

# Lessons from implementing the balanced scorecard in a small and medium size manufacturing organization

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## Abstract

The UK manufacturing sector is facing massive challenges to survive in today's global and volatile marketplace. In an attempt to overcome these challenges, companies are adopting newer management systems to clarify their vision and strategy and translate them into action. The balanced scorecard (BSC) is one such approach which is gaining significant interest, especially within the small and medium size enterprises (SME). In this paper, a case study with a SME demonstrates how BSC can be implemented successfully using a systematic and structured methodology. This paper lists the experimental results of the proposed deployment method and highlights the experiences, successes and lessons learnt during the implementation process. In conclusion, this research exercise confirms the validity and usefulness of the proposed methodology and offers managerial insights and guidelines for similar implementations.

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## 1. Introduction

The key to achieve a state of continuous improvement is dependent on the ability to measure consistently and constantly the performance of key processes within an enterprise (Braam and Nijssen, 2004). Many organizations have realized the importance of constant and consistent measurement and have adopted a variety of performance measurement systems (PMS) over the last few years (Prajogo and Sohal, 2004). Due to the volatile nature of today's globalized businesses it is becoming imperative that organizations monitor their process performance, the performance of their supply chains and then align their processes to the strategic goal of the company. However, recent data suggests that only 5% of the workforce understand their company's strategy, only 25% of managers have incentives linked to their organizational strategy, 60% of organizations do not even link budgets to strategy, and

85% of executive teams spend less than 1 h per month discussing strategy (Kaplan and Norton, 2001).

These and other research findings help to explain why the balanced scorecard (BSC) approach is regaining a considerable momentum in practice as well as in theory. There is a vast amount of literature on this topic, listing the success stories of companies in a variety of business sectors. It is estimated that around 60% of the fortune 1000 companies in the United States have either adopted or are familiar with the BSC concept (Silk, 1998). Several other studies conducted by Malmi (2001) and Rigby (2001) support this claim with a varying degree of adoption rates. Even though these studies claim to support the argument that BSC is widely used in industry, they fail to point out the fact that, this adoption is mainly in large companies. In addition to this fact, there is very limited systematic research done on BSC applications in small and medium scale enterprises (SME). One of the major knowledge gaps within the implementation process is the difference in opinion about the defining characteristics of the BSC concept.

In a recent contribution, the founding fathers of BSC state that companies 'claim to have a BSC because they use a mixture of financial and non-financial measures' (Kaplan and Norton, 2001). Kaplan and Norton argue that the concept of BSC transudes far beyond this 'limited and

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narrow' view. Both researchers emphatically argue that BSC is not a static concept but a dynamic tool aimed to consider spread, content, implementation, applications as well as the individual user's experiences, expected benefits and satisfaction. In their recent book, Kaplan and Norton (2001) have developed a framework for the implementation of the BSC strategy. The balanced scorecard, originally seen by Kaplan and Norton as a measurement tool, is now presented as a means for implementing strategy by creating alignment and focus. The presented approach is extremely detailed and complex. It requires a major commitment and effort from the implementer (company). Though Kaplan and Norton claim that this framework can be adopted by smaller organizations, they offer no practical solution to implement BSC within an SME environment, where limited resource and expertise are a key issue. Tackling this issue, this paper highlights the ambiguity of the BSC concept in the theoretical literature and provides a structured, unbiased and methodological approach to implementing BSC within SMEs using an exemplar from a SME manufacturing organization.

## 2. Theory of the balanced scorecard

The balanced scorecard (BSC) approach was first identified and implemented by Kaplan and Norton as a performance management tool, following a 1-year multi-company study in 1990. Its aim was to present management with a concise summary of the key performance indicators (KPI) of a business, and to facilitate alignment of business operations with the overall strategy. Kaplan and Norton were keen to provide a medium to translate the vision of the company into a set of clear objectives. These objectives could be translated into a system of performance measurements that effectively communicated

a powerful, forward-looking, strategic focus to the entire organization.

Kaplan and Norton were motivated by the fact that companies mainly relied on traditional financial accounting measures (like the ROI and payback period) to determine a 'narrow and incomplete picture of business performance'. As a result, they suggested that financial measures be supplemented with additional indicators that reflected customer satisfaction, internal business processes, and the ability to learn and grow. Their BSC was designed to complement 'financial measures of past performance with measures of the drivers of future performance' (Kaplan and Norton, 1996). It can be clearly seen that their intention was to keep score of a set of Key Performance Indicators (KPIs) that could maintain a balance between short and long-term objectives, between financial and non-financial measures, between lagging and leading indicators, and between internal and external performance perspectives. By adopting such a 'holistic' view Kaplan and Norton hoped that managers, who were traditionally being overwhelmed with data, would spend more time on decision making rather than on data analysis.

The original balanced scorecard design identified the following four perspectives: the financial perspective; the customer perspective; the internal-business-process perspective; and the learning and growth perspective. These perspectives represent three major stakeholders of any business (shareholders, customers and employees), thereby ensuring that a holistic view of the organization is used for strategic reflection and implementation. The success of these perspectives depends on the fact that the perspectives themselves and the measures chosen have to be consistent with the corporate strategy.

BSC requires that KPI be classified into four perspectives as shown in Fig. 1 below. It requires that companies categorize its KPI in these four boxes and develop

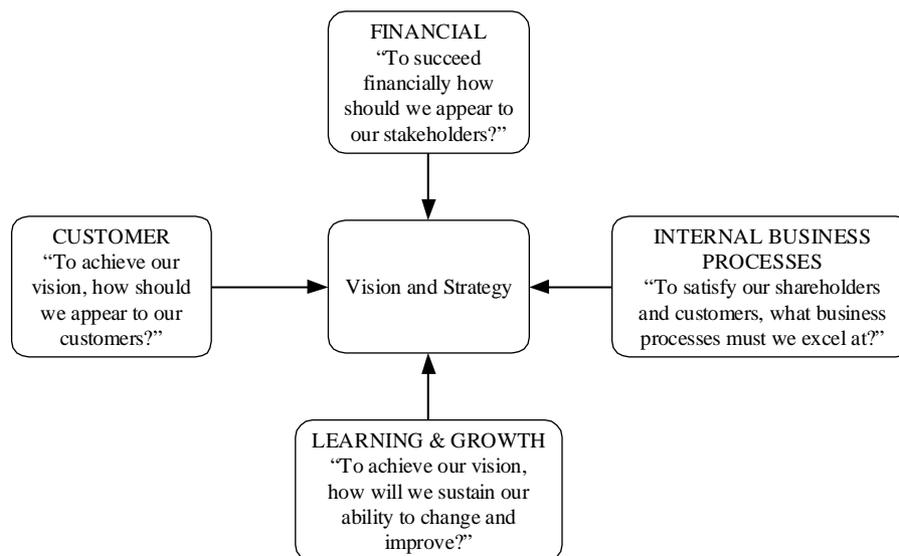


Fig. 1. Kaplan and Norton's balanced scorecard framework (Kaplan and Norton, 1996).

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