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# EPSC Webinar

Thursday 04<sup>th</sup> July 2024

15:00 – 16:00 (CEST)

13:00 – 14:00 (GMT)



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## iaHAZOP: Digital Twin-based Risk Management

Today, industry is facing major challenges, such as fluctuating market demands, turbulence in supply chains, new requirements for energy efficiency or a shortage of skilled workers. The most important measures to successfully meet these challenges include automation and digitalization, also for safety and risk management.

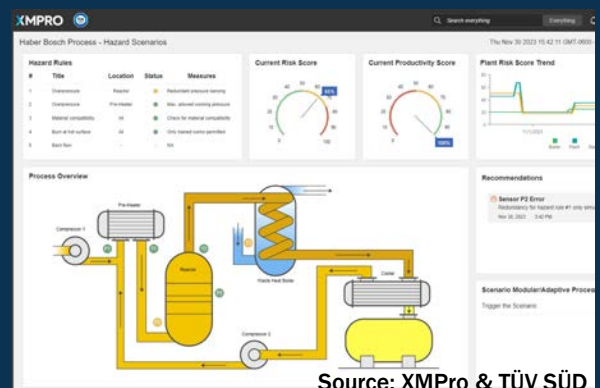
With “interactive HAZOP” (iaHAZOP), TÜV SÜD has developed a method that enables predictive runtime risk management as well as virtual risk assessment in planning phases. This improves the transparency of the situation, and thus supports safety critical decision-making. Ultimately, this increases uptime or leads to a faster time-to-market, in the case of modular plants.

### Aspects to be discussed in an interactive setting

- Benefits of Digital Twin-based risk management
- Concept underlying the iaHAZOP methodology
- Application scenarios
- Possible project setups



Source: Merck Group



Source: XMPRO & TÜV SÜD

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