

Microsoft Azure

CASE STUDY



MICROSOFT AZURE PARTNER:
Precimetrix Technologies

WEB SITE: www.precimetrix.com

LOCATION: Pune, India

ORG SIZE: 15 employees

MICROSOFT AZURE PARTNER PROFILE:
Precimetrix's IoT and analytics platform offers connected product solutions. Utilizing the power of Big Data and analytics, Precimetrix's solutions enable real-time process management and actionable analytics to improve productivity, efficiency, visibility, and compliance. The Precimetrix platform is natively built on Microsoft Azure.

Microsoft Azure IoT Hub Capabilities Produce Operational Monitoring at Manufacturing Plant

“Thanks to Microsoft Azure IoT Hub, Precimetrix Plant Monitoring and Maintenance System was able to improve competitiveness for the powertrain division of a leading European automobile manufacturer through real-time monitoring.” – Ashish Nene, CEO, Precimetrix Technologies

• SITUATION

A Precimetrix customer in the automobile manufacturing industry wanted an automated, cloud-based IoT and analytics solution that measured machine and production losses. The customer hoped to increase production and improve equipment and operator efficiency. In order to meet the customer's request, Precimetrix needed access to various IoT tools and components to employ in addition to its own.

• SOLUTION

Precimetrix used Microsoft Azure to enable the Precimetrix Plant Monitoring and Maintenance System. Precimetrix incorporated Azure Stream Analytics, Azure App Service, Azure SQL Database, Azure Storage, and Azure Scheduler. At the manufacturing plant, the system gathered and pushed operational data from CNC machine lines via Azure IoT Hub in order to monitor line disruptions and provide alerts to avoid operational losses. It also calculated labor effectiveness and equipment effectiveness for the production line.

• BENEFITS

Microsoft Azure IoT Hub makes it possible for Precimetrix to develop and customize its own IoT implementations.

The ability of Azure Scheduler to switch to alternative datacenters means it can maintain scheduled jobs even during computer or network failures.

