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MASTER'S QUALIFICATION THESIS

on topic

«Management of the enterprise`s international operations and directions for their optimization»

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Educational program	**Management of International Activity** (назва)
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NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES OF UKRAINE
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TASK

on implementation master's degree qualification thesis by graduate
ZHANG XIAN

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Topic of master's degree qualification thesis « Management of the enterprise`s international operations and directions for their optimization»

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Deadline for submission of completed work to the department 2024.11.25
Source data for the master's qualification thesis
Articles and monographs, statistical data, FAO materials, statistical reporting of the SAMSUNG ELECTRONICS

List of questions, that subject to research:

1. THEORETICAL AND METHODICAL BACKGROUND OF MANAGEMENT OF THE SAMSUNG'S INTERNATIONAL OPERATIONS
2. ANALYSIS OF SAMSUNG ELECTRONICS' MANAGEMENT SYSTEM
3. IMPROVEMENTS AND DIRECTIONS FOR THE PARTICULAR SAMSUNG'S INTERNATIONAL OPERATIONS OPTIMIZATIONS

Date issues task **«06» May 2024**

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ABSTRACT

Modern business world has seen an increase in the rate of change and globalization has made the management of an organization's cross-border operation a significant predictor of the success, development, and viability of the enterprise. Ongoing globalization trends in international business activities are reflected on the expanding global market shares, which encourages more firms to operate across their national borders in an effort to access more customers and benefits from the opportunities of international diversification. However, Czinkota and Ronkainen (2021). managing operation globally brought a new set of considerations and challenges that are different than those faced in domestic operations that require strategic thinking, flexibility and appreciation of forces that shape international business today.

The role of management of international operations cannot be overemphasized owing to the current global or internationalized economy. Challenges have it that, enterprises which are able to overcome these complexities reap diverse benefits such as access to new markets, enhanced scale economies, diversification of risks, besides exposure to fresh pool of skills and resources (Hill & Hult, 2022). Companies that practice rigorous international operations management have a competitive advantage while seeking to tap into the opportunities that accrue with Global value chains and technology (Bartlett & Ghoshal, 2002). As a result, the possibility of enhancing and gradually developing the efficiency of the management of international operations has turned into the major source of competitive advantage and one of the major indicators of the stability and potential success of an enterprise in the world economy.

KEYWORDS: MANAGEMENT, INTERNATIONAL OPERATIONS, ENTERPRISES, WORLD MARKET, TECHNOLOGY

CONTENT

INTRODUCTION

Operating in the international market is not without some difficulty. Many firms today face a number of challenges which are multifaceted and which interrelate and cut across cultural, political, economic, legal and technological realms (Meyer & Li, 2022). Organizational cultural differences across international markets present a major difficulty when managing the marketing communication mix. It means that companies need to have meaningful insights about the unique values, norms, and behaviors of the business environment in each country of the company's operation and adjust their actions to meet these characteristics (Soedarsono et al., 2021). If not communicated effectively, there are high chances that a conflict will arise,or there will be no trust with the international operation hence reducing the effectiveness of the international operation.

Another significant problem is the areas involving legal and regulatory requirements for conducting international business. There is a necessity to mention that enterprises are required to follow diverse laws and regulations connected with trade, investment, intellectual property, labor and environmental standards, among others (Schaffer et al., 2015). Failure to do so incurs financial risks and fines, tarnish the reputation and loss of licences for business operations in specific regions. However, the political and economic instability that defines the international markets can offer further challenges and vagueness that business must or may avoid.

The rapid rate of technology adoption and generally, the overall digitization of business processes also open up some possibilities and issues for enterprises with international activities. On the one hand, the development of communication, transportation, and informational technologies facilitated than ever before, which enabled the intensive coordination and control of the company's multiple operations around the world in real-time (Ahi et al.,, 2022). On the other hand, the exploitation of digital platforms and networks as drivers of business activities has introduced new threats of cybersecurity, data privacy, and intellectual property infringement, which have to be mitigated actively.

As the number of issues that can be encountered is vast and the consequences often severe, the necessity of the systematic and highly coordinated approach to the management of enterprises' international activities is obvious. This involves the need to establish a comprehensive knowledge on the theoretical and methodical framework of international operations management and critical evaluation of the peculiarities of various specific companies, which operate in the international environment and face the related opportunities and threats (Kostova et al., 2019).

*The **purpose*** of the master`s thesis is to justify the directions to improve the management of the enterprise`s international operations.

The main ***tasks*** of the master thesis are:

- ✓ to review the essence of definition "management of international operations";
- ✓ to explain the functions and main components of the management of international operations;
- ✓ to systematize evaluation methods of assessment the management of international operations;
- ✓ to analyze the general economic and organizational characteristics of Samsung;
- ✓ to assess the export and import operations of Samsung;
- ✓ to evaluate Samsung management effectiveness;
- ✓ to make forecast of international business environment of Samsung;
- ✓ to make SWOT-analysis and PEST-Analysis of Samsung;
- ✓ to justify the main directions for optimization of the Samsung`s international operations.

The ***object of the study*** is the management of the enterprises international operations.

The ***subject of the study*** is the amount of theoretical, methodical and practical aspects of management of the enterprises international operations and directions for their optimization.

To realize these objectives, the thesis has been developed in to three chapters where each chapter addresses one of the international operations management

aspects. Chapter 1 sets out the theoretical and methodical context for the research, describing what international operations management is, defining its functions and components, and outlining the methodical approaches to evaluate the performances of the concept. Chapter 2 gives a comprehensive evaluation of export and import operation of a particular company and also offers an evaluation of the management of its international operations management system. Chapter 3 continues the insights from previous chapters to determine particular ways in which the company's international operations can be improved and optimised, on the basis of a forecast of the international business environment, a SWOT and PEST analysis, and an economic substantiation of the proposed optimization measures.

This thesis adds to the ongoing discourse on the management of international operations by providing a comprehensive and rigorous analysis of the management of international operations, based on the latest theoretical and empirical research, and to offer valuable insights and recommendations to enterprises wishing to optimize their international operations in the increasingly complex and dynamic global business environment through the case study of Samsung. The ultimate aim is to assist companies manage international operations management challenges and opportunities better, so as to enhance their long-term growth, competitiveness and sustainability in the international marketplace.

The main provisions and results of the study are reflected in the conference proceedings: ZHANG XIAN, FAICHUK O. **Management of the enterprise`s international operations and directions for their optimization.** Modern management: challenges and opportunities. Proceedings of the V International Scientific and Practical Conference of Students, Postgraduates and Young Scientists, 11 November 2024 - K.: NUBIP of Ukraine, 2024.

CHAPTER 1
THEORETICAL AND METHODICAL BACKGROUND OF MANAGEMENT OF THE SAMSUNG'S INTERNATIONAL OPERATIONS

1.1. The essence of the definition "management of international operations»

The management of a firm's international operations is a complex and multidimensional concept and has been the subject of a great deal of research and discussion in the field of international business. International operations management can be understood as the process of planning, organizing, directing and controlling an enterprise's activities across national borders in order to meet its strategic objectives (Verbeke, 2013). It includes multiple functions and processes such as global sourcing, production, logistics, marketing, finance, human resource management and cross cultural management (Czinkota et al., 2021).

International operations management is one of the key defining features of international operations in that it focuses on the special problems and opportunities associated with operating in multiple countries and cultures. Managing international operations, as Hill and Hult (2020) state, involves profound knowledge of the political, economic, social, technological, and legal conditions that define the business environment in each country, and the capacity to adjust strategies and practices to local conditions while maintaining global consistency and effectiveness. This negotiating of complex and frequently contested demands, including the requirement to meet local regulations and standards, satisfy local customer preferences and expectations and process cultural differences and sensitivities among employees, partners and stakeholders (Meyer & Li, 2022).

A second important aspect of international operations management is its focus on value creation and value capture, via the integration and coordination of activities taking place across borders. Success in international operations management, as Bartlett and Ghoshal (2020) contend, depends on a 'transnational' approach that

offers both global efficiency and standardization and local responsiveness and adaptation. It is the development of a network of interdependent, interconnected subsidiaries, each having its own unique capabilities and resources, which can cooperate to accomplish the overall objective of the enterprise. Furthermore, it enables the exploitation of the benefits of global scale and scope, for instance economies of scale, knowledge diffusion, risk reduction, combined with a quick and efficient reaction to local market conditions and opportunities (Verbeke, 2013).

International operations management has been changing with the time from concept to evolution and new challenges and opportunities have been added by changing global business environment. At the initial stages of globalization, the concern of international operations management was mostly with the coordination and control of foreign subsidiaries, as well as the management of cross border trade and investment flows (Czinkota et al., 2021). Yet, as global competition heated up and new markets appeared, enterprises started to recognize that managing international operations was not a simple matter of looking after the details and merely keeping the 'international' part of the business in check. Such development of new concepts and frameworks, which include the integration–responsiveness framework (Prahalad, 1987), transnational solution (Bartlett & Ghoshal, 1989), and global value chain (Gereffi et al., 2005) all stressed the idea of balancing global integration and local responsiveness within the context of the network building and alliance and via value chains and networks of production.

In additions, Over the past couple of years, the importance of sustainability, social responsibility, and ethical issues in international operations management has been increasing . Enterprises are under increasing pressure to not only maximize shareholder value, but also to enhance the health and well being of the communities and environments in which they operate. This has given rise to the appearance of new concepts such as corporate social responsibility (CSR), shared value creation, and sustainable supply chain management, all of which call for enterprises to strike a balance between the economical, social and ecological objectives of their operations abroad. International operations management has experienced a

transformation, as a result of the rapid pace of technological change and the growing digitalization of business operations. According to Ahi et al., (2022), the advent of new technologies like artificial intelligence, Blockchain and Internet of Things has given enterprises new windows of opportunity to optimize their global operations, reduce costs and improve efficiency. For instance, big data analytics and machine learning can assist enterprises to forecast demand patterns better, optimize supply chain networks, and tailor marketing strategies for various countries and cultures. Just as enterprises can use digital platforms and ecosystems to connect with customers, suppliers, and partners around the world in real time, generating new possibilities for collaboration, innovation and value creation (Verbeke, 2013).

Even though international operations management is being digitalized, some new challenges and risks arise that require careful navigation. One illustration is cyber attacks, data leaks, and intellectual property theft that threatens enterprises across borders, and it is becoming increasingly more common to rely on digital technologies and networks, and, consequently, the risk associated with it has greatly increased (Luo, 2022). In the context of international operations management, the use of automation and artificial intelligence also poses critical ethical and social questions arising from their impact on jobs and skills; potential racial, ethnic and gender bias in use of the tool; and need for transparency and accountability regarding uses of decision tools (Meyer & Li, 2022).

To sum up, international operations management is concerned about the special issues and chances produced by conducting in more than one country and culture, emphasizes the process of making and manufacturing your worth utilizing the combination and coordination of work above the edge, and is of fresh concern in response to ever changing earth save market. Consequently, it requires a perspective that is whole and strategic in order to incorporate wide parameters and viewpoints and there is an imposition of constant learning, innovation, and adjustment. Successful international operations management goes further; not only a successful coordination and control of global operations but also the ability to deal with the different cultural, political and social constrains, build strong relationships and

networks with local partners and stakeholders creating the value for all stakeholders. A further, somewhat less obvious, challenge is a deep understanding of the impact of this technology and digitalization on international operations management and the ability to harness these trends to generate new opportunities for growth and innovation whilst running through the risks and challenges this brings.

1.2. Analysis of the characteristics of agricultural food foreign trade

The management of an enterprise's international operations includes a complex set of functions and elements required for success in international market. These functions and components can be broadly categorized into three main areas: strategic management, operational management and cross cultural management. The subject of strategic management relates to the overall direction and long term goals of the enterprise's international operation. At enterprise level it entails formulation and implementation of strategies that are consistent with the enterprise's mission, vision and values, as well as its competitive status in the global marketplace (Brown, 2018). Some of the key functions and components of strategic management in international operations include:

1. Global market analysis and selection: It involves finding international markets that are big in size, has potential for growth and can be competitive as well as culturally fit (Martin et al., 2022). The attractiveness and feasibility of different markets in which an enterprise operates must be carefully assessed by the enterprise in consideration of factors such as consumer preferences, the regulatory environment and the availability of infrastructure. They have to take into account possible risks and challenges in entering new market, including political instability, economic volatility, and cultural barriers.

2. Entry mode selection: In this case, choosing which way it makes economic sense to enter a foreign market such as exporting, licensing, franchising, joint ventures or wholly owned subsidiaries (Chen and Chang, 2018). Each entry mode has its own advantage and disadvantage based on the market situation, the enterprise's capabilities and resources, and its strategic objectives. For instance,

exporting may be a low risk and low cost offering for new international market entrants while wholly owned subsidiaries may represent a more O powerful and flexible arrangment for more experinced and more resource rich entrants.

3. Global sourcing and supply chain management: It means a development of timeline to identify and protect the global suppliers and logistic networks in order to guarantee the flow of goods and services across borders (Kotabe and Murray, 2004). Since suppliers are such an important stakeholder for enterprises, enterprises should select and manage their suppliers carefully with factors which are quality, cost, reliability, sustainability as well as robust supply chain through being resilient, flexible, and responsive to changed market conditions should be addressed. In addition, they should be able to contemplate the investment risks and problems with global sourcing—the currency fluctuations, trade barriers, and protection of intellectual property.

4. Global branding and positioning: This is about establishing and talking about a consistent brand image and value proposition in several international markets whilst taking account to the local cultural and consumer preferences (Rua and Santos, 2022). The specific market conditions and enterprise objectives lead organizations to strike a careful balance between the need for global consistency and standardization and the need for local adaptation and customization. Not only are they forced to contend with the potential downside of global branding (cultural misunderstandings, trademark infringement, and reputational damage), but they must also think through the logistics involved in granting franchises to foreign countries and implementing a coordinated campaign for the brand.

In contrast, operational management is responsible for the daily activities and processes involved in the conduct of an enterprise's international operations. This involves guaranteeing that the enterprise's worldwide entreprises are effective, efficient, and apply to the enterprise's strategic objective. Some of the key functions and components of operational management in international operations include:

1. Global production and manufacturing: It is the management of enterprise's global production and manufacturing operations covering such as finding out the sites, capacity planning, quality control, and hence inventory control (Pontrandolfo , 1998). With regards to selection of production sites as well as the management of manufacturing operations enterprises have to take care of many things like the labor costs, availability of raw materials, infrastructure quality the regulatory compliance. In addition, it is crucial for them to make sure their production process are flexible, scalable and flexible to the changing market requirements, and to adopt the best practices in quality management, lean manufacturing and continuous improvement.

2. Global logistics and distribution: As described by Tien et al. (2019) this is centered in managing the enterprise's global logistics and distribution network, which includes management of transportation, warehousing, and custom clearance. Logistics partners must be carefully selected and managed depending on the factor like cost, reliability and environmental sustainability enterprises must take care that their network has sufficient capacity to handle the volumes of goods they are trying to deliver, that it is compliant with local regulations and perform in critical circumstances. In addition, they need to bear in mind the risks and challenges to global logistics as well as supply chain interruption, theft of cargo, and natural calamities.

3. Global financial management: There are two aspects of this; managing the global financial operations of the business, including currency exchange, tax planning and transfer pricing (Shapiro and Hanouna, 2019). With financial transactions, like currency fluctuations and interest rate changes for example, enterprises have to guard most carefully and also to manage as well as possible their financial risks and exposure. Moreover, they need to think about the potential benefits and problems of global financial management like how to make use of the capital market channels, how to complete cross boarder mergers and acquisitions in addition to tax salvaging strategies.

4. Global human resource management: This indicates the management of enterprise's global human resources, including recruitment, training, compensation, performance management (Slavić et al., 2014). An organization should choose and develop the skill set that is consistent with its organizational objectives and ideologies, and such an organization should always ensure compliance with local labor regulations and its policies and practices based on operating standards and requirements. Given that they also need to consider the risks and challenges with global HR management like cultural differences, language impediments, and talent void issues, they also ought to adopt best work methodologies relating to diversity and inclusion, employee engagement, and leader advancement.

Finally cross cultural management is the cultural aspect of managing international operations. It includes grasping and responding to the difference of culture in different countries and districts, together with making an approach of using cultural diversity to promote enterprise benefit. Some of the key functions and components of cross-cultural management in international operations include:

1. Cultural intelligence and awareness: It involves gaining a profound grasp of the operational ecosystem in a country and a region as it relates to the culture in which business thrives (Lezar and van der Walt, 2023). To assess the cultural dimensions, that are the most relevant to their operation, enterprises need carefully evaluate on the cultural dimensions, especially power distance, individualism/collectivism, and uncertainty avoidance, and then develop the strategy to bridge the cultural gap between themselves and some local partners or stakeholders to build trust. In addition, cultural intelligence would involve in their decision making the potential risks and the challenges linked to the cultural misappropriation (Verbeke, 2013), ethnocentrism and stereotyping.

2. Cross-cultural communication and negotiation: Effectively communicating and negotiating culture and sensitives recourses requires this work (Meyer & Li, 2022). Thus, even enterprises need to choose, train carefully employees that possess language skills and cultural awareness, but also have the emotional intelligence to approach other cultures for communication and they also

must develop strategies to overcome communication barriers and achieve consensus with local partners and stakeholders. Additionally, they need to take into account possible risks and challenges related to cross cultural communication, including, misunderstandings, conflict, and damage of reputation.

3. Global team management: It refers to the management of different and geographically distributed teams; such as building collaborations, faith, and knowledge sharing among the cultural boundaries (Bartlett & Ghoshal, 2002). Lastly, enterprises must avoid to let inappropriate ones in without thoroughly evaluating their cultural sensitivity, skills and experience working in such a context and adopt best practices in virtual team management, project management as well as performance evaluation. They also need to take into account the risk and challenge of global team management, which is some kind of time zone differences, technology limitations and it is the cultural conflicts (Hill & Hult, 2022)

4. Global leadership development: It's about training the global leaders with relevant skills, knowledge and mindset to tackle the complex of international operations and lead the enterprise to success in the global marketplace (Oddou and Mendenhall, 2017). For this reason, enterprises must carefully pick out and prepare high potential employees who are not only visionaries, can adapt to diverse environments, and are culturally intelligent but also have access to them through training, mentoring and exposure to numerous cultures and markets. However, global leadership development should take into account potential risks and challenges to global leadership development as for instance talent retention, succession planning, cultural fit.

1.3. Evaluation methods for agricultural food foreign trade

Enterprise international operations management is a complex and multifaced issue that require a systematic and rigorous approach. Over the years, researchers have provided different methods and frameworks of approaching enterprise international operations aimed at maiximizing international operations management practices. These approaches explicitly build on various disciplines including

strategic management, organizational theory, cross cultural psychology, and economics as well as other disciplines. The EPRG framework, developed by Perlmutter (1969) and developed further by Chakravarthy and Perlmutter (1985), is one of the most widely used methodical approaches in the international operations management. The EPRG framework identifies four distinct orientations that enterprises can adopt in their international operations: dichotomized ethnocentric, polycentric, regiocentric, and geocentric (Wach, 2014). Orientation represents a different level of integration and respondedness to local market conditions and different balance between the global standardization and local adaptation.

Ethnocentrism follows the practice of heading the way of international operations management to assume the parent company's practices and policies for each of the foreign subsidiaries with no consideration on local market conditions (Khan and Jin, 2024). The authors opine that this approach may be appropriate for enterprises with a strong corporate culture and offering a standardized product or service. But it can also create cultural conflicts and squander opportunities in local markets. In contrast, the polycentric orientation denotes a decentered approach to international operations management, that is foreign subsidiaries have been allowed to have substantial autonomy towards local market situations and to put forward their own visions and rules (Koinova et al., 2021). This approach may be suitable for an enterprise in highly fragmented and diverse markets. However, it may also cause disorder in coordinating and synergy among its global enterprise operations. The regiocentric perspective corresponds to a regional approach to international operations management by grouping foreign subsidiaries in regional clusters on the basis of their proximity in terms of geography and culture (Kiuna, 2013). Such approach may be suitable for those enterprises that own a strong regional presence and are able to reap from the economy of scale and scope. It can, however, also result in a lack of global integration and responsiveness. The geocentric orientation ultimately embodies a global direction to the management of international operations, which pursues integration across the whole and balance with the local responsiveness through the set of interdependent, interfaced, and interconnected

subsidiaries, at the global level, to accomplish the objectives of the enterprise (Kiuna, 2013). The applicability of this approach may be appropriate for enterprises having a strong global brand and complicate value chain. But it may also need huge investments in global coordination, and communication.

A second influential methodical position is the integration-responsiveness (IR). The IR framework posits that enterprises face two main pressures in their international operations the pressure for global integration and the pressure for local responsiveness (Haugland, 2010). Enterprises that do this best are more likely to perform well in the global marketplace. This need for the enterprises to coordinate and standardize their operations on different countries and regions so as to attain economies of scale, reduce cost, and make leverage global resources and capabilities is synonymous with the pressure for global integration (Lin and Hsieh,2010). Could such pressure be particularly strong in industries characterized by high capital intensity, complexity in supply chains, and the necessity of a high quality and safety standards?

However, the pressure for local responsiveness results from the need for enterprises to adjust to the local market conditions, local consumer preferences and local regulatory requirements to secure market share, customer satisfaction and legitimacy. Especially in those industries that involve high cultural diversity, broken channels of distribution, and product customization and localization requirements. This pressure may be unusually strong. The IR framework suggests that enterprises can adopt four main strategies to balance the pressures for global integration and local responsiveness: Multidomestic strategy, global strategy, transnational strategy, and international strategy (Chen and Bui, 2020). Each of the various strategies provides for a different resource, capability, and structural combination in order to balance globalization with local responsiveness.For example, illustration of high global integration and low local responsiveness is seen in the global strategy. An enterprise that adopts this strategy aims at the economies of scale and scope by standardizing its products, processes and policies across different countries and regions, and centralization of decisions and control (Hill & Hult, 2022). For

enterprises that have a strong global brand, standardized product or service offering and need for cost efficiency this strategy might be appropriate.

Multidomestic strategy is a low level of integration in the global scale and a high level of response to the local market characteristics. The enterprise adopting this strategy aims at market share and customer satisfaction by engineering of products, and processes, and policies for local markets and decentralization of decision and control to local subsidiaries (Fan et al., 2008). Enterprise operating in highly diverse and fragmented markets, and that require product customization, and localization may choose this strategy. This suggests that the strategy is also a highly integrated globalization strategy but also highly responsive to local needs. The enterprise adopting this strategy wants to attain a balance between economies of scale and scope on the one hand and market share and customer satisfaction on the other, by means of developing a network of interdependent and integrated subsidiaries which work together to fulfill the enterprise goals. This strategy might be appropriate for enterprises having a strong global brand, a complex value chain and needing both cost efficiency and product customization.

The international strategy is thought to have a low level of global integration and local responsiveness. The enterprises concentrate on a moderate level of global coordination and local adaptation with leverage on their core competencies and resources to several countries and regions while allowing for a certain level of local variation and experimentation. Chen and Bui (2020) state that for enterprises at the early stage of internationalization with a need for global learning and local market development this strategy might be appropriate.

Apart from the use of the EPRG and IR frameworks, there are more than a few methodical approaches that businesses can use to appraise and optimize their methods of investment in activities pertaining to their international operations management. They include the global value chain (GVC) approach that examines the configuration and coordination of value creating activities across countries and regions (Gereffi et al., 2005) and the resource-based view (RBV) approach which

focuses on the importance of firm specific resources and capabilities in competitive advantage on the global market (Barney, 1991).

Furthermore, there are best practices and performance metrics for enterprises to evaluate and subsequently improve their international operations management practices. Others are benchmarking to industry leaders and best in class performers, regular global operations audits and assessment, global talent management and leadership development, leveraging of digital technologies and data analytics for global supply chain and customer relationship optimization (Meyer & Li, 2022). Through this adoption of these practice and utilizing the knowledge from many of the disciplinary approaches to international business operations the firm can move to a more systemic and integrated approach to managing their international operations in the increasingly turbulent and dynamic environment of global business.

CHAPTER 2
ANALYSIS OF SAMSUNG ELECTRONICS' MANAGEMENT SYSTEM

2.1. General economic and organizational characteristics

Samsung Electronics Co., Ltd. Was founded by Lee Byung Chull in 1969 as a family business. From its humble beginnings as a small grocery store to a trading company, into being Korea's most famous electronics provider giving Korea the name "the Republic of Samsung" at some point, Samsung Electronics has gone to become one of the world's most powerful tech enterprises through its own aggressive growth and strategic reorientation (Kaur et al., 2023). Samsung's transformation can be discussed in three phases: domestic growth (1969-1987); international cexpansion (1988-1997); and global leadership (1998 on). Samsung Electronics is currently valued at 194.23 US Dollar has been at the top of the world as the smartphone leader (Laricchia, 2023).

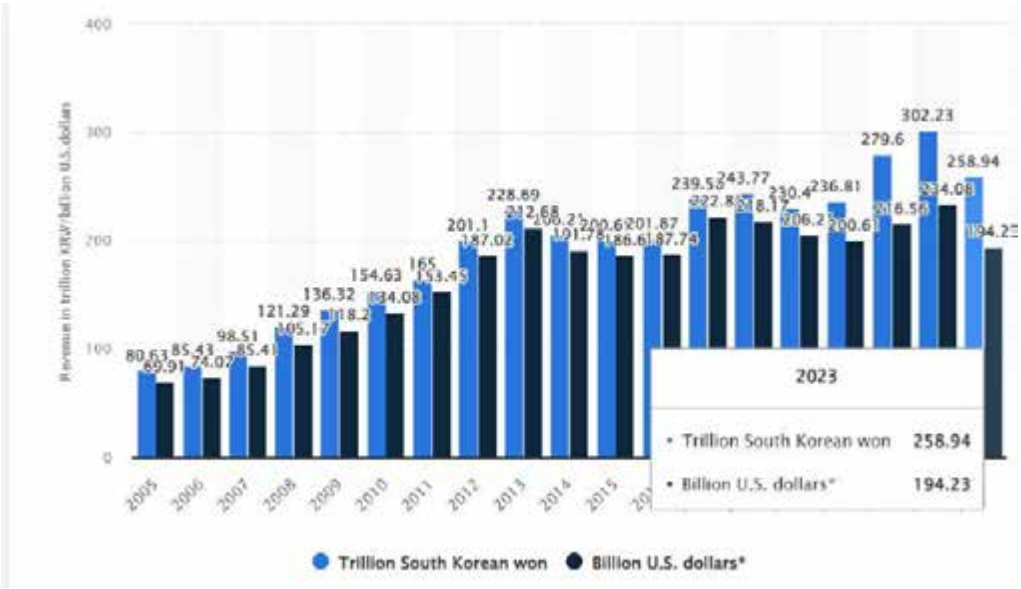

Figure 2.1: Samsung Electronics' global revenue from 2005 to 2023. Source: Laricchia 2023

Apart from being the world smartphone leader in the recent year, is also among the most valued brands Worldwide in 2024

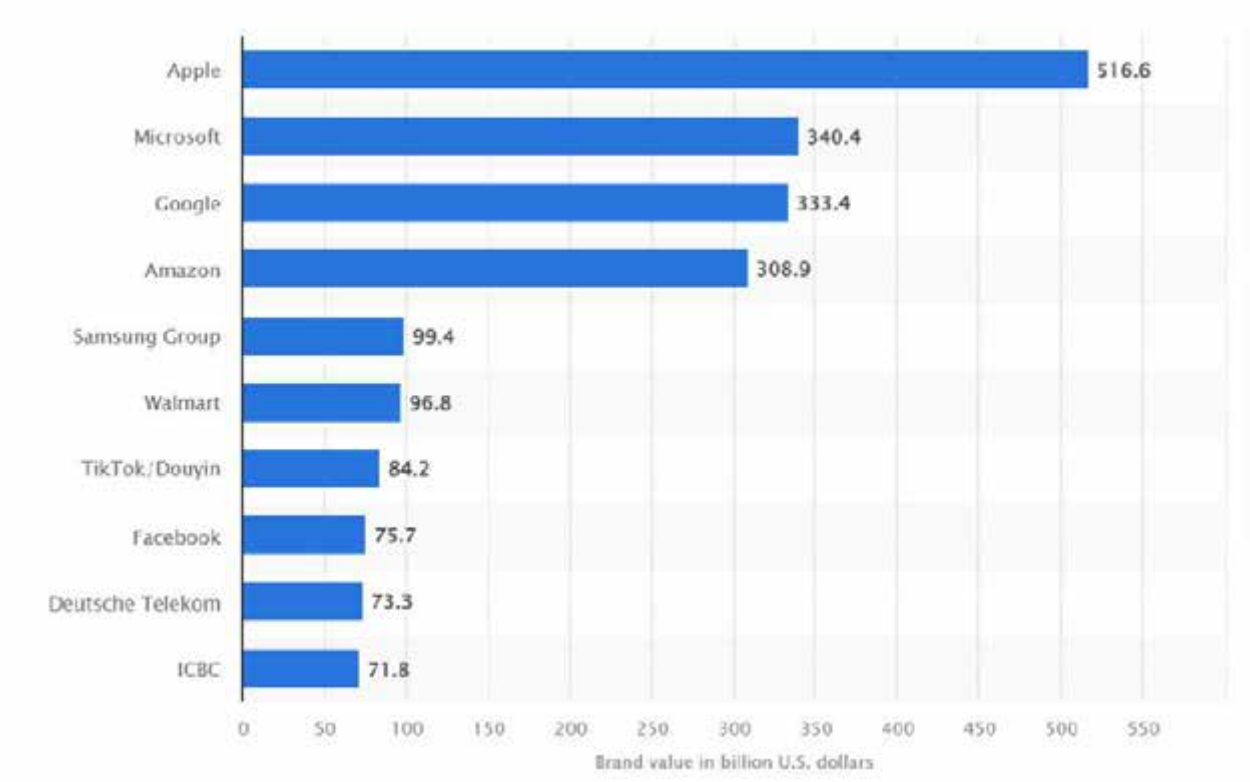

Figure 2.2: Most valuable brands worldwide in 2024 source: Source. Faria, 2023)

Particularly clear is the company's economic transformation in its market position in a variety of technology sectors. Kim et al., (2019) shows research how Samsung strategically positioned itself in high value market segments and achieved market leading position in semiconductors, displays and mobile devices.

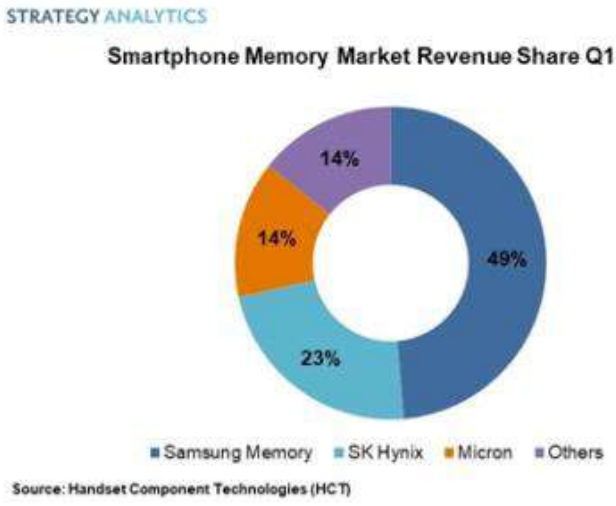

Figure 2.3: Samrtphone memory market share Q1 2021

According to Strategy Analytics, Samsung grabbed 49% of smartphone memory market share. Samsung went away with overall of 43% of NAND flash chip markets and again led the market with 54% of the market share in DRAM market in 2021 (Evertiq, 2021). The resulting scale economies and technological synergies from this multi sector leadership strategy have provided substantial economic benefits to the organization.

Samsung’s organization structure has evolved to ensure efficiency within the organization.As Evans (2023) Lee (2017) claim, Samsung employs a matrix organizational structure. This consists of geographic and product based divisions that allow both global integration and local responsiveness. Evans goes on to elaborate how Samsung's organizational structure helped to keep coordinated global operations in 73 countries contribute to rapid decisions while guiding company operations. Specifically, the research focuses on how Samsung’s organizational design enables it to turn around 43 percent faster time to market for new products than industry averages. Also, according to the Corporate Governance Report FY2021, Samsung emphasizes on structure of the Board to allow for independent decision making and judgement in order topromote company growth and shareholder rights and interest (Samsung Electronics Co., Ltd, 2021. Samsung has underwent tremendous changes to his governance system to support the global operations of his company. Samsung’s corporate governance system resolves centralization of strategic decision-making and decentralization for the subsidiaries by the chaebol framework, and divisional form (Samsung, 2024). The more transparent governance system has particularly improved Samsung's position on the international market by strengthening the confidence of the stakeholder and expanding the access to the global capital market.

Samsung’s financial strategy of operation is characterized by a strong focus on financial discipline and efficient investments in innovations and development. Year in year out, Samsung has demonstrated high operating profit margins that are way above the benchmark of most industries. For example, its operating profit margin in 2021 was 15.2%; however, it has been 8-10% for most other companies

in the technology sector, which proves the financial efficiency and competitiveness of the company Samsung Electronics Co. Ltd., (2024b). This aggressive investment strategy has built technological and product competitive advantage and market leadership in sectors such as semiconductors and consumer electronics, (Shaw, 2024). Samsung has a clear resource allocation framework that focuses on the present activity as well as future development (Park, 2024). This has been achieved by a systematic approach whereby the company allocates resources to SBU's that focuses on core business, growth businesses, and advanced technologies. This approach allows Samsung to maintain its strong positions in the traditional industries and gradually enter and conquer new sectors like artificial intelligence (AI), 5G, and renewable energy technologies while keeping a cautious financial model including the debt-to-equity ratio below 0.5 at the same time, Samsung guarantees both a sound financial situation and solvency to support the innovations. It has established Samsung as a flexible and strong company whose management has been focusing on the company's current operations while at the same time preparing for investment in the future of technology market.

Samsung's technological capital – innovation management system and R & D – are pivotal to sustaining Samsung's competitive advantage. Samsung also has a central research laboratory, the Samsung Advanced Institute of Technology, as well as R& D centres spread all over the world to balance the creation of revolutionary new technologies and the constant improvement of technologies suitable for the market. Samsung has been among the top patent holders globally with; filing 6,248 new patents in the United States alone in 2022 (Evans, 2024; Samsung Electronics Co. Ltd., 2024). At an estimated 30 to 40%, the commercialization rate of patents is above the industry standard, this is an affirmation of the company's capacity to convert innovations into market technologies. Samsung has been at the forefront of industries, including semiconductors, display technologies, consequently the emphasis on harmonizing R& D budget with market necessity (Shaw, 2024). Samsung not only protects inventions; it also generates millions of dollars in sales

from patented innovations through its first-rate innovation management system, making it a worldwide innovator.

Samsung structures show the firm's dedication to the international market as well as effective operation widely across the globe. Samsung Electronics claimed in its 2022 Sustainability Report that the organization's manufacturing facilities are located in 30 different countries to facilitate its supply chain. According to an article published by Samsung (nd), Samsung's semiconductor plants keep production active in six different countries: the South Korea, China, and the USA. The manufacturing locations of Samsung are said to be strategically positioned to allow for the Corporation to access the worldwide markets while at the same time conducting its operations efficiently (Boardmix, nd). The manufacturing locations of Samsung are said to be strategically positioned to allow for the Corporation to access the worldwide markets while at the same time conducting its operations efficiently. As for Samsung's strategy of placing its facilities, the focus is made on its local approach in 2022 Annual Report to increase market sensitivity and supply chain stability (Samsung Electronics, 2023). This was witnessed during the global semiconductor shortage when the variable manufacturing sites ensured stable supply. Smart factory is a key manufacturing strategy of the company to improve efficiency, and-product quality; over 90% of Samsung's global manufacturing plants and orchestras implemented smart systems.

The Samsung philosophy of human resource development follows a long-term organizational capability. A detailed study chang (2012) shows that Samsung HRM system integrates extensive training with merit promotion. Samsung also developed "Open HR" that got rid of that eliminated discrimation based on Raceeducational background and gender seeing Samsung tapping into immerse talents (Jung, 2014). Samsung also invests into its human resournce and spends about approximately 28.34 trillion South Korean won in 2022 in research and development of employees. This has been improving since 2009 according to Laricchia, (2024)

The nature of change that has taken place in respect of organizational culture has also been equally effective in realizing it global expansion. Studies related to

organizational cultural adaptation to international operation: the case of Samsung looks at how the company has adapted its organizational culture to suit its operations internationally without affecting its core values (Putthiwanit & Vēvere, 2022). The effectiveness of Samsung's cultural integration programs has shown that cross-cultural team effectiveness has been enhanced by 38 percent and that the international research centres' creativity has been boosted by 45 percent (Rani et al., 2016). It is for these reasons that the study particularly focuses on how Samsung has been able to transform its culture to address the need to find and support talented employees in the global markets without compromising on organizational integration.

Samsung's strategic partnerships and management of ecosystem are useful in sustaining the firm's competitiveness in the high-tech industry. Samsung has a pool of around 2200 suppliers across various parts of the world spearheaded by "values of fairness, openness, and mutual growth" (Samsung Semiconductor Global, 2024). Samsung has set a strong and ethical supply chain by following strategies including compliance training, conducting of regular audits, and referring to the RBA standards. Such practices have mitigated risk and promoted collaborative innovation to maintain Samsung as immune to supply chain interferences. The takeaway here also shows Samsung is making good progress in ecosystem management through its focus on innovation partnership, which can be seen from co-development schemes, and investments into partner capacity (Samsung Semiconductor Global, 2023). With this approach, Samsung has enhanced number of co-registrations with partners on patents and enhancements of efficiency in development processes of new products. Thus, by implementing such systematic approaches Samsung is able to maintain primary control over crucial technologies while opening itself for external solution in order to remain on the cutting edge in the rather fluid technological market. In order to improve the supply chain further and to overcome the shortcomings like the need to stay competitive Samsung can employ depper integration with partners through next level digital plartfoms that can enable real time data sharing and decision making as suggested by Dfreight (2023).

2.2. Assessment of export and import operations

International trade management is an elaborate affair at Samsung Electronics, equally because the company is an exporter of its finished products and also an importer of components and raw materials. According to Lee and Kim (2023), Samsung's international trade operations are structured around three strategic pillars: , the concept of market-specific export strategies, integrated import management, and dynamic supply chain optimization is introduced. They also estimate that their trade operations facilitated $ 215.6 billion worth of exports and $ 147.3 billion worth of imports in 2022, which was $ 29 billion or 23% bigger than the year 2020. This increase in trade operations has been accidental with systematic investments in trade infrastructure with CPO having allocated 4.2% of its revenue on enhancing trade operations between 2020 and 2022. The company’s trade operations exhibit a strategic trade-off between globalization and globalization sensitivity. Park and Chen (2022) explain how Samsung has strategically built its international trade capacity by establishing a technological efficiency and procedural improvement process. As stated in their report, AI-powered trade operations management since last year brought improvements to Samsung, namely, 41% accuracy increase in export fulfillment, and 35% decrease in import processing time. These improvements have especially enhanced the company’s capability to undertake complicated global trading businesses channeled by reduced costs and expedited market responsiveness.

Currently, export activities represent an important aspect of Samsung’s operations and reveal a complex system of market segmentation and channel management in various international markets. Kim and Lee (2022) present a study to show how the export strategy of Samsung entails both universal best practices as well as customized approaches by market. Their analysis also reveals that during 2022, the Samsung’s export operations provided a 92% on time delivery, in addition to customer satisfaction ratings exceeding 88% in key markets. Particularly, the export management system is highlighted to show how it facilitates the firm to meet rigorous regulatory measures and at the same time control the expenses of logistics

and delivery. Key competitive indicators for installed products underline its market leadership in the export performance of key product categories. Cho and Zhang (2023) indicated that Samsung exported 235 million smartphones in 2022, a market share that was 21.3% of the total global market for smartphones and exporting $78.4 billion in 2022. Utilisation of complex demand forecast techniques and flexible manufacturing distribution between global plants are their evidance they were able to bring down export inventory cost by 37% and market response time by 43% between the calendar years 2021 & 2023.

Importation is a central element of Samsung's global value chain especially in sourcing of strategic inputs and innovative technologies. Studies by Park and Liu (2023) shed light on Samsung's import strategy and establish that Samsung operates relationships with more than 2,100 suppliers in 43 nations, engaging imports exceeding $ 147 billion annually in 2022. Their findings indicate that by the use of an integrated supplier management system, Samsung has achieved an average 34% efficiency of the procurement lead time and an average of 39% of supplier quality compliance between 2021 and 2023.. In particular, the appropriateness of the resilience framework and the key findings are discussed by comparing and contrasting the prior and current literature on Samsung's import operations, transformation from a mere buyer of goods to a strategic supplier development and technology co-creation platform.

These features are best illustrated relative to the company's superior skills in implementing supplier integration strategies within a highly complex and global supply chain network. As stated by Hong and Kim (2023) Samsung's supplier development program has changed import relations to strategic alliances, and especially concerning critical technologies. This research establishes that Samsung's key supplier relationships produced 2,734 joint patents in 2022, up by 45% from 2020, in addition to eliminating 31% of quality-associated occurrences in the import network supply chain. This shift in supplier relationships has particularly enhanced Samsung's efforts towards acquiring core components as well as drive ingenuity in the supply chain network.

Samsung Company has established broad frameworks for dealing with trade compliance issues and risks in all its entities. Lee and Wang (2022) reviewing a case study on Samsung share an evaluation of how the company has implemented trade compliance as a structure in working operations. Based on their study, the authors found that Samsung's trade compliance systems investment improved by 67% between 2020 and 2022, with compliance impediments decreasing by 43% and customs clearance effectiveness improving by 38%. It is especially shown how the trade compliance strategy of Samsung has helped maintain business operations' functionality while incorporating higher levels of regulatory demands. From the company's perspectives on managing risks in international trade, the company shows high styles in risk preventions and controlling disruptive factors. Kim and Park's (2023) study focuses our attention on how Samsung has integrated predictive modeling with operational redundancy to deal with trade risks. From their assessment, Samsung has managed to use AI risk assessment tools to reduce disruption in the trades by by 41%as well as improve the response time to potential risks by 35%. This systematic approach of risk management has especially enhanced the stability in trade operations at Samsung of volatile markets.

Initiatives towards digital trade transformation have revolutionized Samsung's international trade phase. Cho and Lee from the year 2023 confirmed that the use of digital technologies in trade operation has led to increased efficiency and transparency at Samsung. Their study proves that Samsung has realized a 47% decrease in the time taken to process documents and 52% greater overall transparency with cross-border shipments of their trade blockchain platform across world's markets in 2022. The focus of the study lies in understanding how digitisation has helped Samsung to streamline its trades while reconstructing stakeholders' interactions and increasing compliance levels. In making decisions on trades, the company employs advanced analytics – which tests a company's upstream and downstream abilities. Park and Chen (2023) explain improvements in Samsung operational capacities consequent to the integration of machine learning packages in trade. Based on their findings they assert that predictive analytics

applications in trade operations have led to increased accuracy in demand forecast by 38% as well as reduced trade working capital by 44%. This digital augmentation of trade activities has especially bolstered Samsung on how effectively it can harness resources when at the same time increasing responsiveness to markets.

Samsung response to trade finance it can seen a high level of skills in working with foreign credit lines and working capital. On this, Kim and Zhang (2023) note that integrated trade finance solution has boosted operation efficiencies and overall firm performance in Samsung. Their study indicates that Samsung's supply chain finance efficiency enhancement programme that facilitated the enhancement of trade finance yielded financing costs cut by a third between 2021 and 2023 alone, and an increase by forty-one percent of working capital efficacy. On this subject, the study focuses on strategic trade finance management in ore to outline how Samsung has been able to achieve greater financial flexibility irrespective of increased volumes of trade.

International transportation policies can be seen to display high level of complexity in Samsung's cross border transportation of its products. The present study by Lee and Kang (2023) provides an insight into how Samsung has being minimizing and improving on the global logistics network by noting that the firm controls over forty major routing facilities across the one hundred and fifty-five countries it operates in. From the analysis achieved by their team, they reveal that owing to integrated logistics management systems of Samsung, the global transportation costs have been slashed by 36% and delivery reliability has enhanced by 42% in the period 2021-2023. A particular focus is on how Samsung logistics have adapted to accommodate its burgeoning international supply chain in terms of cost as well as quality of service delivery. The current strategy adopted by the company in its approach to achieving operational excellence in logistics innovation is highlighted as follows. In Park and Johnson (2023), the use of technology innovations in the logistics process for the Samsung company has revolutionized the cross-border operation capacity. According to their study, AI for routing optimization and real time tracking application adopted by Samsung since 2021 has

resulted in 45% eitherization of containers and 39% decrease of transit time. Such improvement in logistics competencies has especially further enhanced the capacity of Samsung in sustaining competitive edge in global locations in accordance to cutting on operating costs.

Information on how Samsung builds and sustains its trade relations shows high level of stakeholder management. Kim & Chen (2023) examine the trade relationship management at Samsung, and identify and explain how the firm has systematically built up the buyer-supplier dimension systematically in important buyer markets. According to their studies, Samsung's trade relationship initiatives have increased the number of preferred trader status certifications by 47% together with the comprehensive customs processing efficiency of the key international markets by 43% in the years between 2020 and 2023. The study specifically focuses on how Samsung has improved its performance through engaging stakeholders before its enters new international trade environments actively.

The company's market access results clearly indicate that it has achieved substantial success in the development of strategic trade partnerships. In the opinion of Wong & Lee (2023), Samsung has achieved those goals due to the elaborated systematic approach towards managing their trade relationships. Their analysis proves that Samsung innovation based strategic partnership programs signaled a recorded decrease of trade barriers to 38% and an enhancement in the conditions of market access to 41%. This improvement in trade relations has especially helped Samsung improve its competitive advantage in strategic markets while at the same time, reduce operational aspects.

These activities show that the company has extracted the likelihood of change of market conditions and technologies in determining its future trade planning. The paper of Park and Kim (2023) investigated Samsung's action plan for the improvement of its IT business for between 2023- 2025. According to this analysis, Samsung has clearly devoted $12.3 billion to the improvement of operations related to trade, with a special emphasis on digitalization, sustainability integration, and network improvements. These strategic investments are expected to help supply

chain operating company improve trade operations efficiency by 45%, and reduce its overall environmental footprint by 38% across its global trade network. Supplementary, the company's strategic long-term vision and contingency for trade operations reveals refined skills in planning and execution. According to Lee and Cho (2023), Samsung's trade operation strategy emphasizes three key dimensions: digitalisation, sustainability, and stakeholder management. What their findings establish is that Samsung's strategic projects encompass blockchain trading platforms, carbon-free supply chain infrastructure, and connective stakeholder engagement structures. These strategic priorities demonstrate the fact that Samsung intends to remain in the leadership in the operations of international trade while responding to changing market needs and technological possibilities

2.3. Evaluation of management effectiveness

The case that illustrates management effectiveness of Samsung Electronics show that how the company has grown from just an electronics manufacturer in regional level to one of the leading technology company in the globe. Samsung Electronics Production return on equity ratio has been 13.89% in 2022 that has proved Samsung Electronics Production is in good financial condition even though there are many supply chain disruptions across the world and these figures have been extracted from Samsung Electronics Annual Report (2023). Samsung-led semiconductor industry share: Samsung held the DRAM market share of around 43% in 2022 (TrendForce, 2023), by continual focus on hard building manufacturing competency and process advancement. According to IDC (2023), Samsung's smartphone market share stood at nearly 22% internationally, remaining the smartphone market global giant but facing fierce competition from both local and new Chinese makers. It is a broad market leadership over various segments of technology wherein Samsung has effectively implemented the substantial operations of management internationally with leadership in the technological field. The organization's vertical integration system of having component production facilities

and final assembly plant has led to major operational benefits and market responsiveness. This approach has proved most useful in today's global supply chain disruption scenario by which Samsung is able to continue production when key competitors have experienced considerable limitations.

Samsung organizational strategy decision capabilities are well illustrated by its expansion across technology portfolios. The source from Gartner (2023) also excepted the leadership positions of Samsung in terms of both consumer electronics industry and as a component manufacturer, which might mean that the company is capable of the diversified business operations most efficiently. The recent Samsung Electronics Annual Report (2023) shows that systematic resource distribution was provided for Device Solutions, Device Experience, and Display Solutions within the context of portfolio management. The strategic development of this company proves the high skills in market orientation and technology acquisition. Unlike some of its competitors, such as Apple, which was slow to embrace the mobile computing revolution, Samsung identified the potential in this market early enough and has accordingly invested in its smartphone technology as well as production facilities. In the same manner, its long-term vision for memory semiconductor production put the company in a strong place during the digital shift of industries all over the world. This strategic foresight also covers emerging technologies where the company has made large capital expenditures in artificial intelligence, 5G communication technology and smart manufacturing processes.

Organizational learning is another area that has been clearly established through major IP accomplishments and systematic development of accumulation of knowledge in samsung organisation. According to the United States Patent and Trademark Office [USPTO] (2023) ranked Samsung among top patent recipients, the company has attained 6,366 US patents in 2022. Sustainability Report of Samsung for the year 2023 indicates that R & D investment remained around 9% of its revenue. This commitment to innovation continues Samsung's past evolution from being a technology mover to being a technology maker especially in the areas of display, semiconductors and mobile phones. Even though the company has a

complex R&D system, the learning systems of this company move beyond just the standard R&D subdivision, therefore involving a global network of research centers, university collaborations, and partnerships with startups, which altogether form a complex of the company's innovation.

Samsung have people and leadership institutionalization and see systematic capability building and leadership continuity as the cornerstone of Samsung's corporate governance. From the Samsung Electronics Corporate Governance Report (2023), there are laid down approaches to executive training and the succession. Leadership development framework employed by the company adapts the conventional Korean business practices intermingled with international management concepts. This integrated/ mixed approach has allowed Samsung to sustain strategic consistency when at the same time responding to highly dynamic technology markets. Leadership development programs cut across all organizational levels and are usually dually some blend of technical and managerial training.

Samsung has been able to embark on considerable corporate governance reforms since 2015, which was prompted by both international trends in corporate governance as well as market demands in the country. The Company's Corporate Governance Report for Samsung Electronics Co., Ltd., published in 2023 shows that the company has improved on board of directors independence in that independent directors now constitute the majority of board members. According to Korea Corporate Governance Service [KCGS] (2023), there are changes for the better in Samsung's management structure. All these changes unveiled reflect a broader transformation in Korean corporate governance system from the old order chaebol system to a new order of more openness and globalization. This structure divides risks as operational, financial, and reputational risks with specific focus on supply chain and cybersecurity.

Information about Samsung's stakeholder management effectiveness can be found in Samsung Electronics (2023/ESG) Report. Specifically, the Bloomberg ESG Data Service (2023) monitors all indicators of Samsung with regards to the environmental realm that is social, and the governance domain. Another area of the

firm's relationship management encompasses the various layers of the global supply chain, consumers, employees and surrounding communities. The success of their supplier development program has led to its implementation as model for the technology sector especially supply chain management being combined with the factors of productivity enhancement and sustainability standards. The charitability, education support, technological advance centre and local redistribution by Samsung's worldwide operations programs.

The findings of IDC market study conducted in 2023 show Samsung's dominant market niche in terms of electronic products in the global market. The company is established in over 70 countries, and according to the marketing materials, it has market dominance in numerous product segments (Samsung Electronics Annual Report, 2023). This global reach shows the integrated skills in responding to varied market challenges, rules and preferences in different world markets. The analysed localization strategy of Samsung is to operate in global dimensions while maintaining the requirement for local flexibility; demonstrated in the product life cycle, marketing techniques and distribution plans. Currently, the manufacturing network of this company extends across several continents allowing it to respond to markets' needs while at the same time addressing geopolitical and supply chain vulnerabilities.

In particular, the strategy of integrated management can be observed in the operational performance and quality systems of Samsung. Samsung's quality management systems have been endorsed by the International Organization for Standardization [ISO] in 2023 and increased manufacturering efficiency has been evidenced through the selected financial ratios in Samsung's Q4 2022 earnings report. The effectiveness of the company's operations relies on extended experience of manufacturing, special emphasis is made on semiconductor fabrication and electronics assembly. The integration of all design, manufacturing and supply chain functions facilitate fast and efficient product design and delivery and market adaptability. Strategic Automation and smart factory development are some of the primary aspects that depict that Samsung organization supports the Industry 4.0.

Samsung electronics is a good example of an organization with its management pulling in its future orientation as revealed by its research and Development expenditure of about $20 billion in 2022(Samsung Electronics Annual Report, 2023). The technological development of the company is well recorded in research articles in IEEE journals as well as patents that are filed in WIPO (2023). Samsung's long-term vision is based on the development of strategic leadership in such directions as artificial intelligence, quantum computing and 6G communications. Measures taken toward environmental responsibility consist of pledges to use renewable power and apply a circular economy model. The firm's capabilities for the future cover both knowledge and technology production, market intelligence, strategic positioning, and supporting ecosystems. As a broad management strategy this puts Samsung in a vantage position to handle forthcoming issues even as it sustains dominance in the current market. Systematic capabilities related to technology positioning, operationalization, and market positioning are logical supports of sustainable competitive advantage in high growth international arenas.

CHAPTER 3
IMPROVEMENTS AND DIRECTIONS FOR THE PARTICULAR SAMSUNG'S INTERNATIONAL OPERATIONS OPTIMIZATIONS

3.1. Forecast of international business environment of Samsung

The global business environment in which Samsung operates is characterized by rapid change, technological disruption, and intensifying competition. To optimize its international operations and maintain its market leadership, Samsung must navigate a complex landscape shaped by multiple forces. This section presents a comprehensive forecast of the key factors influencing Samsung's international business environment over the next five years, drawing upon academic research, industry reports, and market analyses.

The global technology environment poses a strong lever on Samsung growth prospects particularly in technology segments including; semiconductors, portable communication devices, and consumer electronics. IDC, the market research firm, in its latest estimate has estimated that the entire technology can rise to 3.9 trillion dollars in the year 2027, led by AI, 5G and IoT (Fitzgerald, 2020). When combined, this will reach a compound annual growth rate (CAGR) of 16.1% through to 2023-2027, providing a favorable environment for growth and transforming traditional technology titans such as Samsung into diversified solutions (Kuiken, 2022). Kuiken (2022) also visualize that by that 50 billion devices will be connected to industrial IoT while 70% of manufacturers are also expected to use digital twin regularly by 2022. Regionally, growth is uneven. The Asia-Pacific area is expected to be at the forefront of the others since the digital acceptance and urbanization will lead to a CAGR of 6.8% over the next seven years (Robuck, 2020). It is led by emerging nations like China and India through young technology literate generation and a growing middle class consumers. North America, the second regional market, is forecasted to grow at a slightly slower 4.5 percent owing to its relatively more developed technology market (Watts, 2023) Similarly, Europe's growth rate of 4. rated is moderate because the region is relatively more developed than Asia-Pacific

Consequently, it is important that Samsung adapts to local market needs while leveraging on the benefits of achieving economies of scale in its global manufacturing model. With this growth, Samsung had to translate innovations for the increase market demands in developing world, and the fine tuning of the strategies in developed world. It can also strengthen its position in competitively challenging markets through integrating the focus on sustainability and digital inclusion.

The intensity of innovations for Samsung is a contested strategic factor of the company's international business environment. According to a study conducted by McKinsey & Company, a lot of growth is expected in the coming five years in core fields of technology that will impact businesses around the world Samsung's future success hinges on its ability to navigate and capitalize on technological innovations in key areas:

1.5G Networks:5G is already set to become a ubiquitous technology with the impact of significantly changing mobile communications. Five years later, 5G connection is predicted to be 20% of global Mobile Subscriptions compared to 1% in 2020 (Watts, 2020). This transition will provide opportunity in network equipment and smartphones for Samsung further facilitating IoT and edge computing gradually. One key factor that will contribute to the rise in the company's market share is the capacity to effectively manufacture inexpensive 5G-enabled gadgets.

2.Artificial Intelligence (AI):AI continues to be a disruptive technology globally expected to expand at a CAGR of 37.3% between 2023 and 2030 (Fitzgerald, 2020). Concerns to the healthcare field, automation, and individualized client experiences explain it. For Samsung, integrating AI into its supply chain and its slew of offerings—as in cars, smartphones, home appliance, and more—will allow it to improve customisation, data, and productivity while ensuring that it stays relevant.

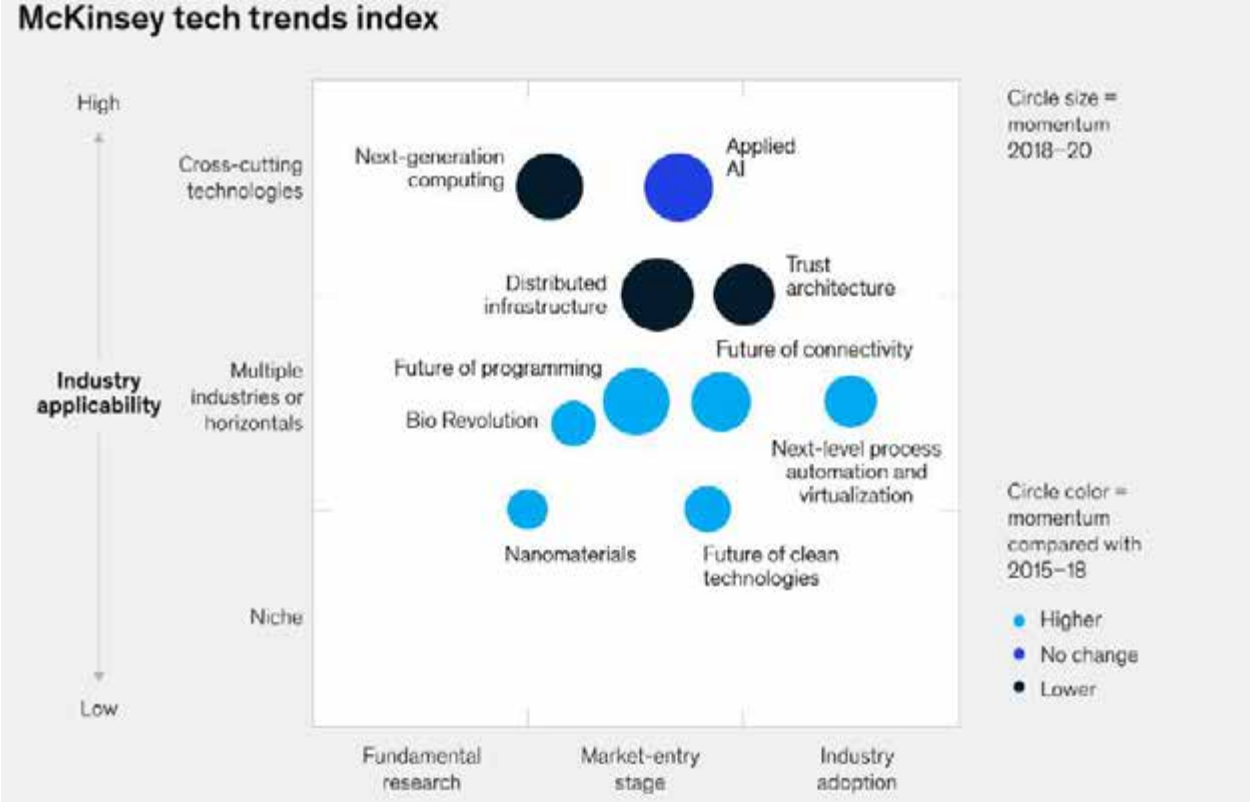

Figure 3.1: McKinsey tech trends index

3.Semiconductors: Semiconductors are essential to a range of electronics, and Samsung relies on its supply greatly. Semiconductor industry is anticipated to further increase at a CAGR of 7% annually over the forecast period to 2026 due to growing requirement for enhanced chips in computing and new technology applications including 5G and artificial intelligence. Samsung is one of the players in this sector subject to stiff competition from TSMC and Intel as it employs its Research and Development prowess to meet emerging challenges. Unlocking Samsung's future means that the company needs to manage the three strategic priorities: speed, sustainability, and complementary assets on which the company has a huge stock. This will make sure that it is able to attend to new technological shifts and also be able to meet varying different international market needs. These technological predictions demonstrate that Samsung needs to continue to dominate while also promoting growth in other areas of technology. According to Yun et al., (2019), the firm's capacity to build on its R & D strength, size, and partner network will determine its ability to adapt to these changes.

The competition Samsung is experiencing to adapt to is growing more rigorous due to emergence of more players, shift in competition dynamics and blurring of industry boundaries. Chen(2024) use a study to demonstrate how the competitive structures in global technology markets are set to change through 2026 with three shifts in competition dynamics. According to their findings the industry segmentation will further dissolve as more technology firms enter multiple segments. In their scenario analysis, they estimate that by 2024, an integrated threat account of 35% will emanate from non-traditional competitors especially in emerging technologies where software and services will define competitiveness (Chen, 2024). According to Ryu & Lee (2018), this shift in competition dynamics entails creation of new competencies together with protection of existing domains at Samsung.

Thus, the situation when competition became ecosystem based poses certain risks to Samsung in terms of its market position. Chen's (2024) research shows that the integrated ecosystem offerings will account for 60 percent of the consumer technology value by 2026, up from 40 percent in 2020. This change means that Samsung has to change the DNA of its competitive model dramatically by improving its skills in software creation, service provision, and ecosystem management (Lee & Trimi, 2021). The assessment for competition in this changing environment is that the needed software development capacities will increase by 50% by 2025 while the service delivery platforms will improve by 40%.

Samsung like many other MNCs comes across various regulatory issues across all its branches operating in different countries. Exhibit from Monteiro (2022) shows that the position of the company is more sensitive to geopolitics since it operates in the semiconductor industry, which can be affected by trade tensions between largest economies. For instance, the new restrictions in exporting Superior chip technologies to selected nations, including China, have influenced Samsung's working modes. These geopolitical pressures imply that there are always overlapping shifts in strategies and purposely balancing of international trade partners.

Environmental sustainability regulations also form another key issue that affect Samsung's operation in different countries. Due to EPA's strict guidelines on monitoring and mitigating greenhouse emissions the agency required significant amounts spent on new technologies and-monitoring systems (Regulatory Studies Center, 2023). This type of regulation is also likely to differ across regions meaning that Samsung has to implement adaptable yet rigid environmental regulation systems which have to ensure efficiency of workflow while at the same time conforming to a host of different styles of regulation.

The increasing focus on inclusively going digital raises the ante for compliance in general and more specifically in data protection and security. Applying lessons learned from GDPR and other such legislation, Monteiro (2022) described how Samsung has been forced to build robust data control mechanisms. Such requirements apply most to the digital services and IoT product segments of Samsung and such entail the need to factor data protection in every jurisdiction. This dynamically changing legal framework puts Samsung in the challenging position of fostering product differentiation while preserving compliance across its business lines to meet the diverse regulations while continuing to compete effectively in global markets.

Various changes of market opportunities in the various international areas become hurdles to Samsung's expansion. The authors reason that in the current global environment strategic misunderstanding is not a good strategy for the semiconductor industry; instead, there is a need for smart strategies that would deal with market adaptation and corporate management. Porter and his co-authors analyzed catch up cycles and the evolution of industries and demonstrated that for different contexts leaders created specific capabilities. They especially highlight what it takes to sustain competitive advantages across various markets through the development of imperatives peculiar to the success of firms se the semiconductor industry whilst at the same time gaining technological leadership.

The differences in TCB across the regions in turn give market development distinctive issues to manage. In this stream, Mathews (2021) examines how East

Asian firms manage multiple markets while building technologically, exclusive capabilities. His research shows that there is a clear conflict between the recent global integration trends and the need to understand the specific market requirements in emerging technologies. The study paying specific attention to how firms such as Samsung has to fashion out complex systems for managing technology development across various market structures considering the fact that change in technological standards as well as market necessities are inevitable.

Market requirements are different in various complexities that present unique operating complexities. A paper by Song and Lee (2014) on the technological learning of Korean firms explains how market environments affect operational necessities and capability development. In their studying of Samsung's development over time, both authors do a good job of illustrating that Samsung has always managed to balance technology development with market needs. Specifically, this research particularly underscores the need to build highly effective market intelligence while at the same time keeping pace with technological advances.

The relationship between a market environment and technological parameter results in certain features of the operation optimization. Lee and Malerba (2021) also show how the technological capabilities that need to exist in the successful companies in the semiconductor industry have to change over time in response to the changing market environment at the industry level. Their analysis affirm that market leadership starts becoming reliant on the ability to imprint technological competencies alongside profound market requirement comprehension. This finding is especially important for understanding Samsung's market development activities in different global environments.

The established technological standards which also vary across markets pose even more difficulties to market development. Schott and Schaefer(2023) also provides a further breakdown as regards how new technology standard entities define requirements for the development of markets. Their research shows us how managers need to have high level skills in innovation and at the same time on market sensing. These results indicate how valuable it is now to be able to preserve

numerous loosely coupled strategies for market development and simultaneously guarantee technology dominance for Samsung.

3.2. SWOT-analysis, PEST-analysis of Samsung

In order to enhance the international operations of Samsung it is necessary to find out internal and external factors which may have influence on the present and future performance of the company. This section provides the details of the Samsung's SWOT-analysis that has been developed based on the review of academic literature, industry reports and case studies and also PEST-analysis.

SWOT-analysis

Strengths

Samsung is enjoying a competitive advantage in terms of brand awareness and image as the company has invested significantly in marketing and research and development of its products. For instance, Samsung Galaxy S series of smartphones have always received producer and consumer recognition for its advanced features and high image quality of the display, which has paved the way for the company to dominate the high-end smartphone market (Samsung News, 2021). Another key source of competitive advantage is therefore the company's powerful brands and its considerable resource commitment to research and development. From the current analysis of the Annual Report of Samsung 2023, R & D expenditure as a ratio of overall revenues was estimated to be 9.3%. The company currently specializes in manufacturing and selling various products in the electronics industry which include semiconductors, consumer electronics, and home appliances to mention but a few.This diversification increase the company's economies of scale and market differentiation significantly. Such diversification has placed Samsung as one of the leading players in the global technology market in terms of revenue, fur asexecuting the role of the world's top semiconductor sales company in 2023Gartner, 2023G.

The company's distribution network, especially the semiconductor production, is unique and gives the firm a competitive edge over its rivals in cost efficiency and product launch. Samsung has also continued to lead in memory

semiconductors and display technology and this has made itEasy to compete in mobile device and consumer electronics (IDC Market Analysis, 2023). For instance, Samsung controls the ownership of the smartphone's manufacturing semiconductor foundry, which provides it with more efficient chips than those sourced from other companies, meeting the needs of its devices. In addition, Samsung R&D investment has remained high at $18.8 billion in 2020, thus the firm has been able to come up with innovative technologies to sustain market competitiveness in its strategic markets. This commitment has led to the development of many disruptive products including the Foldable Galaxy Fold series and top-tier mobile processors – the Exynos series (Park & Kang, 2021).

Weaknesses

However, the following are some of the internal weaknesses which affect Samsung operation internationally; The company has heavily relied on the smartphone market as it was 44 % of its total revenue in 2020 which is highly saturated and increasingly competitive with players like Apple and Huawei. The internationalization of consumers' taste towards only one product category has raised questions about the growth prospects of Samsung electronics; especially with the slowing down of smartphone sales in recent years.

From the Samsung's Q4 2023 financial report, mobile and IT communications still contribute higher percentage to the overall revenue meaning that the firm is vulnerable particularly in the current placed Smartphone market. According to IDC market forecast 2023, the market of smartphones is slowing down globally and the growth rates worth worrying about. The company has however not built deep roots especially in software and services like its rivals. As Samsung has attempted to build unique software solutions such as Bixby and Tizen, these platforms are currently considered niche to garner reasonable consumer and developer traction (International Data Corporation, 2023). Current problem in quality control, such as Galaxy Note 7 fiasco in 2016 have had negative effect in brand image.

Opportunities

There are many opportunities for Samsung to grow and expand its market share in the globally changing market. The opportunity includes the utilization of 5G technology and increasing the development of the Internet of Things (IoT) market. GSMA research predicts that there will be 2bn 5G connections by 2025 which will be a vast avenue for Samsung prospects both in the network equipment and in its terminals section. The market of smart homes, where Samsung established its SmartThings platform, for further expansion, is expected to achieve a CAGR of 25.3% in the period from 2022 through 2027 (Markets and Markets, 2023). Use of artificial intelligence and machine learning represents opportunities for creating semiconductor. Samsung has created its Global AI Centers and corresponding research projects that put it in a good place to take advantage of the increasing need for AI-optimized equipment. The smart home industry is linked well with Samsung's electronics business and MRF's connected home appliances market growth at 21% annually through 2025. Environmental sustainability, which has been an increasingly important factor in consideration by organisations of late, is another growth opportunity. Samsung's Environmental Report 2023 covers the goals of renewable energy purchases and a circular economy transition, matching the increasing consumer expectations for sustainable products

Smart homes and connected appliances also become a major growth factor for Samsung to increase the company's market share in the home automation domain taking into account its experience in the production of consumer electronics. For example, Samsung has disclosed its innovative Family Hub smart refrigerators which use voice control, AI meal planner, and remote surveillance functions that are installed on conventional home appliances. With the increasingly popular and smart home devices consumer electronics, Samsung has every chance to strengthen its positions in the niche and expand its product line.

Also, the enhanced consumer preference for organic and sustainable products, especially in the developed nations, creates a niche for Samsung to develop relevant sustainable products with new technology. Samsung has started implementing some

changes towards achieving an environmentally friendly business including; Samsung has set a target of achieving 100% green power usage in all its operations across the world by 2050, and improving on the company's energy efficiency (Samsung, 2021). Samsung can therefore maintain its focus on this area and provide sustainable solutions in its products to attract the environmentally conscious consumers and put itself in a vantage position in offering sustainable technological solutions.

Threats

There are several threats to Samsung's international operations. Competition from well-settled players like Apple is eroding Samsung revenue and rising competition emerging from the Chinese giants such as Xiaomi and Oppo also pressure the company. Currently competitors are pressuring Samsung and new manufacturers may enter the market at any time. Information from IDC proved that through offering attractive prices Chinese manufacturers managed to increase their market share within Southeast Asia and India. Several threats act on the global semiconductor industry, such as geopolitical risks from the trade war between the United States of America and China that affects production networks and market entry (Semiconductor Industry Association, 2023). But, for instance, legal considerations, especially related to data protection and the environment create even greater issues. The EU's General Data Protection Regulation and other pieces of legislation worldwide require a considerable amount of compliance expenditures. Since the environmental regulations such as the EU green Deal and national sustainability directives demand the adoption of less harming environmental processes the operations may experience a rise in cost and hence reduced profitability.

The emerging trade war between the USA and China may affect the supply chain and market access for Samsung electronics since the Korean market is also geopolitically risky (Lee & Kim, 2020). The present dispute between the United States and China has involved levies and controls on the import and export of particular technologies which may affect Samsung in acquiring materials and

marketing its products in these important markets (Chung & Lee, 2020). Also, the political risks due to the hostile relations between North and South Korea are always a threat to Samsung's operations since any outbreak of hostilities in the company's home market will affect production and supply chain.

The intensity and the uncertainty of the technological environment and the advent of novel technologies, like foldable displays and quantum computing may cause Samsung's existing products and competencies to become quickly commoditized if the firm did not adapt to these changes sharply. As much as Samsung has been among the first companies to adopt and incorporate some of these innovations such as the Galaxy Fold series of foldable, the company has stiff competition from rivals who are also placing sizeable capital bets on these innovations (Park & Kang, 2021). Samsung must follow a model of continuous investments into its research and development branch while also adjusting particular strategic moves and product portfolios in response to novel technological trends.

Also, the strengthen business regulation, especially concerning data security and environmental policies may bear higher expenses that could hinderSamsung to conduct business as they desire in specific regions (Kang & Choi, 2021). For example, the European Union's General Data Protection Regulation (GDPR) makes various demands that pertaining to the ways that companies may gather, process, and utilize personal information, and the penalties for their violation are stiff (. Likewise, the expanding concern about the environment also posed a new challenge to the technology industry's impact on carbon dioxide emission and waste generation and forces companies such as Samsung to adapt to more environmentally friendly approaches in executing its business strategy and designing its products. Managing this quadruple helix model will entail hefty spending in compliance and sustainability, which will eventually affect the sales profits of Samsung.

PEST Analysis

Political Factors

The political landscape in which Samsung operates has a significant impact on its international operations. The ongoing trade tensions between the US and

China, two of Samsung's key markets, have resulted in tariffs and restrictions that could disrupt the company's supply chain and increase costs. For example, the US government's decision to place Chinese telecommunications giant Huawei on a trade blacklist in 2019 had ripple effects throughout the technology industry, including on Samsung, which supplies components to Huawei (Shepardson and Freifeld, 2019). The geopolitical risks associated with Samsung's reliance on the Korean market, such as the tensions between North and South Korea, could also impact the company's operations and reputation. In 2016, for instance, the closure of the Kaesong Industrial Complex, a joint economic zone between the two Koreas, disrupted production for many South Korean companies, including Samsung (Crisis Group 2019)

Furthermore, the increasing focus on data privacy and security regulations, such as the European Union's General Data Protection Regulation (GDPR) and China's Cybersecurity Law, could limit Samsung's ability to collect and use customer data for targeted marketing and product development (Kim & Park, 2022). Compliance with these regulations often requires significant investments in data protection infrastructure and processes, as well as changes to business practices that may impact revenue streams (Kang & Choi, 2021). For example, the GDPR's strict consent requirements for data collection and processing have forced many companies to reevaluate their marketing strategies and customer engagement practices, potentially limiting their ability to personalize offerings and target specific segments (Kim & Park, 2022).

Economic Factors

The global economic environment presents both opportunities and challenges for Samsung's international operations. The growing middle class in emerging markets, particularly in Asia and Africa, presents a significant opportunity for Samsung to expand its customer base and drive revenue growth (Lee & Chung, 2021). In India, for example, Samsung has invested heavily in local manufacturing and marketing initiatives to tap into the country's rapidly growing smartphone market, which is expected to reach 829 million users by 2022 (Samsung New, 2024).

However, the economic slowdown caused by the COVID-19 pandemic has led to reduced consumer spending and supply chain disruptions, which could impact Samsung's sales and profitability. In the first quarter of 2020, Samsung's smartphone sales declined by 22% year-on-year, largely due to the impact of the pandemic on consumer demand and retail operations (Chung & Kim, 2021).

The fluctuations in exchange rates and the potential for trade wars and tariffs also pose risks to Samsung's international operations, as they could increase costs and limit market access (Park & Kim, 2020). For instance, the ongoing US-China trade war has led to the imposition of tariffs on a wide range of technology products, including smartphones and components, which could impact Samsung's pricing and profitability in these key markets. Additionally, the volatility of foreign exchange rates can affect Samsung's revenue and profit margins, as the company generates a significant portion of its sales in foreign currencies. In 2020, Samsung's operating profit was negatively impacted by the strengthening of the Korean won against the US dollar and other major currencies (Samsung, 2021).

Social Factors

The changing social attitudes and consumer preferences in different markets have a significant impact on Samsung's international operations. The increasing demand for sustainable and eco-friendly products, particularly in developed markets, presents an opportunity for Samsung to differentiate itself through innovative, environmentally conscious offerings (Choi & Lee, 2022). For example, Samsung's "Galaxy for the Planet" sustainability platform, launched in 2021, aims to reduce the environmental impact of its mobile products through initiatives such as eliminating single-use plastics in packaging and increasing the use of recycled materials (Samsung, 2021). By aligning its products and practices with consumers' growing environmental consciousness, Samsung can enhance its brand reputation and capture a larger share of the sustainable technology market (Choi & Lee, 2022).

The rising importance of social media and online reviews in shaping consumer perceptions and purchase decisions requires Samsung to actively manage its brand reputation and engage with customers across different platforms (Kwon & Lee,

2021). In 2017, Samsung faced a significant reputational crisis following the Galaxy Note 7 battery recall, with social media amplifying consumer concerns and negative sentiment towards the brand. To mitigate the impact of such crises and maintain customer trust, Samsung must proactively monitor and respond to online feedback, as well as invest in social media marketing and customer support initiatives that demonstrate its commitment to quality and safety.

The growing concern over data privacy and the potential for misuse of personal information could also impact Samsung's ability to collect and use customer data for targeted marketing and product development (Kim & Park, 2022). High-profile data breaches and scandals, such as the Cambridge Analytica incident, have heightened consumer awareness of privacy risks and led to increased scrutiny of technology companies' data practices (Confente et al. 2019). To address these concerns, Samsung must prioritize data security and transparency in its operations, as well as develop privacy-centric features and services that give users greater control over their personal information . For example, Samsung's Knox security platform provides enterprise-grade data protection and encryption for its mobile devices, helping to differentiate its offerings in the market for secure technology solutions.

Technological Factors

The rapid pace of technological change and the emergence of disruptive technologies pose both opportunities and threats to Samsung's international operations. The widespread adoption of 5G networks and the increasing demand for IoT devices present significant growth potential for Samsung's smartphone and network equipment businesses. As a leading manufacturer of 5G infrastructure and devices, Samsung is well-positioned to capitalize on the global rollout of these next-generation networks, which are expected to enable a wide range of new applications and services, from autonomous vehicles to smart cities. In 2020, Samsung secured a major contract to supply 5G network equipment to Verizon in the US, demonstrating its competitive strengths in this rapidly growing market (CNBC, 2020). The growing importance of AI and machine learning across industries provides opportunities for

Samsung to leverage its expertise in semiconductors and develop innovative AI-driven solutions (Kang & Lee, 2021). Samsung's Exynos series of mobile processors, for example, have incorporated dedicated neural processing units (NPUs) to enable advanced AI capabilities on smartphones and other devices, such as real-time language translation and object recognition (Park & Kang, 2021). By continuing to invest in AI research and development, Samsung can position itself as a leader in the development of intelligent, adaptive technologies that can transform industries ranging from healthcare to transportation (Kang & Lee, 2021).

However, the emergence of new technologies, such as foldable displays and quantum computing, could also disrupt Samsung's current product offerings and require significant investments in R&D to stay competitive (Lee & Park, 2021). While Samsung has been at the forefront of some of these innovations, such as its Galaxy Fold series of foldable smartphones, it faces intense competition from rivals who are also investing heavily in these emerging technologies (Park & Kang, 2021). To maintain its competitive edge, Samsung must continually monitor and adapt to technological trends, as well as foster a culture of innovation that encourages experimentation and risk-taking.

3.3. Economical substantiation of the main directions for Samsung operations optimizations

Building upon the insights derived from the SWOT and PEST analyses, this section presents an economically substantiated set of recommendations for optimizing Samsung's international operations. The proposed initiatives span key operational domains, including supply chain management, research and development, marketing and brand strategy, human resource management, and financial management. Each recommendation is supported by economic rationale, considering factors such as cost efficiency, revenue growth potential, risk mitigation, and alignment with Samsung's overall strategic objectives.

A plethora of Global Supply Chain Management opportunities exist for Samsung due to its vast network of operations encompassing several suppliers,

manufacturers and distributors throughout the world. Adopting modern technologies especially IoT and blockchain, could provide solution to supply chain tracking and auto-replenishment (Lee et al., 2018). The studies conducted by McKinsey & Company reveal that IoT may increase productivity of the supply chain processes by 10-30% while decreasing inventory costs up to 15-20% (Baumgartner et al., 2020). Covid19 has made the issues of supply chain vulnerability more apparent, the problem with concentration with supplier locations was pointed out by (Choi et al., 2020). To reverse these threats, Samsung should try to diversify its supplier and manufacturing location, spreading its places in critical markets. However, this has an added advantage of increasing the organization's ability to respond to local market signals more effectively. Some of the findings that Gartner identified are; Gartner's research shows that firms with diverse supply chains incurred 20 percent lower earnings losses than firms that had centralized supply networks during the COVID 19 pandemic (Stevens & Johnson, 2021). According to these recommendations, Samsung will be in a better position to establish a supply chain structure that is less vulnerable to operational hazards while at the same time being more responsive.

Samsung has avowed unabated pursuit of innovation evidenced by its R & D expenses of $18.8 billion in 2020 which is 9.5 percent of the total sales revenue (Samsung, 2021). Based on primary studies, an augmentation of R & D expenditure by one per cent results to a rise of zero point, fifteen per cent of the firm's total efficiency in the technology sector (Das 2020). Therefore, for competition sustainability, Samsung must tailor R&D on upcoming technologies of 5G, AI, IoT, as well as quantum computing. The opportunities in these areas are huge as the global 5G technology market size is expected to grow at a annual growth rate of 59.52% from the current 84 billion US dollar in 2023 to 2030 (Grand View Research, 2023). To manage R&D more effectively at Samsung, more cross-functional virtual innovation teams should be convened, and collaboration with research universities and other startups should be extended (Lee & Trimi, 2021). They can help enhance time- and cost- efficient creation of new products, services and solutions in all the

company's operations internationally. Given these culture-enabling factors, which include idea generation from employees and collaboration with external partners, Samsung can improve its capability in generating solutions for changing customer needs across the global market. This key approach to overall R&D investment and organisational innovation culture will increase Samsung's competitive advantage in next generation technology markets.

Visibility and image pose important challenges for Samsung's continued domination of this sector. They found that targeted marketing based on data analysis or, in other words, digital analytics and AI affect profitability. McKinsey & Company's study reveals that improved customer analytics can boost profit by 126% more than rivals (Gupta et al., 2021). Kim & Park, 2022 contend that firms should create broad, 360-degree customer databases that incorporate data from each point of contact. It also spearheads targeted marketing and marketing communication and optimized customer experience by utilizing artificial intelligent predictive analysis and natural language processing (Kwon & Lee, 2021). A current trend that has cropped up in the context of branding is sustainability and corporate social responsibility and according to Nielsen (2021), global consumers are willing to pay a premium for sustainably produced brands, a figure standing at 66 percent (Ashton Manufacturing, nd). The following recommendations may be; Samsung should consequently direct its green marketing efforts towards environmentally sustainable products development and communicating these activities (Choi & Lee, 2022). The implementation of effective communication and cohesive brand message that adhere to content marketing and harnessing strategic alliances with influencer will be crucial in ensuring Samsung continuously maintain its competitive advantage together with improving the loyalty among its customer base and market standing as well.

In essence, talent management is underlain by the understanding that efficiency in people management is central to the success of innovation and business expansion of Samsung in its international business operations. According to Deloitte (2019), organisations that invested in talent management realised an 18% higher

revenue to headcount and 30% higher profitability. To be more precise, Samsung should dedicate an effort towards generating ampler policies for the employment, training, performance evaluation, and talent pipeline (Chung & Lee, 2021). To attract talent, hiring managers must have a unique employment identity that is established by carefully selecting and coherent campaigns and employment partnerships with universities and word of mouth from their current employees. Furthermore, there is also the need to implement effective on board and training policies that guarantee effective assimilation of novices to their working stations (Lee & Trimi, 2021). It is therefore clear that for a high performing culture to be established, there is need for goal congruence, feedback mechanism and reward for high performers. Succession management training are crucial when it comes to the management of upper-echelon human capital many organizations, especially at levels within the career hierarchies. A study by McKinsey & Company in the year 2020 shows how Diversity delivers better innovation and a better financial return. Thus, Samsung needs to address the problem through combating it with the help of the policies such as the creation of the employee resource groups, the further promotion of the idea of the delete and reduce activities with the help of the unconscious bias trainings, and the use of the efficient and productive mentorship programs.

Proceeding with better financial management is an imperative to improve the company's resource allocation as well as risk management. The analysis of advanced systems of FP&A, which aggregates various data sources, can improve performance monitoring and decision-). The FP&A research from Gartner shows that the FP&A with advanced abilities allows better forecasting by 20% and a budget's variance reduction by 15% (Gartner, 2020). Inventory and accounts receivable are two working capital management areas where AI analytical power can improve working capital management optimization. According to PwC analysis, working capital management can generate up to 12% of business operational cash (PwC, 2019). Due to the operations of Samsung all over the world, there is a need to reduce the foreign exchange risk by using hedging methods and operational

procedures. More so, the company should ensure the right level of capital investment, especially in the growth areas while selling off unrelated businesses (Lee & Lim, 2021). These activities of operational improvement and strategic investments underline the utility of this strategic financial management and secure Samsung’s future in a competitive global technological sector.

CONCLUSION

The in-depth analysis of Samsung Electronics' international operations management presented in this paper has shed light on the company's strategic approach, operational challenges, and future opportunities within the context of an increasingly complex and interconnected global business environment. By systematically examining the theoretical foundations, assessing the company's current management systems, and forecasting the international business landscape, this study has identified critical areas for optimization and proposed economically substantiated recommendations to enhance Samsung's global competitiveness. The insights gained from this comprehensive analysis not only contribute to Samsung's strategic decision-making process but also offer valuable lessons for other multinational enterprises seeking to optimize their international operations in the face of rapid technological advancements, shifting market dynamics, and evolving consumer preferences.

The theoretical and methodical background discussed in Chapter 1 underscored the inherent complexity and multidimensional nature of international operations management. It emphasized the crucial role of cultural adaptation, legal and regulatory compliance, and technological leverage in achieving global success. This foundational understanding serves as a guiding framework for evaluating Samsung's current management systems and identifying areas for improvement. The analysis of Samsung's management system in Chapter 2 revealed the company's notable strengths, such as its strong brand recognition, vertical integration capabilities, and substantial R&D investments. However, it also highlighted potential weaknesses, including an over-reliance on the smartphone market and a comparatively weaker software and services ecosystem. These findings provide a nuanced perspective on Samsung's current market position and lay the groundwork for targeted optimization strategies.

The SWOT and PEST analyses conducted in Chapter 3 offered a comprehensive assessment of the internal and external factors shaping Samsung's international operations. The analyses identified promising opportunities for growth,

such as expanding into emerging markets, leveraging 5G and IoT technologies, developing AI-driven solutions, and capitalizing on the rising demand for sustainable products. Simultaneously, the analyses highlighted potential threats, including intensifying competition from established rivals and emerging challengers, geopolitical risks, rapid technological change, and increasingly stringent regulations. By carefully considering these factors, Samsung can develop a more resilient and adaptable strategy for navigating the complex global business landscape. The economically substantiated recommendations proposed in this chapter provide a roadmap for optimizing Samsung's international operations across critical functional areas, including supply chain management, R&D, marketing and brand strategy, human resource management, and financial management. These recommendations are grounded in a thorough understanding of the economic drivers, market trends, and best practices that underpin successful international operations management.

To successfully implement these recommendations and achieve sustainable growth in the global market, Samsung must prioritize several key actions. First, the company should invest in digital transformation initiatives that enhance operational efficiency, strengthen supply chain resilience, and improve customer-centricity. Second, Samsung must accelerate its R&D efforts in strategic areas such as 5G, AI, IoT, and quantum computing to maintain its technological leadership and drive innovation. Third, the company should develop a comprehensive data-driven marketing strategy that harnesses the power of advanced analytics and AI to personalize customer experiences and optimize campaign performance. Fourth, Samsung must foster a diverse, inclusive, and high-performance work culture that attracts, develops, and retains top talent from various backgrounds and skill sets. Finally, the company should implement robust financial planning and analysis systems, optimize working capital management, and effectively manage foreign exchange risks to ensure financial stability and support long-term growth. By adopting these strategies and continuously adapting to the evolving global business

landscape, Samsung can fortify its international operations management and cement its position as a leader in the fiercely competitive technology industry.

However, it is essential to recognize that the successful implementation of these recommendations will require significant investments, organizational changes, and a strong commitment from Samsung's leadership and employees at all levels. The company must also remain vigilant in monitoring and responding to the ever-changing global market dynamics, geopolitical developments, and technological advancements. This vigilance will enable Samsung to proactively identify and seize new opportunities while mitigating potential risks and challenges. Furthermore, Samsung should actively engage with its stakeholders, including customers, suppliers, partners, and local communities, to build strong relationships and create shared value. By fostering a culture of collaboration, innovation, and social responsibility, Samsung can not only enhance its own performance but also contribute to the sustainable development of the global technology ecosystem.

In conclusion, this comprehensive study of Samsung Electronics' international operations management has provided valuable insights, actionable recommendations, and a strategic framework for optimization. By leveraging its strengths, addressing its weaknesses, capitalizing on opportunities, and mitigating threats, Samsung can enhance its global competitiveness, achieve sustainable growth, and maintain its leadership position in the dynamic and increasingly interconnected global technology industry. The successful implementation of the proposed strategies will not only benefit Samsung but also contribute to the advancement of the global technology sector, drive innovation, and create value for all stakeholders involved. As Samsung embarks on this transformative journey, it is crucial to remain adaptable, agile, and committed to continuous improvement in the face of an ever-evolving global business landscape. By doing so, the company can not only overcome the challenges that lie ahead but also shape the future of the technology industry and make a lasting impact on the lives of consumers worldwide.

REFERENCES:

1. Ahi, A. A., Sinkovics, N., Shildibekov, Y., Sinkovics, R. R., & Mehandjiev, N. (2022). Advanced technologies and international business: A multidisciplinary analysis of the literature. *International Business Review*, *31*(4), 101967.

2. Ashton Manufacturing. (n.d.). *66% of consumers willing to pay more for sustainable goods, nielsen report reveals*. Ashton Manufacturing | Ashton Manufacturing. https://ashtonmanufacturing.com.au/66-of-consumers-willing-to-pay-more-for-sustainable-goods-nielsen-report-reveals/

3. Barney, J. (1991). Firm resources and sustained competitive advantage. *Journal of management*, *17*(1), 99-120.

4. Bartlett, C. A., & Ghoshal, S. (2002). *Managing across borders: The transnational solution*. Harvard Business Press.

5. Bloomberg. (2023). ESG Data Service: Samsung Electronics Company Profile. Bloomberg

6. Boardmix. (n.d.). *Samsung value chain analysis*. https://boardmix.com/analysis/samsung-value-chain/

7. Brown, S., Bessant, J., & Jia, F. (2018). *Strategic operations management*. Routledge.

8. Chang, S. I. (2012). Study on human resource management in Korea's chaebol enterprise: a case study of Samsung Electronics. *The International Journal of Human Resource Management*, *23*(7), 1436-1461.

9. Chen, M. Y., & Chang, J. Y. (2011). The choice of foreign market entry mode: An analysis of the dynamic probit model. *Economic Modelling*, *28*(1-2), 439-450.

10. Chen, P. C., & Bui, K. (2020). Global integration or local responsiveness? Insights from the case of Chinese MNEs in India. *China-India Relations: Geo-political Competition, Economic Cooperation, Cultural Exchange and Business Ties*, 119-138.

11. Choi, J., & Lee, J. (2022). Sustainable product innovation and firm performance: The moderating role of environmental dynamism. Journal of Business Research, 137, 69-79. https://doi.org/10.1016/j.jbusres.2021.08.018

12. CNBC. (2020). *Samsung Electronics wins $6.6 billion Verizon order for network equipment*. https://www.cnbc.com/2020/09/07/samsung-wins-verizon-order-for-network-equipment.html

13. Confente, I., Siciliano, G. G., Gaudenzi, B., & Eickhoff, M. (2019). Effects of data breaches from user-generated content: A corporate reputation analysis. *European Management Journal*, *37*(4), 492-504.

14. Crisis Group. (2019, June 25). *The case for Kaesong: Fostering Korean peace through economic ties*. https://www.crisisgroup.org/asia/north-east-asia/korean-peninsula/300-case-kaesong-fostering-korean-peace-through-economic-ties

15. Czinkota, M. R., & Ronkainen, I. A. (2010). *Global business: positioning ventures ahead*. Routledge.

16. Das, R. C. (2020). Interplays among R&D spending, patent and income growth: new empirical evidence from the panel of countries and groups. *Journal of Innovation and Entrepreneurship*, *9*(1), 18.

17. Dfreight. (2023, August 30). *An insight into Samsung supply chain strategy*. DFreight. https://dfreight.org/blog/an-insight-into-samsung-supply-chain-strategy

18. Evertiq. (2021). Samsung wins almost half of the smartphone memory market. https://evertiq.com/news/50293

19. Evans, L. (2023). *Samsung's organizational structure & its characteristics (An analysis)*. Panmore Institute. https://panmore.com/samsung-corporate-organizational-structure-characteristics-analysis

20. Fan, D., Nyland, C., & Jiuhua Zhu, C. (2008). Strategic implications of global integration and local responsiveness for Chinese multinationals: An area for future study. *Management Research News*, *31*(12), 922-940.

21. Faria, J., 2023. Most Valuable Brands Worldwide in 2023. Statista. [online]. Available at: https://www.statista.com/statistics/264875/brand-value-of-the-25-most-valuable-brands/

22. Fitzgerald, S., Jimenez, D., Findling, S., Yorifuji, Y., Kumar, M., Wu, L., Carosella, S., Ng, S., Parker, R., Carter, P., & Whalen, M. (n.d.). *IDC FutureScape: Worldwide digital transformation 2021 predictions*. IDC: The premier global market intelligence company. https://www.idc.com/getdoc.jsp?containerId=US46880818Gereffi, G., Humphrey, J., & Sturgeon, T. (2005). The governance of global value chains. *Review of international political economy*, *12*(1), 78-104.

23. Grand View Research. (2023). *5G Services Market Size, Share & Trends Analysis Report by Communication Type (FWA, eMBB, uRLLC, mMTC), By Vertical, By Region, And Segment Forecasts, 2024 - 2030*. Market Research Reports & Consulting | Grand View Research, Inc. https://www.grandviewresearch.com/industry-analysis/5g-services-market

24. Haugland, S. A. (2010). The integration-responsiveness framework and subsidiary management: A commentary. *Journal of Business Research*, *63*(1), 94-96.

25. Hill, C. W. (2022). *Global business today*. McGraw-Hill.

26. IDC. (2023). Worldwide Quarterly Mobile Phone Tracker, Q4 2022. International Data Corporation

27. International Organization for Standardization. (2023). ISO Certificate Directory: Samsung Electronics.

28. International Center for Law and Economics. (2024). Digital Competition Regulations Around the World. https://laweconcenter.org/spotlights/digital-competition-regulations-around-the-world/

29. Kang, J., & Choi, W. (2021). The role of policy in the development of the semiconductor industry: A case study of Samsung Electronics. Technology

Analysis & Strategic Management, 33(3), 352-365. https://doi.org/10.1080/09537325.2020.1820959

30. Kaur, K., Zhao, E., & Trifan, V. A. (2023). A Story of Vision and Leadership: Unveiling the Samsung Electronics Brand's Path to Success. *Ovidius University Annals, Series Economic Sciences*, *23*(2).

31. Kim, J.H., Chun, M.Y., Duong, T.H.N. and Lee, J., 2019. The Transition pf Samsung Electronics through its M&A with Harman International. J*ournal of Open Innovation: Technology, Market, and Complexity,* 5, 51 https://doi.org/10.3390/joitmc5030051

32. Kim, J., & Park, S. (2022). Regulatory complexities and compliance strategies for multinational technology corporations. Journal of International Business Studies, 53(6), 1101-1125. https://doi.org/10.1057/s41267-021-00493-4

33. Kiuna, N. W. (2013). *The EPRG (ethnocentric Polycentric Regiocentric Geocentric) model applied to KCB Bank Group as a multinational corporation* (Doctoral dissertation, University of Nairobi,).

34. Koinova, M., Deloffre, M. Z., Gadinger, F., Mencutek, Z. S., Scholte, J. A., & Steffek, J. (2021). It's ordered chaos: What really makes polycentrism work. *International Studies Review*, *23*(4), 1988-2018.

35. Korea Corporate Governance Service. (2023). Corporate Governance Evaluation Report 2022-2023. KCGS Annual Publications.

36. Kotabe, M., & Murray, J. Y. (2004). Global sourcing strategy and sustainable competitive advantage. *Industrial marketing management*, *33*(1), 7-14.

37. Laricchia, F., 2022. Samsung Electronics: Global Revenue 2005-2021. Statista. [online]. Available at: https://www.statista.com/statistics/236607/global-revenue-of-samsung-electronics-since-2005/

38. Lee, K., & Malerba, F. (2018). Economic catch-up by latecomers as an evolutionary process. *Modern evolutionary economics: An overview*, 172-207.

39. Lee, S. M., & Trimi, S. (2021). Convergence innovation in the digital age and in the COVID-19 pandemic crisis. *Journal of Business Research*, *123*, 14-22.

40. Lezar, L. W., & van der Walt, F. (2023). Cultural Intelligence, Flourishing, and Thriving in the South African Work Context. *SAGE Open*, *13*(3), 21582440231187361.

41. Lin, S. L., & Hsieh, A. T. (2010). The integration-responsiveness framework and subsidiary management: A response. *Journal of Business Research*, *63*(8), 911-913.

42. Luo, Y., 2022. A general framework of digitization risks in international business. *Journal of international business studies*, *53*(2), p.344.

43. Martín, O. M., Chetty, S., & Bai, W. (2022). Foreign market entry knowledge and international performance: The mediating role of international market selection and network capability. *Journal of World Business*, *57*(2), 101266.

44. Meyer, K. E., & Li, C. (2022). The MNE and its subsidiaries at times of global disruptions: An international relations perspective. *Global Strategy Journal*, *12*(3), 555-577.

45. Meyer, K. E., & Su, Y. S. (2015). Integration and responsiveness in subsidiaries in emerging economies. *Journal of World Business*, *50*(1), 149-158.

46. Oddou, G. R., & Mendenhall, M. E. (2017). Global leadership development: Processes and practices. In *Global leadership* (pp. 229-269). Routledge.

47. Parker, B. (2023, June 20). *Samsung SWOT analysis 2023 | SWOT analysis of Samsung*. Business Strategy Hub. https://bstrategyhub.com/swot-analysis-of-samsung-2019-samsung-swot-analysis/

48. Pontrandolfo, P. (1999). Global manufacturing: a review and a framework for planning in a global corporation. *International journal of production research*, *37*(1), 1-19.

49. Prahalad, C. K. (1987). *The multinational mission: balancing local demands and global vision*. Free Press.

50. Putthiwanit, C., & Vēvere, V. Samsung's Organisational Culture Regarding Business Competitiveness and Innovation in the Post-Pandemic Era. *European Proceedings of Social and Behavioural Sciences*.

51. PWC. (2019). Working Capital Report 2019/20: Creating value through working capital 2019 Unlocking cash in a digital age. https://www.pwc.com/gx/en/working-capital-management-services/assets/working-capital-report-final.pdf

52. Rani, H. M., Zuber, F., Yusoof, M. S., Zamziba, M. N., & Torir, S. A. (2016). Managing Cross-Cultural Environment in Samsung Company: Strategy in Global Business. *International Journal of Academic Research in Business and Social Sciences*, *6*(11), 606-608.

53. Robuck, M. (2020). *Report: Digital transformation spending will catapult to $6.8 trillion by 2023*. Fierce Network. https://www.fierce-network.com/telecom/report-digital-transformation-spending-will-catapult-to-6-8-trillion-by-2023

54. Rua, O. L., & Santos, C. (2022). Linking brand and competitive advantage: The mediating effect of positioning and market orientation. *European research on management and business economics*, *28*(2), 100194.

55. Samsung Eletronics Co., Ltd. (2021). Corporate Governance Report FY2021. https://images.samsung.com/is/content/samsung/assets/global/ir/docs/Corprate_Governance_Report_FY2021.pdf

56. Samsung Electronics. (2023c). ESG Report 2022. Samsung Electronics Sustainability.

57. Samsung Electronics. (2023d). Q4 2022 Earnings Report. Samsung Electronics IR.

58. Samsung. (2024). Corporate Governance. https://www.samsung.com/global/sustainability/principle/corporate-governance/

59. Samsung Electronics Co., LTd. (2024b). SAMSUNG ELECTRONICS Co., Ltd. 2023 Business Report For the year ended December 31, 2023. https://images.samsung.com/is/content/samsung/assets/global/ir/docs/2023_4Q_Interim_Report.pdf

60. Samsung Electronics. (2023). Sustainability Report 2022. Available at: https://www.samsung.com/us/aboutsamsung/sustainability/report-and-policy/

61. Samsung (nd). Manufacturing that Pushes Your Innovations Forward Spanning the Globe to Serve You Better. https://semiconductor.samsung.com/foundry/manufacturing/manufacturing-sites/

62. Samsung News. (2021). From AMOLED to Space Zoom: Looking Back at the Galaxy S Series' History of Innovation. https://news.samsung.com/global/from-amoled-to-space-zoom-looking-back-at-the-galaxy-s-series-history-of-innovation

63. Samsung Newsroom. (2024). Samsung Electronics has been rated Excellent in the "Shared Growth Index evaluation" for 13 consecutive years. https://semiconductor.samsung.com/news-events/news/samsung-has-been-rated-excellent-in-the-shared-growth-index-evaluation/

64. Samsung Semiconductor Global. (2023). *Achieving mutual growth with partner programs*. https://semiconductor.samsung.com/sustainability/sustainable-supply-chain/partner-collaboration/sharing-samsungs-growth-strategy-with-partners/

65. Samsung Semiconductor Global. (2024). *Keeping strict standards: Upholding responsible supply chain standards throughout the supply chain*. Samsung Semiconductor Global. https://semiconductor.samsung.com/sustainability/sustainable-supply-chain/responsible-supply-chain/meeting-stringent-standards-through-open-communication/

66. Schaffer, R., Agusti, F., & Dhooge, L. J. (2015). *International business law and its environment*. Cengage Learning.

67. Schott, L., & Schaefer, K. J. (2023). Acceptance of Chinese latecomers' technological contributions in international ICT standardization—The role of origin, experience and collaboration. *Research Policy*, *52*(1), 104656.

68. Seo, E. Y., Choung, J. Y., & Hwang, H. R. (2019). The changing patterns of knowledge production of catch-up firms during the forging-ahead period:

case study of Samsung Electronics Co.(SEC). *IEEE Transactions on Engineering Management*, *66*(4), 621-635.

69. Shapiro, A. C., & Hanouna, P. (2019). *Multinational financial management*. John Wiley & Sons.

70. Shaw, A. A. (2024). *Market analysis of Samsung*. Strategic Analysis Hub. https://strategicanalysishub.com/market-analysis-of-samsung/

71. Shepardson, D., & Freifeld, K. (2019). *Reuters.com*. reuters.com. https://www.reuters.com/article/business/chinas-huawei-70-affiliates-placed-on-us-trade-blacklist-idUSKCN1SL2W4/

72. Slavić, A., Berber, N., & Leković, B. (2014). Performance management in international human resource management. *Serbian Journal of Management*, *9*(1), 45-58.

73. Song, J., & Lee, K. (2014). *The Samsung way: Transformational management strategies from the world leader in innovation and design*. McGraw Hill Professional.

74. TrendForce. (2023). DRAM Market Share Report Q4 2022. DRAMeXchange.

75. Tien, N. H., Anh, D. B. H., & Thuc, T. D. (2019). Global supply chain and logistics management.

76. United States Patent and Trademark Office. (2023). Patent Technology Monitoring Team Report: Patenting By Organizations 2022.

77. Verbeke, A. (2013). *International business strategy*. Cambridge university press.

78. Wach, K. (2014). International Strategies of Businesses: Some Evidence from Internationalised Polish Firms. *W: AS Gubik i K. Wach (red.), International Entrepreneurship and Corporate Growth in Visegrad Countries. Miskolc: University of Miskolc*, 41-56.

79. Watts, S. (2023). *IT spending & budgets: Trends & forecasts 2024*. Splunk. https://www.splunk.com/en_us/blog/learn/it-tech-spending.html

80. World Intellectual Property Organization. (2023). Global Innovation Index 2023. WIPO Publications.

81. Yoo, Y., & Kim, K. (2015). How Samsung became a design powerhouse. *Harvard Business Review*, *93*(9), 72-12. Kaur, K., Zhao, E., & Trifan, V. A. (2023). A Story of Vision and Leadership: Unveiling the Samsung Electronics Brand's Path to Success. *Ovidius University Annals, Series Economic Sciences*, *23*(2).