Bringing value to Facility Management with IoT

Získejte **know-how**
o nákladech na správu budov.

IFMA Czech Republic Chapter
International Facility Management Association

Bringing value to Facility Management with IoT

Be more effective in big data management with Smart IOT Integration, saving budget for:
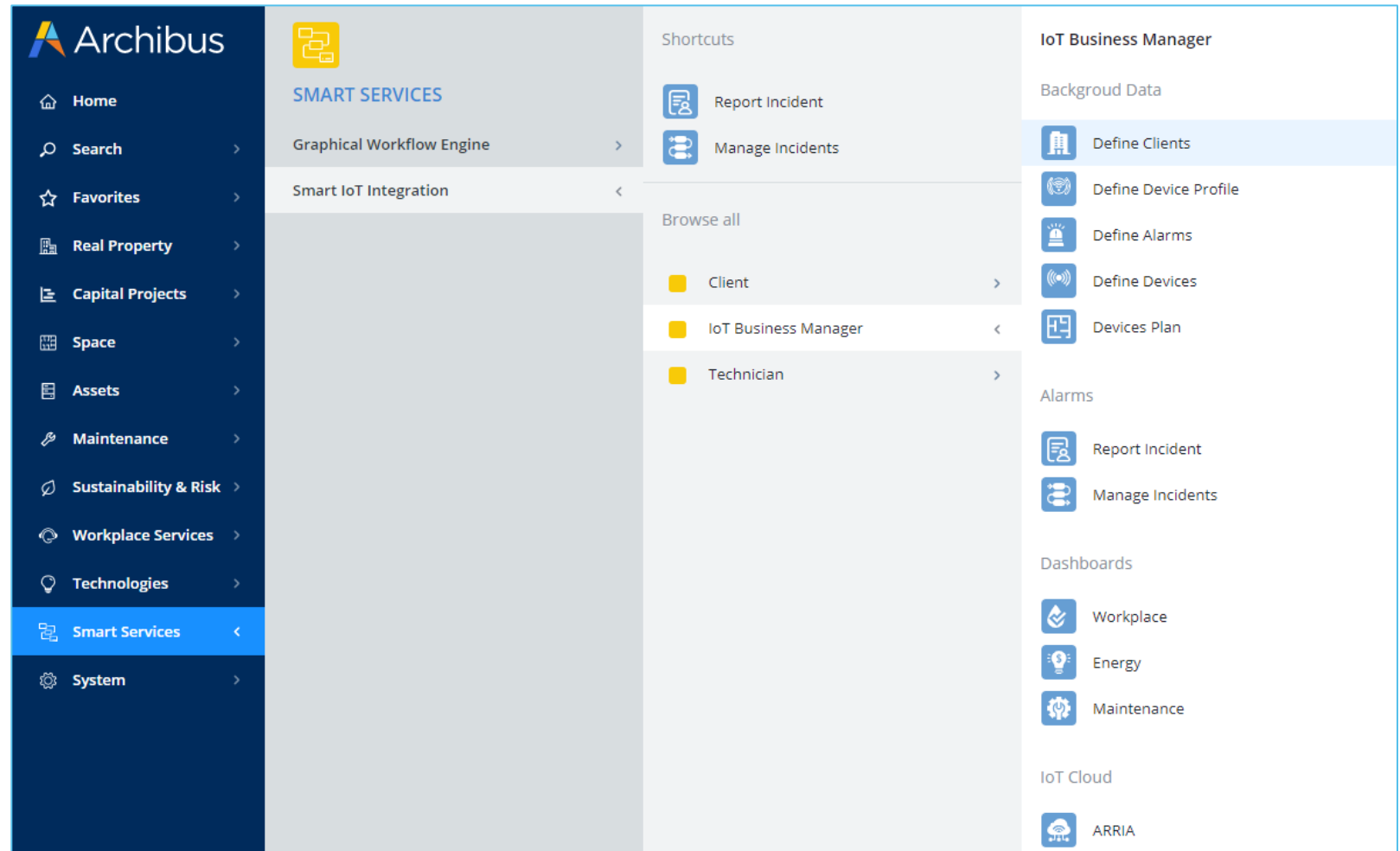
➤Maintenance

➤Energy

➤Workplace

Empower ARCHIBUS **competitive advantage** by **leveraging IOT data** in building management

- Single point to **monitor & control** your building data

- **Real-time data** for space/assets/equipment allocation/use

- **BMS/ sensors integration**, despite the diversity of proprietary and off-the-shelf data protocols

- **Control** functionality for devices, not only for BMS **(budget savings)**

- **Real-Time and configurable Dashboards** for Consumption/ Comfort/Occupancy

- **Automatic alarms** based on sensors threshold

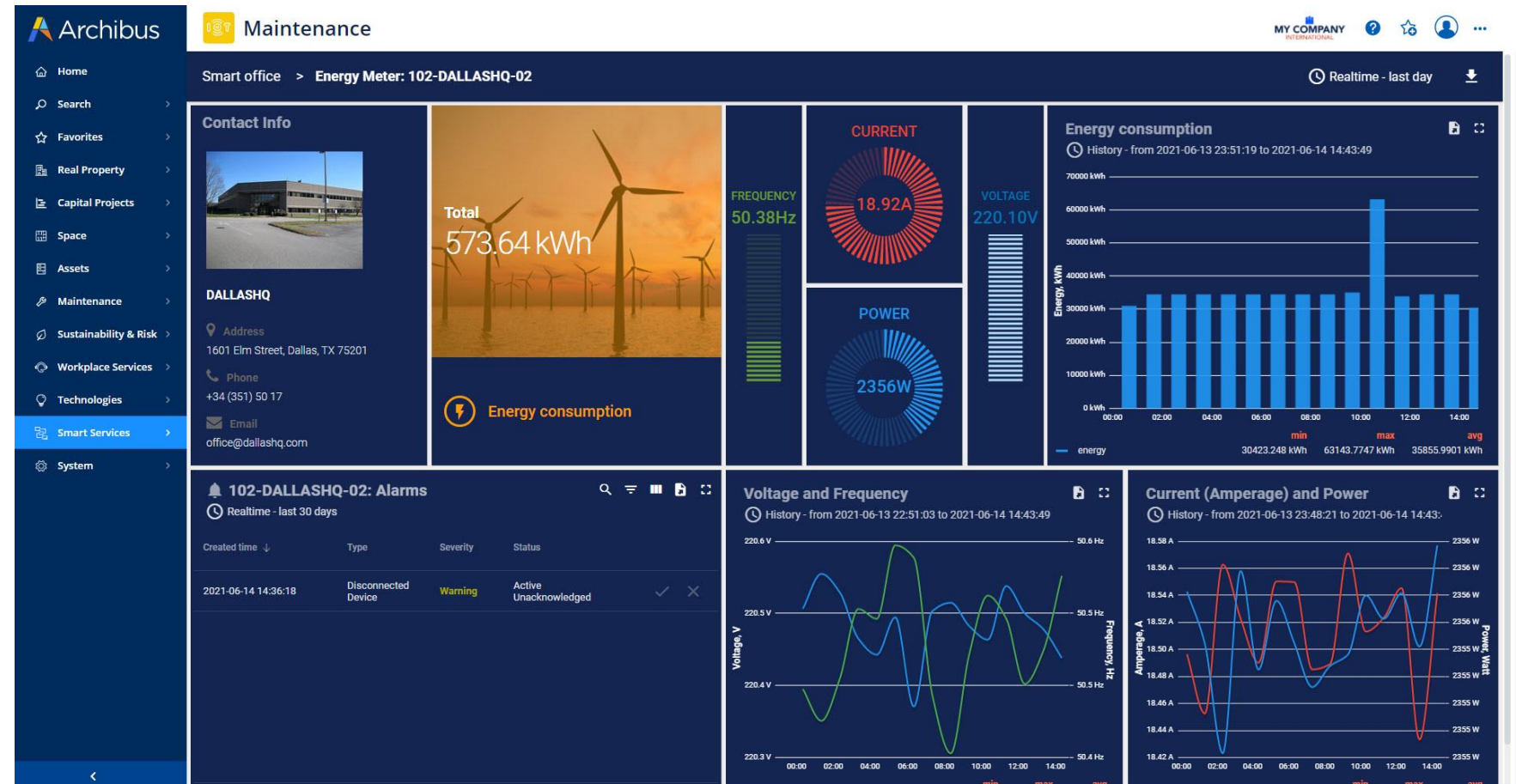- **Configurable intervention workflows**

ARCHIBUS Smart IoT Integration add-on

Provides integration
between

ARCHIBUS and

ARRIA IoT Cloud and

uses GWE processes

to initiate incidents and
update back
parameters on
completion

IoT Dashboards

- Monitor energy consumption, indoor air quality or BMS alarms directly from your ARCHIBUS interface
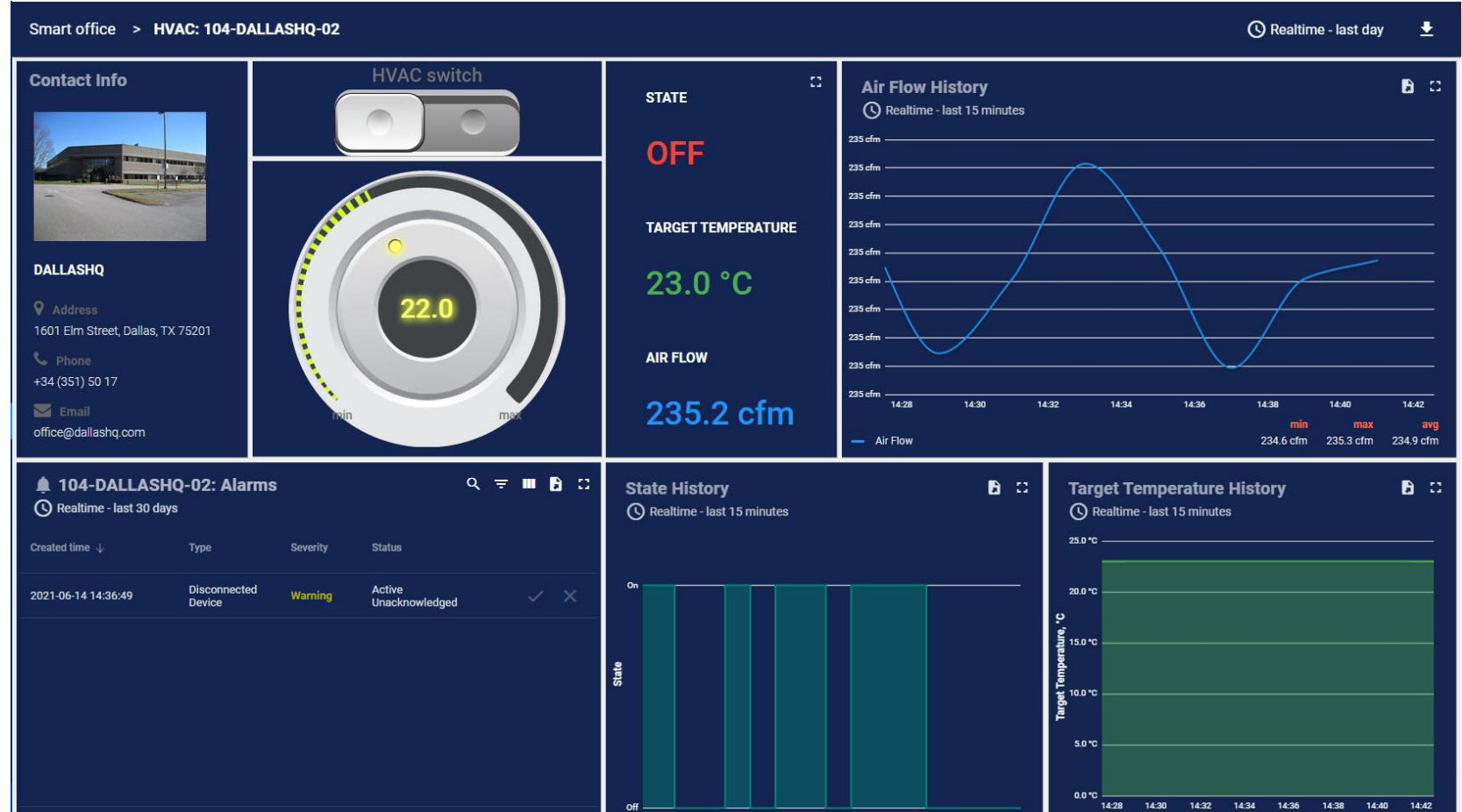
Cost effective BMS / IoT integration

- GWE 4 IoT allows you to integrate in

- ARCHIBUS data from

- different BMS/ sensors

- **despite the diversity of proprietary and off-the-shelf data protocols**

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Bidirectional integration with BMS
Remote control BMS from Archibus

- **Smart IoT allows you the remote control of all your BMS/ smart meters** directly from your ARCHIBUS platform

- Instantly **notify users** and / or operators about any critical events or unusual consumption levels
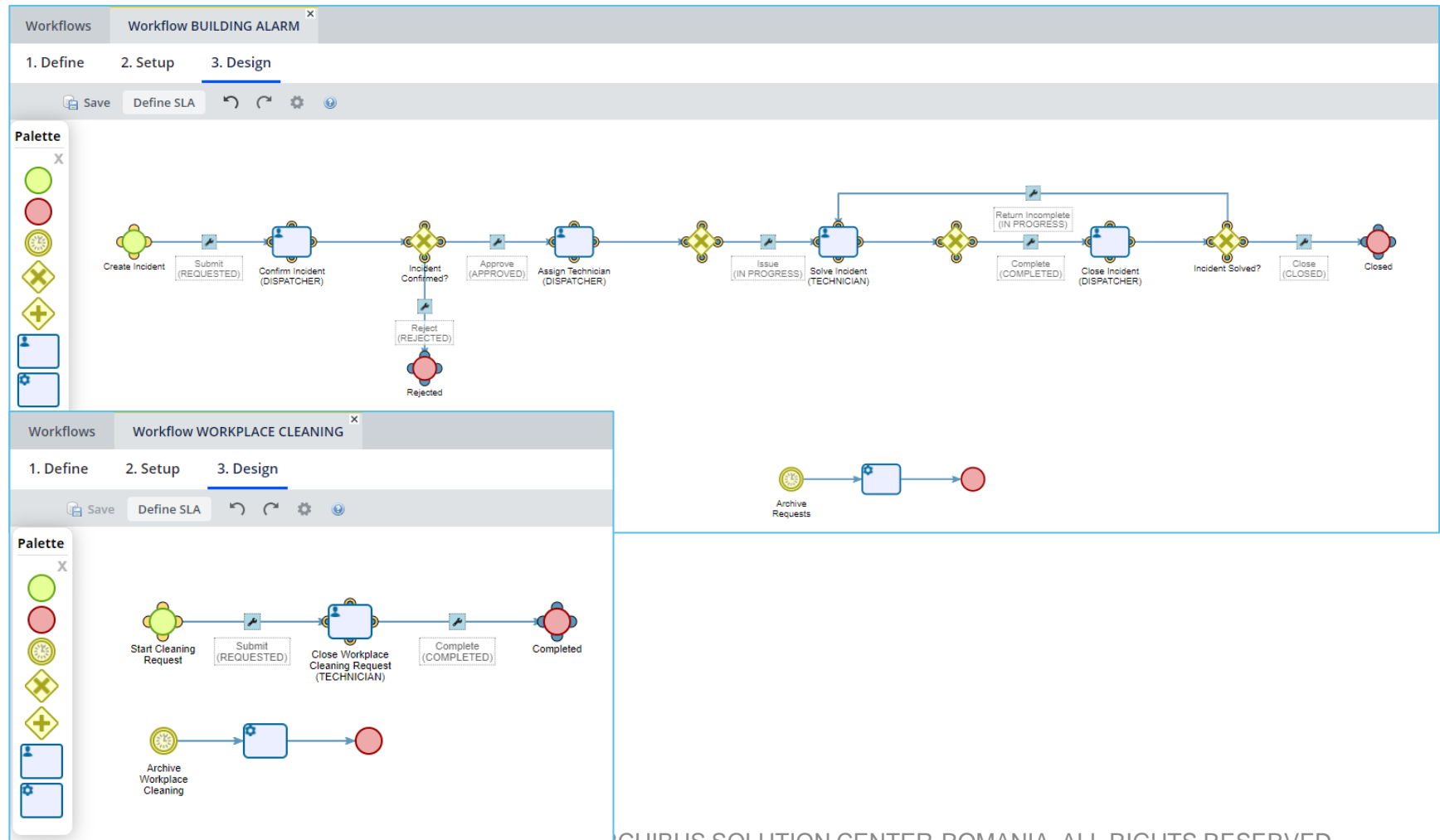
BMS Alarms trigger work requests or initiate GWE Workflows based on parameter change

- **In case a parameter changes outside the normal values, ARRIA will automatically launch a**

- **Work Requests or a GWE workflow**

- to designated Facility Management professionals

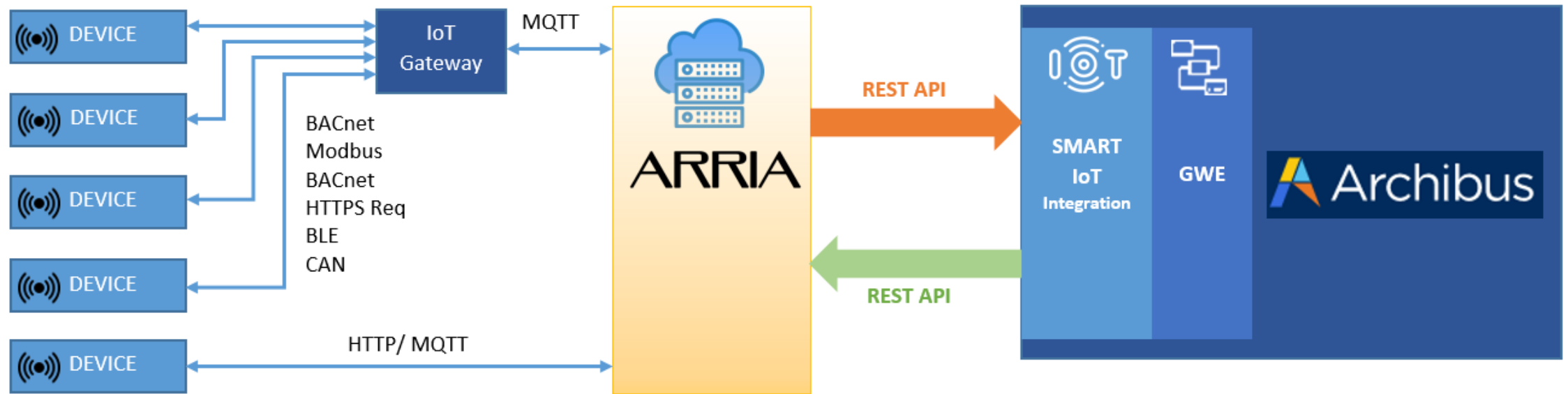- As a result of the automation, SLA's will be enforced

Manage Requests	Archived Requests	Building Alarm ✕

Alarm Details   Reject   **Approve**   Action Log   Diagram

Request ID 93   Requested By AFM   Status REQUESTED ▾

Date Requested 1/25/2021   Time Requested 10:13 PM   Building Code LX

Priority High ▾   Subject* High Temperature

Description* Device 91-LX-00 temperature: 49°C. Created via ARRIA IoT app.

Work Request   ⤢ ✕

Problem

Work Request Code 1150004221   Problem Type TEMP. ADJUSTMENT

Description Device 91-LX-00 temperature: 49.5°C. Created via ARRIA IoT app.

Problem Location

ARCHIBUS
AUTHORIZED
SOLUTION CENTER
ROMANIA

GWE processes:
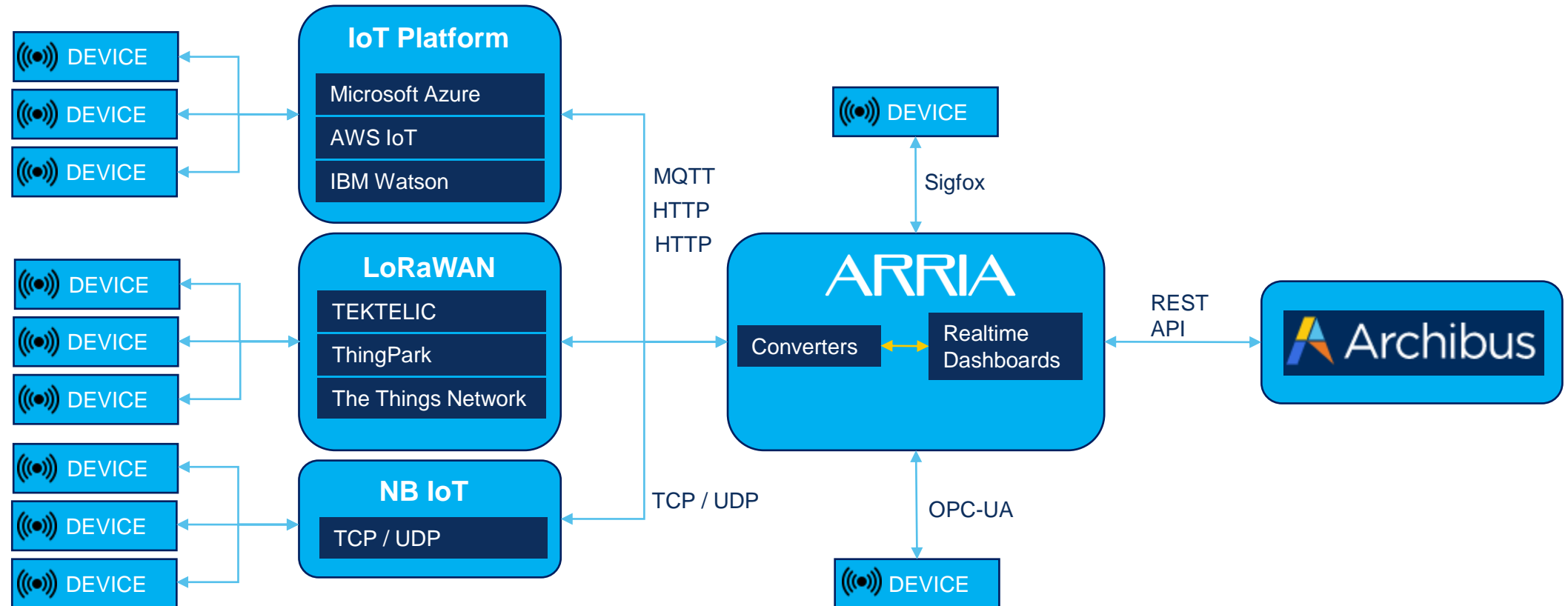# Building Alarms and Workplace Cleaning

- Graphical Workflow Engine add-on provides processes required to initiate and solve incidents.

- e.g. ARRIA triggers an alarm which generates an incident in GWE and when the request is completed the GWE will update the status in the ARRIA platform)

System architecture

Platform Integration

Demo Use Cases

- **I: Energy**
  - Energy Manager monitors from Archibus dashboards the energy consumption data in real-time and decide to involve maintenance manager in order to find saving measures

- **II: Workplace**
  - Comfort & wellbeing: Workplace Manager monitors the temperature & air quality and adjusts parameters
  - Real-time space allocation and cleaning: Upon a workplace reservation, occupancy sensors integrated in the floor plan show real-time occupancy and release occupancy in case of employee absence. After workplace use, the space becomes available only after the cleaning task is confirmed

- **III: Maintenance**
  - Facility Manager monitors IoT parameters and decides to remotely adjust the temperature in one location
  - Alarms are automatically send if parameters exceed the optimal value
  - Alarms trigger a maintenance Work Request

If interested in Smart IoT Integration, please contact us:

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