The Age of Agile Enterprises

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Abstract

Since the turn of the century, the global market environment has become hypercompetitive. As the pace of technological novelty continues to abruptly advance, the competition between enterprises will be more intense. In order to meet customer expectations and quickly respond to market changes, enterprises has to apply agility to their processes, products and/or services. It is basically a winning business philosophy and mindset that should be part of any organizational culture as agility conducts to productivity gains, quality improvement and innovation. The aims of the paper are to define the agile enterprise concept and briefly characterize this type of enterprise. To reach the goals of the paper, the author used a qualitative research method based on a desk research exploration. The paper contributes to a better understanding of the agile enterprise concept. Also, it briefly illustrates some of the key features of agile enterprises that led to their expansion worldwide.

Key words: agile enterprise, agility, enterprise, organization
J.E.L. classification: L2, M00

1. Introduction

Since the turn of the century, the global market environment has become hypercompetitive. A plethora of factors, such as the diffusion of globalization all over the world, the rapid ageing of the workforce, especially in advanced economies, the labour force migration, the higher-than-expected rate of inflation, geopolitical tensions, customization and the widespread adoption of new technologies, have led to significant changes both in the economic and business landscape (Lipsey, 1999; Toma, 2005; Krueger, 2006; Shine, 2023).

As the pace of technological novelty continues to abruptly advance, the competition between enterprises as well as between countries will be more intense. Digitalization, Internet of Things, communications and artificial intelligence (AI) are among the factors that have a major impact on enterprises and provide competitive advantage in today’s Industry 4.0 (Tohânean et al, 2018; Toma et al, 2018; International Strategic Analysis, 2019). The emergence and rapid expansion of AI in an increasing number of domains (e.g., data analytics, aerospace, automotive industry, defense industry) is already producing breakthrough innovations and efficiency improvements (Siraudin et al, 2023). Moreover, AI-based approaches strengthen systems agility and resilience, and facilitate growth (Wang et al, 2022; Stern et al, 2023).

Today’s turbulent market environment requires business organizations to continuously adapt to its shifting conditions. In order to meet customer expectations and quickly respond to market changes, enterprises has to apply agility to their processes, products and/or services. It is basically a winning business philosophy and mindset that should be part of any organizational culture as agility conducts to productivity gains, quality improvement and innovation.

The aims of the paper are to define the agile enterprise concept and briefly characterize this type of enterprise. The paper is structured as follows. The next part displays the literature review. The research methodology is shown in the third part of the paper. The findings of the paper are illustrated in the fourth part. The last part of the paper exhibits the conclusions.
2. Literature review

Since the beginning of this century, numerous scientific studies have been published about agile enterprises. Agile means not only to „move quickly and easily” (The Britannica Dictionary, 2023, p.1), but also to successfully deal with changes (Cambridge Dictionary, 2023) or to „move with quick easy grace” (Merriam-Webster, 2023, p.1). Due to the fact that today’s complex business world requires continuous adaptation to its shifting conditions, agility has become a core feature of many enterprises, regardless of their dimension and industry. As a characteristic that helps an organization to “deliver more value to customers and achieve better business outcomes” (Moreira, 2017, p.2) and “the ability of an organization to thrive in a continuously changing, unpredictable business environment” (Dove, 1991, p.19), agility encompasses not only the physical ability to operate but also the intellectual capacity to detect suitable things to act on (Dove, 2001).

In academia, the agile enterprise concept was launched in 1991 when the American Lehigh University organized a collaborative workshop entitled “21st Century Manufacturing Enterprise Strategy– An Industry Led View” (Dove et al., 1991). In spite of the fact there is no universal definition, the agile enterprise is seen as:

- “one which is able to both manage and apply knowledge effectively” (Dove, 1991, p.18).
- “the ability of an enterprise to develop and exploit its inter- and intra-organisational capabilities to successfully compete in an uncertain and unpredictable business environment” (Hooper et al., 2001, p.130).
- “the organisation’s capacity to gain competitive advantage by intelligently, rapidly and proactively seizing opportunities and reacting to threats” (Bessant et al., 2002, p.487).
- an organization that "has a continuous change culture and business processes to adapt the enterprise in response to disruptive events" (Cummins, 2009, p.23).
- "an organization’s ability to develop and quickly apply flexible, nimble and dynamic capabilities" (Holbeche, 2015, p.11).

The deployment of the Fourth Industrial Revolution has changed the way enterprises operate all over the world. The fusion of technologies is one of the main features of this revolution that has led to the emergence of a new type of enterprises, digital and agile (Toma, 2013; Schwab, 2016; Siebel, 2019). The vast majority of them are familiar with and use a plethora of distinct tools and methods in order to become and remain competitive, such as Six Sigma (Toma, 2008; Van Assen et al., 2009), balanced scorecard (Toma et al., 2010; Van den Berg et al., 2015), quality management (Toma et al., 2009; McGrath et al., 2017), lean management (Ten Have et al., 2003; Marinescu et al., 2008;), marketing mix (Grădinaru et al., 2017a; Catană et al., 2021), corporate social responsibility (Toma et al., 2011; Imbrășca et al., 2020) and organizational learning (Toma, 2012; Marinescu et al., 2013). Also, the Fourth Industrial Revolution imposes enterprises to adopt entrepreneurial thinking (Grădinaru et al., 2017b; Zainea et al., 2020), rapidly design and implement enduring strategies (Cornescu et al., 2004; Toma et al., 2015; Toma et al., 2016) and green business models (Toma et al., 2019).

Therefore, the agile enterprise concept represents a rather complex one in the business literature. Some of the main characteristics of this type of enterprise are briefly displayed in the fourth section of the paper.

3. Research methodology

To reach the aims of the paper, the author used a qualitative research method based on a desk research exploration. The desk research was based on the investigation of various secondary sources through the deployment of a broad literature review. In this respect, the author identified and classified several articles and books found in Romanian libraries (e.g., the Central University Library Carol I of Bucharest) and electronic databases (e.g., Emerald Insight). Then, he analyzed, synthesized the data and, wrote the paper.
4. Findings

After carrying out the literature review, the author succeeded in reaching some interesting results. He identified the following main features of the agile enterprise:

- Enterprise agility has three cornerstones:
  - The well-timed awareness that changes should be performed, facilitated by concentrated knowledge management processes.
  - The effective hierarchization and choice-making from several competing variants, facilitated by value-propositioning skills.
  - The response ability which represents the capacity of changing business processes and customizing responses in due time (Dove, 2005).
- There are several key characteristics of an agile enterprise. Efficiency and flexibility are among them (Figure no. 1).

*Figure no. 1. Key characteristics of agile enterprises*

An enterprise may become agile by achieving the balance between the adaptation approach and the innovative approach (Figure no. 2). On the one hand, the innovative capacity allows an enterprise to change the environment. Thus, it may become a disruptive force within the marketplace. On the other hand, the enterprise has to adapt itself to the market changes.
As a business organization, the agile enterprise has to be able to face the threats and seize the opportunities of its external environment. In this sense, it should assimilate the values and principles of the agile philosophy and implement them in its processes and activities as follows:
- an organizational culture of engaging both customers and employees;
- a learning organizational culture;
- accurate knowledge management;
- focus on the desired business outcomes;
- continuous delivery of valuable products and/or services;
- building projects around motivated people;
- sustainable development;
- ability to manage change;
- adaptive capacity;
- quickness in decision-making;
- technical excellence;
- good design;
- accelerated innovation;
- speed;
- simplicity;
- self-organizing work teams etc. (Holbeche, 2015; Moreira, 2017).

In order to rapidly adapt to disruptive phenomena, the top management of an agile enterprise should have a new way of business thinking. As agility requires a new business paradigm, technology plays a fundamental role in its processes and activities. This is why the agile enterprise uses and implements specific configurations and methods, such as service-oriented architecture (SOA), model-driven architecture (MDA), and business process management (BPM).

The above-mentioned characteristics illustrate that agile enterprises may become successful business organizations in a highly turbulent global business world.
5. Conclusions

In the last decades, agility has been a topic of interest for many researchers and practitioners from various domains. Consequently, agility has become a quintessential characteristic of many enterprises all over the world, irrespective of their size and industry, operating in a constantly changing environment.

The paper contributes to a better understanding of the agile enterprise concept. Also, it briefly illustrates some of the key features of agile enterprises that led to their expansion worldwide.

This research may be widened by future studies that can emphasize other characteristics of agile enterprises.

6. References

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