

# Dashboards



Consists of visual interactive status and performance information widgets

## Overview

Manufacturing operations generate a lot of data. Being able to present the most important data in real time and in a visual way that is clear and easy to understand helps the different stakeholders to understand the current situation and quickly visualize any problem that requires attention.

A Dashboard is a highly visual mechanism to display different types of data. Dashboards are created by combining and configuring different widgets such as reports, queries, resource lists, charts.

The system comes off-the-shelf with the following set of widgets:

- Augmented Reality
- Barcode Actions
- BI Card
- Browser
- Button
- Column View
- Component
- Data Series
- Data Value
- Date and Time
- EDC
- Entity Attachments
- Entity Details
- Entity History
- Entity Info
- Entity KPI
- Entity List
- Entity Tiles
- FabLive
- Filter
- Flex
- Form
- Grafana®
- Grid
- Keypad
- List
- Live Data
- Multimedia
- Query
- Shift
- Sliding Grid
- SPC
- Tabs
- Text
- Tiles Matrix
- Timeline
- Timer
- Transfer
- Tree Map
- UI Page

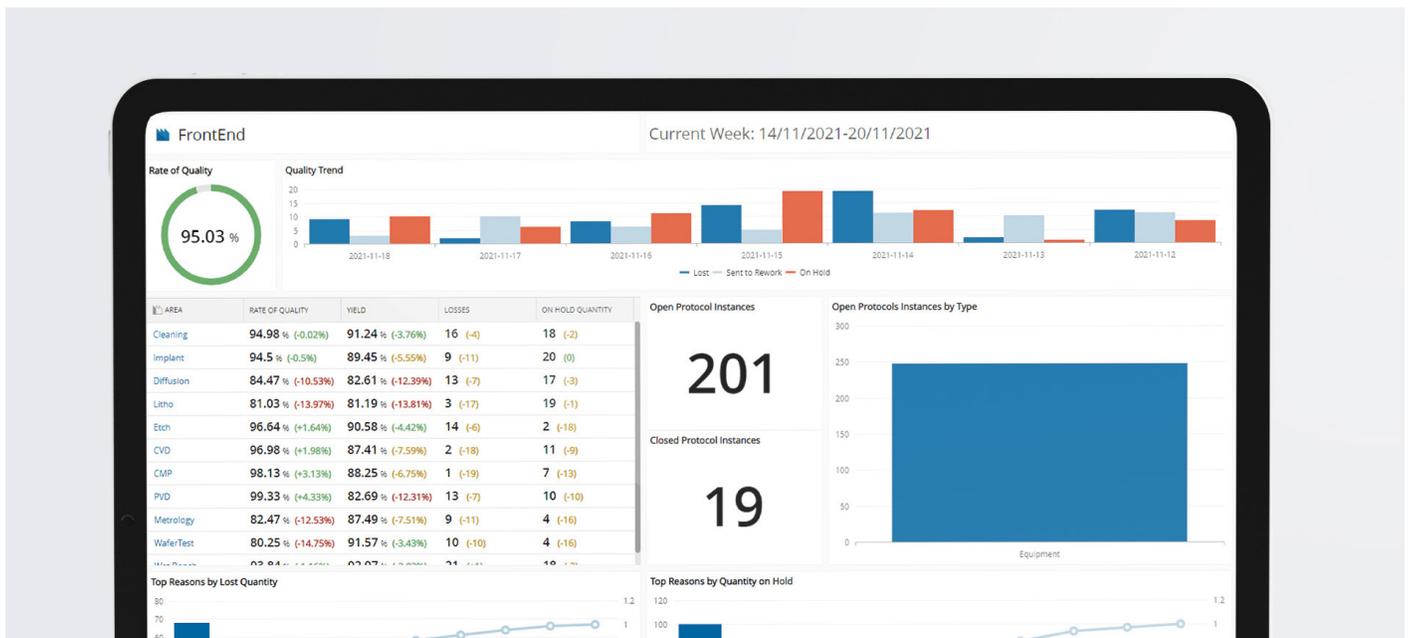


Figure 1 Quality Operational Standard Dashboard

## Key Features

- Responsive design with support for different layouts (e.g.: desktop, mobile phone).
- Easy creation and configuration by power users without coding, which enables the creation of optimized Dashboards and GUIs for some specific operational scenarios.
- Capability to define a Dashboard as the homepage for any user.
- Capability to create and add new widgets to the framework.
- Extensive library of widgets out of the box.
- Capability of widgets to communicate and interact with each other so that an event in one widget can trigger an update in another.

## Benefits

- Increased operational efficiency
- Increased visibility and monitoring

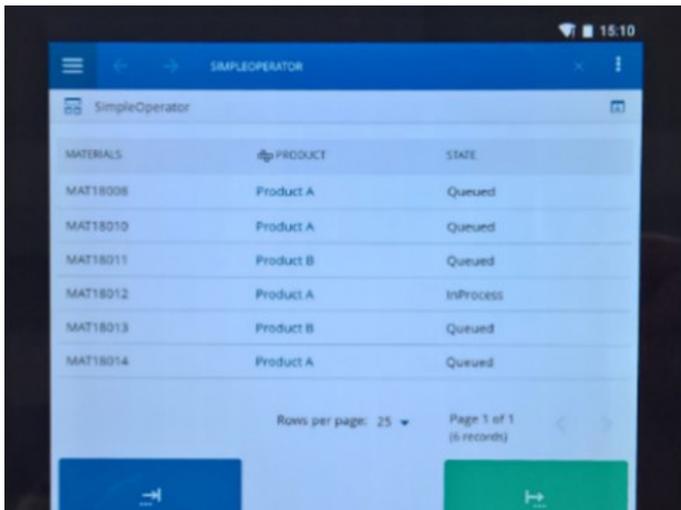


Figure 2 Custom operator GUIs created with the UI Page designer

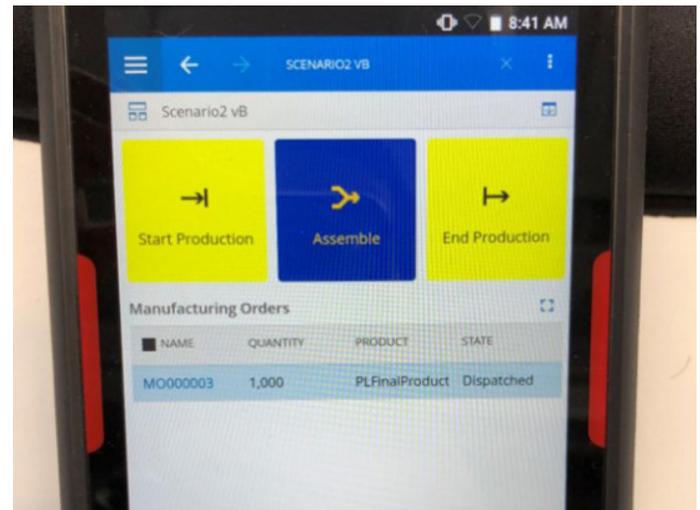


Figure 3 Custom operator GUIs created with the UI Page designer



Figure 4 Embedded Grafana® Dashboard using the Grafana® widget



Figure 5 Custom production dashboard