CeBIT 2017, 20th to 24th March 2017, Messegelände Hannover, Cassantec AG, Hall 11, Stand A36/6

Cassantec knows the future of machines

A journey of discovery into the digital world at CeBIT

Zurich/Berlin/Cleveland/Hanover, March 2017. Under the slogan "Global Event for Digital Business" the IT industry will gather in Hanover at the 22nd CeBIT Show from 20th to 24th March. Virtual realities, humanoid robots, artificial intelligence, the internet of things, and even life on Mars – CeBIT will escort its guests on a journey that is rather different. The hot topics of the digital world are the destination. Cassantec AG too will take visitors on a journey. The Swiss company, which has a second business address in Berlin, will exhibit in Hall 11, Stand A36/6, in the "Internet of Things" section and will introduce its Industry 4.0 solution. It has developed an algorithm, called Cassantec Prognostics, which expands predictive maintenance to include an important time-based component and answers the question when in the future a malfunction occurs. At the Cassantec stand visitors to the show can expect live demos of customer applications as well as use-case tests in which real problems of decision-makers are simulated.

Thinking about tomorrow today

Cassantec offers condition-based availability forecasts to ensure optimal management of Equipment and plants. Up until now it has only been possible, e.g. by using predictive analytics, to obtain early-warning indicators for future malfunctions. However, what the equipment operator did not learn was how much time remains before the malfunction occurs. Using process data and condition data for each component and with the aid of specially developed algorithms, Cassantec Prognostics calculates explicit time-windows, specific future risk-profiles and the remaining useful life. "The difficulty with asset management is finding the right operations and maintenance strategy for equipment on the basis of condition monitoring. We simplify these decisions by providing a condition-based forecast that determines explicit malfunction times", Moritz von Plate, CEO of Cassantec, explains. Maintenance plans can be optimised accordingly, unnecessary costs are pared down and unplanned downtime can be avoided through timely replacement of parts. The Cassantec Prognostics solution gives companies big economic advantages: downtime can be minimised and actively controlled and the remaining useful life of the unit can be actively managed. To illustrate this, at CeBIT the company will show live forecasts taken from power plants, refineries and mine operators.

Summing up, von Plate says: "With our SaaS industry solution, which uses a traffic-light system, the user gathers at one glance all data that give information regarding at what point in time a malfunction will occur with which likelihood. This forecast is possible for months and in

some cases even for years. By talking with us, visitors will be able to learn how our condition-based forecasting makes their maintenance management predictable".