



Total Security Management: A 20-year-old Concept Revived

DR. EDWARD MARCHEWKA

Background



Agenda

- ▶ TQM Review
- ▶ Evolution of TSM
- ▶ TSM vs TQM
- ▶ Overcoming Criticism
- ▶ Principles of TSM
- ▶ Implementing TSM

The Origins of TQM

- ▶ TQM emerged in the early 20th century, with roots in quality control ideas of Frederick Taylor.
- ▶ Key figures like W. Edwards Deming introduced statistical quality control to Japanese manufacturers.
- ▶ Post-WWII, TQM became a global movement, focusing on continuous improvement and customer satisfaction.

TQM in Practice

- ▶ TQM transformed industries by embedding quality into every process.
- ▶ Examples like Toyota's Production System showcase the success of TQM principles.
- ▶ TQM principles: Continuous improvement, customer focus, process-centered approach, and employee involvement.

The Evolution of TSM

- ▶ TSM evolved as a systematic approach to integrating security into all business processes.
- ▶ Similar to TQM, TSM focuses on proactive security measures embedded from the start.
- ▶ TSM has been adapted across various sectors, addressing modern security challenges.

TSM vs. TQM: A Comparative Analysis

- ▶ Both TSM and TQM emphasize continuous improvement and employee involvement.
- ▶ TQM focuses on quality for customer satisfaction; TSM focuses on security to protect assets and operations.
- ▶ TSM moves from reactive to proactive security, integrating it into the organizational culture.

The Modern Security Landscape

- ▶ Security threats are increasingly complex, including cyber threats, data breaches, and insider risks.
- ▶ Traditional security approaches are reactive and often inadequate against evolving threats.
- ▶ TSM offers a comprehensive, proactive approach to address these challenges.

Overcoming Criticisms of TSM

- ▶ Complexity: TSM requires effort, but the long-term benefits outweigh initial challenges.
- ▶ Measurement: Security effectiveness can be measured with the right metrics, like incident response times.
- ▶ Cost: The cost of security breaches far exceeds the investment required for proactive TSM measures.

Core Principles of TSM

- ▶ Holistic Security Integration: Embed security into every organizational process.
- ▶ Continuous Improvement in Security: Regularly assess and update security measures.
- ▶ Employee Involvement and Training: Ensure everyone understands and practices good security.
- ▶ Data-Driven Decision-Making: Use metrics and analytics to guide security actions.
- ▶ Cross-Functional Collaboration: Security must be integrated across all departments.

How TSM Enhances Organizational Resilience

- ▶ TSM builds a security culture that is proactive, resilient, and adaptive.
- ▶ It reduces the risk of breaches and enhances overall organizational resilience.
- ▶ TSM helps organizations quickly recover from incidents, minimizing impact.

Starting Your TSM Journey

- ▶ Assessment and Planning: Begin with a thorough assessment of current security measures.
- ▶ Develop a Security Framework: Align it with TSM principles and tailor it to your organization.
- ▶ Training and Communication: Regular training sessions and clear communication channels are key.
- ▶ Monitoring and Improvement: Continuously monitor security measures and make data-driven improvements.
- ▶ Integration with Business Goals: Ensure TSM supports and aligns with broader business objectives.

Achieving a Secure Future with TSM



- ▶ TSM is about more than just preventing breaches—it builds a culture of security.
- ▶ It turns security into a strategic asset that supports business goals.
- ▶ Start your TSM journey today to secure your organization's future.

Conclusion and Key Takeaways



- ▶ TSM integrates security into every process, making it a continuous part of operations.
- ▶ It offers a proactive approach to security, essential in today's complex threat landscape.
- ▶ Implementing TSM can enhance organizational resilience and secure your future.

Q&A

- ▶ Dr. Edward Marchewka
- ▶ edward@marchewka.org
- ▶ www.linkedin.com/in/drmarchewka/