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Leveraging AI to Improve Situation Awareness within Industrial Processes

Situational Awareness is a critical aspect for Industrial Processes. To make the right decision or even create the right predictions, we need to first understand what is going on inside the process itself. Hereby, we can leverage different elements from the AI portfolio starting from simple sensors, cameras, audio devices all the way to robots which can actively interacting with their environment. In this presentation, we will lay out a framework to achieve situational awareness and demonstrate autonomous production capabilities leveraging real-time AI decision making.

Biography

Dr. Juergen Weichenberger has 20 years of experience in building complex solutions leveraging advanced analytics, data science, database design, architecture and other cutting-edge technologies. Working in the AI industry since the mid-1990s, Juergen have built solutions for various industries and leveraged various methods over time. He joined Schneider Electric in 2022 as Vice President AI New Value Stream. His focus is to produce industry grade solutions, translating the combination of core algorithms, robotic, cybernetics and human intelligence.

Previously, he worked as Senior Data Science Executive in Accenture and hold various roles related to AI and data. He holds a PhD degree in Business intelligence and new marketing methods from The Philipp University of Marburg, MBA in Executive General Management and MA in Applied Computer, bioinformatics and cybernetic from Paris Lodron Universität Salzburg