

## Alascom APM



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## DESCRIPTION

The APM (Advanced Plant Monitoring) application facilitates the interfacing and monitoring of a plant. It allows you to extract data from different devices like FANUC robot, FANUC CNC, PLC and energy meters, presenting data on Microsoft Hololens, web application and mobile app. Microsoft Hololens application is enriched with an AI able to understand user's speech to show graphics and reports. Users for instance can ask about alarms, production in a period of time, OEE and the information will be shown on the holographic Hololens interface. Web application provides real time control of the monitored devices and of their history. Users can set up thresholds, select intervals of time and produce reports. The mobile app is equipped with an AI able to produce reports from query submitted by user in natural language (e.g. "which is the production of machine A in the last two days?") showing them on the mobile phone.

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## KEY BENEFITS

- Show real time data from devices
- Multimodal frontend
- Support operator with artificial intelligence based conversational agent
- Innovative interface based on holograms
- Availability
- Reporting
- Monitoring
- Customisation

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## KEY FEATURES

- **AI technology:**

Our application is equipped with an AI that understands what a user says to create a simple and intuitive communication with him

- **Augmented reality:**

The application supports microsoft Hololens to visualise on an holographic interface the devices connected in realtime for monitoring.

- **Availability:**

The application provides different frontend (web application, Hololens, mobile app) to maximise easiness of use. The user can choose one of the above modes interchangeably.

- **Monitoring:**

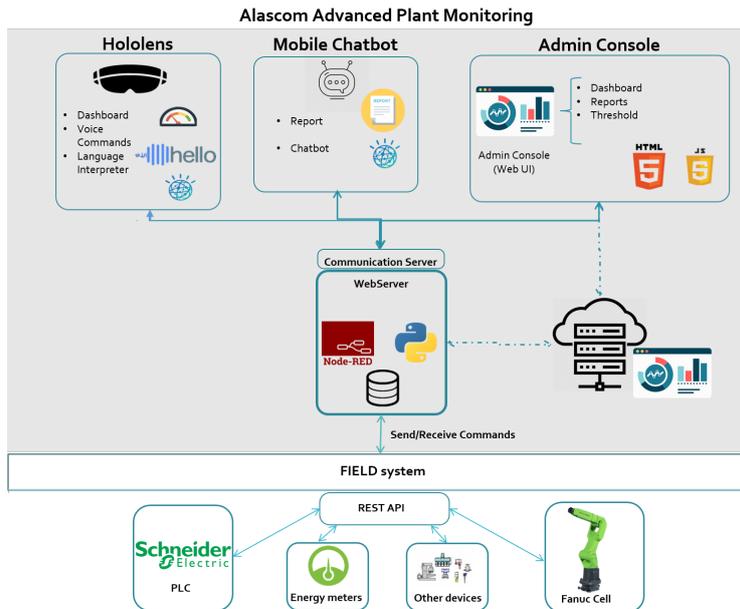
The connected devices are monitored in real time and the data are historicised for analysis and reporting. The system manages the consistency and availability of the data in a transparent way to the user.

Reporting is created quickly and easily. It is sufficient to query in natural language the AI of the system to obtain complex reports.

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## APP PREVIEW



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