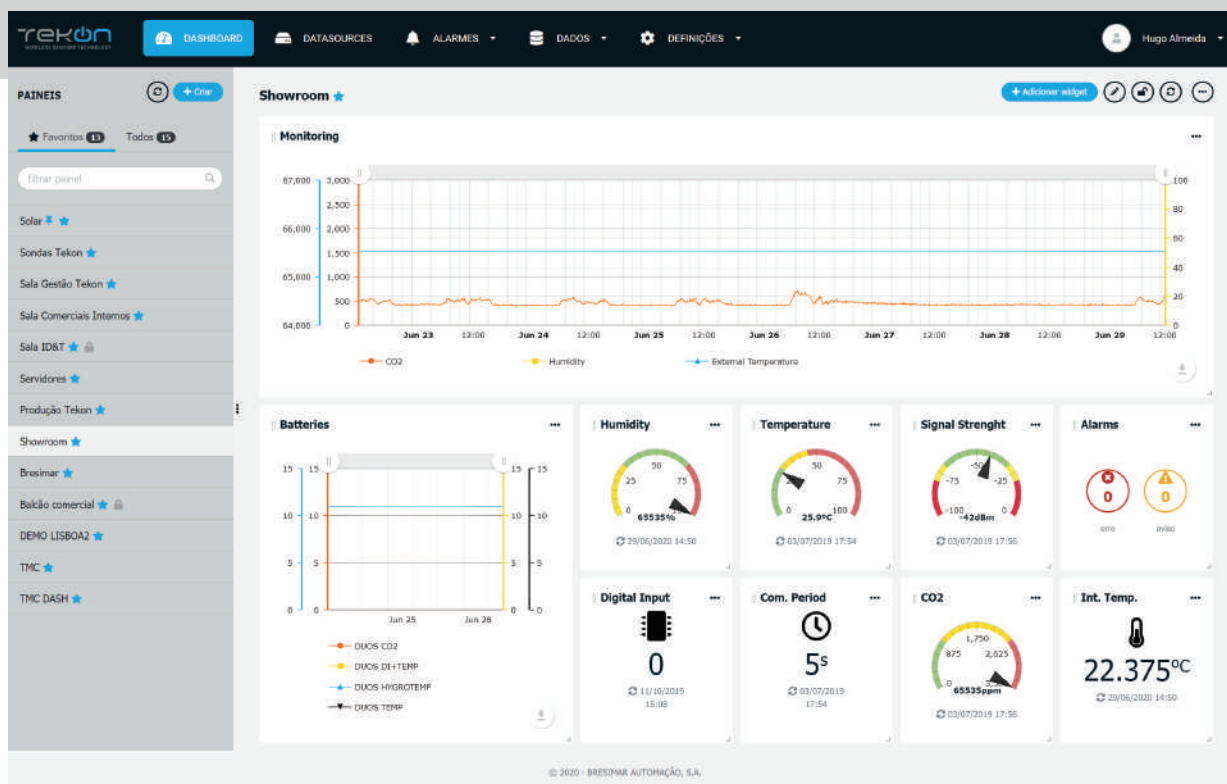


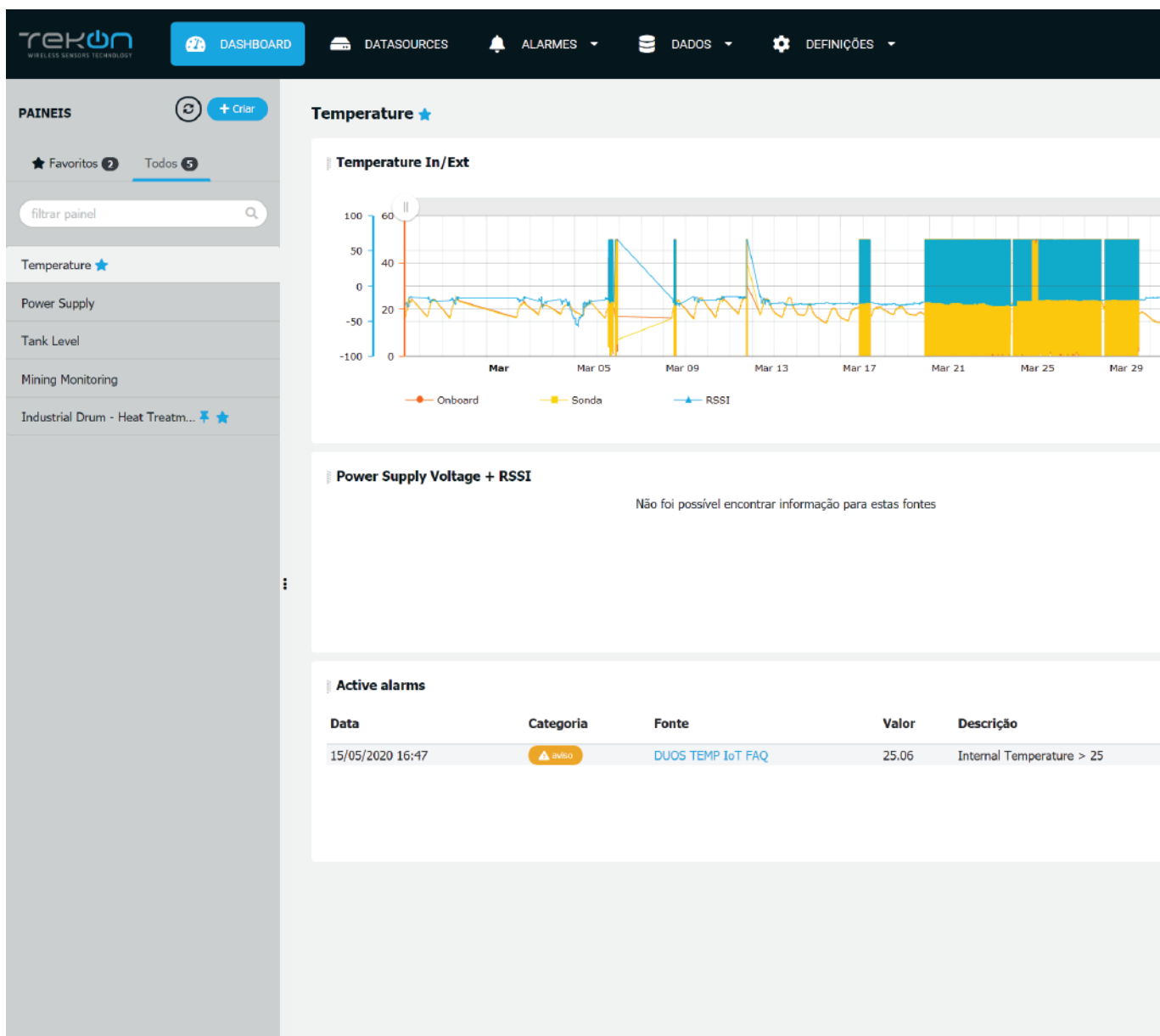
IOT PLATFORM

ONLINE DATALOGGER



ALARMS AND NOTIFICATIONS
IOT DATA ENCRYPTION
THIRD-PARTY INTEGRATION
WEB-BASED PLATFORM

Tekon IoT Platform has been developed to improve real-time monitoring of multiple applications. With data collection, analysis and visualization tools, Tekon IoT Platform allows users to understand and organize raw data to transform data into business improvements.





Data visualization

All the data collected can be visualized through a range of graphic tools optimized to each type of variable. Charts, gauge, value or alarm list are some of the options available.



Advanced data analysis

Analyze the data from datasources with a tool develop with parameters for advanced data analysis. Define scales, aggregation methods, granularity levels and time range to organize data according to your application.



Third-party integration

Tekon IoT Platform allows the integration of third-party devices as datasources through REST API or MQTT ensuring connectivity with devices other than Tekon Electronics allows the use of the iot platform as a business tool in a wide range of applications.



Alarms

Configure alarms to ensure a reliable monitoring over your application. Define safety values for major variables and keep your alarm notifications on the dashboards or sent an email or SMS to the people involved in that process.



Datasources and users management

Manage datasources, edit variables configurations and add or delete datasources at any time. Create, edit or remove users with permissions for each major menu of Tekon IoT Platform.



Email and sms notifications

Keep process stakeholders informed when application alarms are triggered. Each alarm can trigger an email and/or SMS notification to intended users.



Periodic reports

Keep your organization and personnel updated with customized periodic reports with automatically sending. Build multiple reports for different areas of your application.



Export data for further analysis

Users can export data from Tekon IoT Platform at any time. This option is available in advanced data analysis, periodic reports or in the data export, where users can export raw data to a .PDF, .CSV ou .XLSX file.

USE CASES



LABORATORY ENVIRONMENTS AND BIOCHEMICAL ANALYZES

In laboratory and biochemical analysis spaces, the levels of susceptibility and changes due to temperature and humidity derivations imply strict control and monitoring of the entire environment. Through the Tekon IoT Platform, managers maintain an approximate perspective of the entire operation, where any change to the verified standards is immediately transmitted to the stakeholders.



FOOD RETAIL REFRIGERATION AND FREEZING EQUIPMENT

The mandatory periodic temperature records of food storage equipment require real-time monitoring to guarantee product quality, without jeopardizing the profitability or safety of consumption. With the Tekon IoT Platform, maintenance and management heads can consult the temperature data inside the equipment, setting security alarms based on the time the product is exposed to temperatures below the recommended.

REFRIGERATION OF HOSPITALAR ASSETS

The refrigeration equipment of the hospital unit stores medications and other assets, which will be administered to patients who undergo treatments there. Through the Tekon IoT Platform and the wireless sensors from Tekon Electronics, it is possible to monitor the temperature and humidity levels of these devices, so as not to jeopardize their chemical composition.



COAL PRODUCTION CAPACITY

The analysis of productivity indicators for the entire coal processing plant was added to the Tekon IoT Platform, to provide a global view of the production status, with monitoring of process variables with increased relevance and more general productivity indicators. This integration was performed with a third-party gateway, already installed in the local automation on the time the product is exposed to temperatures below the recommended.



RAW MATERIALS WAREHOUSES

The unit to produce personal hygiene and cleaning articles has an exclusive storage area for raw materials, with different temperature ranges. The need to gather the entire monitoring process in a single system, allowed the Tekon IoT Platform to be the interface of the entire system, with customized alarms for each raw material.



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