

## Siemens and IBM to bring Watson Analytics to MindSphere

- **Planned integration of IBM's Watson Analytics and other IBM analytics tools**
- **Easy access to analytics through visualization and dashboards**
- **IBM's analytics technologies for data analysts via APIs**

Siemens and IBM plan to integrate IBM's Watson Analytics and other analytics tools, powered by Cognos Analytics, into MindSphere, the cloud-based Siemens operating system for the Internet of Things. MindSphere enables industrial enterprises to improve the efficiency of systems through the acquisition and analysis of large quantities of production data. The integration of IBM technologies aims to further ease the use of advanced analytics by providing visualization and dashboards for business customers and analytics tools via APIs (Application Programming Interface) for app-developers and data analysts. Siemens and IBM's goal is to couple powerful analytics technologies with the expertise in automation and digitalization of industry to help customers on the path to digitalization.

IBM's Watson analytics and other IBM analytics tools enable advanced analytics to help users in three ways: It boosts operational performance and reduces downtime by bringing intelligence to production equipment. Using data from connected machines helps to predict anomalies and failure patterns and to initiate corrective measures. It helps to improve product quality and yield using quality analytics that helps to detect the conditions that contribute to process failure and quality issues, including image and audio analytics.

To deliver these outcomes, IBM considers making a range of analytics technologies available to MindSphere, from dashboards through predictive and prescriptive analytics, to the power of cognitive analytics. Cognitive analytics has a key role to

help customers improve operational performance. User can access and analyze all types of data from sensors. They also can identify hidden connections in huge amounts of production data to help diagnose issues and draw on the resulting knowledge to continuously improve across manufacturing processes.

MindSphere can be used by industrial enterprises as the basis for their own digital services, in fields such as predictive maintenance, energy data management or resource optimization. Machine and plant engineering companies in particular can use the platform to monitor machine fleets distributed around the world for servicing purposes, to reduce standstill periods and so offer new business models.

MindSphere also provides the foundation for data-based services from Siemens such as predictive maintenance of machine tools (Machine Tool Analytics) or integrated drive systems (Drive Train Analytics).

This press release is available at

<http://www.siemens.com/press/PR2016120102DFEN>

More information is available at [www.siemens.com/mindsphere](http://www.siemens.com/mindsphere)

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income of €5.6 billion. At the end of September 2016, the company had around 351,000 employees worldwide. Further information is available on the Internet at [www.siemens.com](http://www.siemens.com).