



## Enhance Process Performance With SMART SOLUTIONS™

Flowrox Malibu™ is a new way to combine your process and Industrial Internet of Things (IIoT). Remote access allows you to manage, measure and analyse your processes out of control room with a computer or any handheld device. Malibu™ can predict failures before they occur, allowing you to manage unplanned shutdowns. Analytics tools and Flowrox expert services help optimize your processes and increase productivity. System can be integrated to any existing process equipment and control system.

### With Smart Solutions™ You Are Able to:

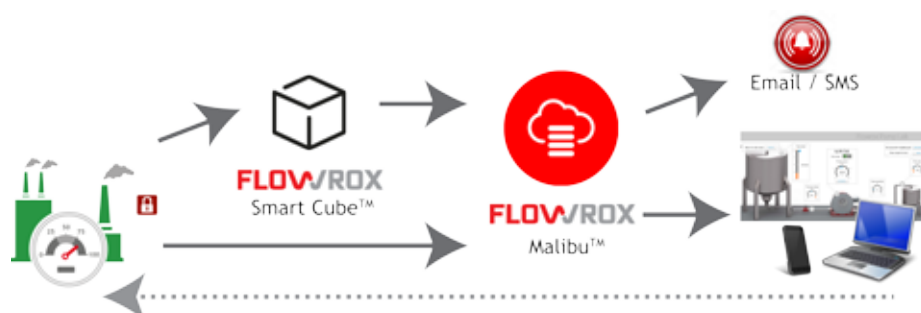
- Remotely monitor any process equipment 24/7
- Identify problems causing downtime
- Access online reporting tool
- Get equipment condition and problem notifications
- Use analytics tools for pre-failure detection

### Malibu™ Portal and Smart Cube™

Flowrox Malibu™ portal is a user interface customized specifically for your process. It is a combined online process monitoring, maintenance and analysis tool. It is easy to use and mobile friendly.

Your site is connected to Malibu™ cloud via Smart Cube™ or existing process control system. Smart Cube™ is the data processing unit which can be integrated in any existing hardware.

Solution is scalable from a single device up to world wide plant network.



Flowrox Smart Solutions™ provide real-time information from the site. Combined with Malibu™ portal the data can be visualized and analyzed resulting in optimized production, maximized output and minimized unplanned shutdowns.

### YOUR BENEFITS

Low total cost of ownership



Optimized production



Minimized unplanned shutdowns



Easy failure detection and planning of maintenance



Instant access to product documentation



# Minimize Shutdowns and Optimize Production With

# SMART SOLUTIONS™



## Flowrox Smart Products

- Smart Valves
- Smart Pumps
- Smart Expulse
- Smart Systems

Network connection is protected with TSL encryption.

Optional VPN firewall solution also allows remote controlling.



### Flowrox Malibu™ Portal is a:

- Process monitoring tool
- Maintenance tool
- Reporting and analytics tool

### Flowrox Malibu™ Main Features:

- Realistic 3D modelled environment of your process equipment
- Online process monitoring
- Maintenance notifications
- All relevant documents just few clicks away
- Remote control (optional)



**Flowrox  
Smart Cube™**

Data collection  
unit connected to  
Flowrox Malibu™  
platform



**IIoT Connecting  
Your Equipment**

Flowrox Malibu™  
provides information  
about the plant's  
performance, subprocess  
operations and  
individual devices  
at one glance.





# Preventive Maintenance and Expert Service

## Utilize Your Current Systems for Follow-up, Reporting and Analysis

Malibu™ portal is fully compatible with 3rd party equipment and is not meant to replace your current systems (eg. DCS, SCADA). It monitors process operations and provides analytics according to chosen indicators. Malibu™ creates reports which include clear visual representation of data. Reports are customizable for different needs: production operators, maintenance experts, managers and other.

## Professionals at Your Service

Flowrox experts help you localize the bottlenecks causing unplanned shutdowns. Utilizing selected process indicators, we carefully analyze your process and programme the system to send you notifications before the actual failure. In this way you can plan the maintenance beforehand and optimize your production.

We have long reputation and knowledge about valves and pumps. With Malibu™, our professionals are able to boost your process efficiency and resolve technical issues. Malibu™ is not just an IIoT portal, it has artificial intelligence in the background.



### Our customer: EKJH (Etelä-Karjalan Jätehuolto Oy)

EKJH, waste management company from Lappeenranta, Finland, chose Flowrox for their new waste water pump automation system. Flowrox Malibu™ monitoring system collects various data from pumping station (e.g. pumped water in m<sup>3</sup>). Data is represented online as exact replica of the real station. Now EKJH can remotely monitor operation of the pumps and is automatically alerted before any values exceed normal state.

“We chose Flowrox because they offered us the best service,” says Sami Huotari, Site Manager at EKJH. They have continuous support from Flowrox professionals even after installations. Flowrox solution is saving EKJH lots of valuable time, has significantly increased safety and optimized operation of pump station.



EKJH pump station and remote view in Flowrox Malibu™.



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