

Event: PSI Presents Practical Examples and AI Applications at the Hannover Fair 2019

## Industrial Intelligence for Production and Logistics

At this year's Hannover Fair, the PSI Group is presenting integrated software solutions from the fields of production, logistics and asset service management from 1 to 5 April 2019 (Hall 7, Stand A 24). On the basis of fair scenarios, the combination of ultra-modern manufacturing and logistics concepts as well as Artificial Intelligence solutions based on the PSI framework, that have been in use by industry for years, will be demonstrated.

How industry-compatible and practice-proven solutions are implemented for the digital factory will be demonstrated using a number of scenarios. These include, along with the ERP standard solution, work management at work stations, flexible integration of production technology and equipment, as well as monitoring and visualization of the manufacturing processes. Furthermore, besides work-flow based process control, the cross-system flexibilisation of the manufacturing processes as well as the flexible timing and integration of the transport systems will be presented. In addition, Just-in-Time/Just-in-Sequence provisioning of the material (e-Kanban) and material-flow control by warehouse management are applied.



AI expert Dr. Rudolf Felix in an interview at the Hannover Fair 2018.

ware will be shown. The integration with machine-like OEM control systems serves as an example for a predictive maintenance solution on the basis of extended fuzzy logic and machine learning.

### Novelty: Deep Qualicision KI

The AI software Deep Qualicision solution will be presented as an innovation at the fair. Deep Qualicision provides qualitative labeling of business process data, which automatically learns associations in the data between process parameters and KPIs and consequently reveals additional added-value opportunities.

Based on this, AI solutions for automatic optimization of business processes will be demonstrated that work as assistance systems and decision-making support systems and can be used either in planning or for real-time scenarios. The solutions are available in the AI toolkit Qualicision and Deep Qualicision as an AI software stack. 

### Optimized order handling

In asset service management, functions for maintenance management, in particular the optimization of order handling with Qualicision PSI soft-

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