

# Microsoft Azure

## CASE STUDY



**MICROSOFT AZURE PARTNER:**  
Precimetrix Technologies

**WEB SITE:** [www.precimetrix.com](http://www.precimetrix.com)

**LOCATION:** Pune, India

### **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.

# Implementations of Microsoft Azure IoT Hub Enable Monitoring of 100,000 Smart Streetlights

**“Thanks to Microsoft Azure IoT Hub, the Precimetrix Asset Monitoring and Control System is able to power India’s first smart street lighting project for Jaipur, thereby delivering energy savings through reduced consumption.” – Ashish Nene, CEO, Precimetrix Technologies**

## • **SITUATION**

Jaipur Municipal Corporation wanted to operate a lighting network, provide a public grievance system, and reduce energy consumption. Precimetrix partner Samudra LED provided a solution to install and maintain more than 100,000 smart streetlights, reducing greenhouse gas emissions by about 36,750 metric tons per year and saving about \$1 million per year. Precimetrix was responsible for a monitoring and management solution.

## • **SOLUTION**

Precimetrix used Microsoft Azure IoT Hub to power the Precimetrix Asset Monitoring and Control System, which manages the streetlights. Precimetrix incorporated Azure Stream Analytics, Azure App Service, Azure SQL Database, Azure Storage, and Azure Scheduler. The Precimetrix system has a location-based ticketing component for servicing and repairs, and it's integrated with the billing system to manage consumption-based invoicing to Jaipur Municipal Corporation.

## • **BENEFITS**

Microsoft Azure IoT Hub enabled Precimetrix to develop and customize its own IoT implementations.

Azure Stream Analytics analyzes data from sensors in physical objects, allowing Precimetrix to manage the streetlight system.

