
Unit 2: Unit 2: Threat Modelling Exercises

Peer Response 1: The Risks of Digitalisation

In reply to Rocio Altair Perez Liou

by Andrius Busilas - Wednesday, 26 June 2024, 1:20 PM

Peer response

Hi Rocio,

Your explanation of Industry 4.0 as the integration of digital technologies into manufacturing and industrial processes, leading to smart factories and enhanced business models, provides a clear overview of this transformative concept (Rawat, 2024; Liao et al., 2017; Zhou et al., 2016). You effectively highlight how technologies like IoT, cloud computing, big data, and artificial intelligence are pivotal in reshaping operations across industries.

Your real-world examples of Ghost Autonomy and Anki illustrate significant risks associated with Industry 4.0 implementation (Failory, 2023). Ghost Autonomy's financial risk and market dynamics challenges, alongside Anki's technological transformation issues and market dynamics, underscore the complexities and vulnerabilities businesses face in adopting and sustaining advanced technologies.

Regarding the challenges for SMEs in adopting Industry 4.0, Friedrich-Ebert-Stiftung (2016) provides insights that complement your observations. The study emphasizes the difficulties SMEs encounter in evaluating and integrating sophisticated technologies due to resource constraints and the lack of standardized interfaces. This aligns with your point about the methodical approach and resource limitations SMEs face in navigating Industry 4.0 (Sommer, 2015b).

It's intriguing to note the contrast between the potential benefits of Industry 4.0 and the practical challenges encountered by SMEs in leveraging these technologies effectively. Your article effectively bridges these discussions, offering a comprehensive view that integrates theoretical insights with practical examples.

Overall, your exploration of Industry 4.0 and its implications is well-rounded and insightful. It would be interesting to delve deeper into specific strategies or case studies where businesses have successfully navigated these challenges or failed to do so, providing valuable lessons for future implementations.

