



Bosch: Sustainability transformation with digitization, AI and IoT



Why Google Cloud

In today's business landscape, integrating sustainability into core operations is essential. This requires data-driven optimization and real-time interventions. To tackle this challenge, Bosch is leveraging digital solutions within a connected ecosystem. Using Google Cloud solutions, Bosch SDS pioneers innovative sustainability-driven initiatives for businesses globally.

Solution

Connected assets enable AI-based data-driven decisions to facilitate real-time actions, unlocking the full potential of various technology stacks. Bosch SDS aims to leverage different Google Cloud products and services, such as [Kubernetes](#), to help manage the life cycle and scalability of solutions deployed across multiple regions, [BigQuery](#), to build an efficient AI-based cognition engine for real-time insights and actioning, and [Firebase](#), to alert and notify specific user roles for any events.

About Bosch SDS

Bosch SDS is one of the world's leading global suppliers of technology and services, offering end-to-end engineering, IT, and business solutions.

Industry: Retail & Manufacturing

Location: India, Germany, Mexico

Impact

- **12% energy cost savings** via chiller sequencing & set point improvements
- **Real-time response** to indoor comfort conditions via automated alerting & actioning
- Better use of renewable energy by **forecasting energy & utility demand**

“The sustainable use of finite resources is top of mind for us. **Sensors, data and AI are key to help use energy more efficiently and responsibly.** Working with Google Cloud supports Bosch SDS' vision to **pioneer innovative sustainability-driven initiatives for businesses globally.**”

Kai Hackbarth, Head of Products and Solutions Europe, Bosch SDS