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Challenges of smart algorithms using recorded process data in order to improve production performance

Digitalization, called "Industry 4.0", defined big targets years ago. The computing and storing capacity of the computers made it possible to get a mass of high frequency, real-time data directly from machines. It was assumed, that using this big data with the combination of AI will increase the efficiency and quality of the production.

Why does today's picture look a bit different? Why do engineers stop at implantation of a "dashboard"-functionality, which displays recorded data of the production? Why it is not easy to use the data simply to increase the efficiency? Some points will be presented for having a better understanding of the root causes.

Gábor Sáfrány is the software development group lead at the company IDM-Systems Zrt and he is leading several industry software development projects. He graduated with master's (1999) degree in Mechanical Engineering and in Engineering Information Technology. He started working at in 1999, since then he takes part in several research and development projects.

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Process Control
Systems Meeting

PCS

The banner features a background image of an industrial plant at night with lights reflecting on water. The text is overlaid on a diagonal white and orange background.