





By its very design, the Smart Factory is exposed to increased vulnerabilities in the manufacturing process due to its integration into an interconnected supply chain and further, connection to the internet. The more devices that are connected to the internet, the higher the possibility for data security incidents causing data theft/deletion, sabotage or even business interruption. This raises important questions about cyber security. According to a global PwC survey with 2.000 participants in 9 major industrial sectors across 26 countries, more touchpoints for data collection and exchange in the production process also increase the potential for data-security breaches. In a range of 9 concerns around data security, operational disruption (business interruption) as a consequence of data security breaches was ranked by far the number one priority of corporate data security (Global Industry 4.0 Survey, PwC (2016)).

As outlined in the previous article the risk of business interruption due to internal data security breaches or resulting from external attacks must be mitigated in the first place by implementing and enforcing a sophisticated and appropriate cyber risk governance programme throughout the organisation. This may be a significant step towards reducing potential sources that might cause business interruption resulting from data security breaches.

In history, any technological advancement is always associated with unknown risk and uncertainties. In the material world, major industrial projects could only be realised by the support of appropriate risk cover given by the global insurance industry. In the case of Industry 4.0, this is not different. The path for Industry 4.0 will therefore only be continued by innovative producers in the given supply chain if risks emerging from the convergence of the material and virtual worlds are protected by the insurance industry. To support this process and enable the achievement of the potential in Industry 4.0, insurers need to adapt to the new risk exposures and provide the manufacturing industry with adequate solutions for risks that may still prevail despite the proactive and diligent application of measures to eliminate threats.