Fully deployed in an enterprise. Operatively applied in other industries, but not yet in the chemical industry.

- Digital twin
- Blockchain
- IoT platform
- Machine learning
- 5G network
- Smart virtualbots/assistants (including chatbots)
- IT-security technologies (e.g., SASE)
- Data lake
- Cloud
- Digital collaboration
- Natural language processing
- Robotic process automation
- Intelligent actors and sensors in plants
- IoT platform
- Video analytics and image recognition
- Predictive and prescriptive analytics
- Intelligent ERP systems
- Intelligent actors and sensors in plants
- First pilots
- Deployed in individual units
- Fully deployed in an enterprise

Number of use cases

Digital maturity

Technologies that can be implemented immediately in the metaverse
Technologies with the potential for implementation in the near future in the metaverse