

### **Discussion 1: Initial Post**

According to (Kovaitė and Stankevičienė, 2019), the term Industry 4.0 refers to an industry that is being transformed through technological innovations. These can include the Internet of Things (IoT) and artificial intelligence (Kovaitė & Stankevičienė, 2019). Small to Medium enterprises, however, face increased issues, as they may not be able to meet the challenges posed by this transformation (Kovaitė & Stankevičienė, 2019). Factors increasing the success chance of SMEs in this transformation include their technological capabilities, their financial resources and the personal connections of their employees and management personnel (Kovaitė & Stankevičienė, 2019).

A major risk stemming from the increased use of technology in key areas of the business include cyber attacks. Especially SMEs have the problem that cyber attacks are often confused with technical errors in the production systems (HON, 2024).

An example of a well-known cyber attack which targeted industrial systems is the Stuxnet attack in 2009. The malware was introduced into an enrichment facility producing nuclear material for the Iranian nuclear program, destroying the centrifuges (Trellix, 2024). This was one of the first examples of a malware targeting industrial systems.

Different sources agree on the views expressed by Kovaitė and Stankevičienė. For example, a study about SMEs in Indonesia indicates that personal networking plays an important role in the success of SMEs in Industry 4.0 (Yudiasuti and Sudarmiatin, 2021).

### **References**

HON (2024) How Cyber Security and Industry 4.0 are connected. Available from: <https://hon.it/cyber-security-industry-4-0/> [Accessed 24 July 2024].

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Yudiasuti, A. & Sudarmiatin (2021) Network Perspective In The Internationalization Of Indonesian SMEs In The Era Of Industrial Revolution 4.0. *International Journal Of Science, Technology & Management*. Available from: <https://www.ijstm.inarah.co.id/index.php/ijstm/article/view/242/587> [Accessed 24 July 2024].