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SolidElectron[®]

The future of energy saving

www.bcgcm.com / www.solidelectron.com



ABOUT US

Solid Electron, caters operational solutions and water investment projects without any payment from your side.

Firm brings energy efficiency via projecting to water and energy facilities with high-tech systems that are integrable to Industry 4.0

Company fairly distributes efficiency that are earned from energy efficiency with its partners.



PRODUCTS & SOLUTION

“Predixi” The most advanced cloud-based SCADA software in the world for energy efficiency management in pumps.

“Metirius” The most advanced on-site efficiency measuring device in the world

- The world’s first and only pump controller that calculates energy savings and supports all operating modes required for efficiency with automatic billing and profit sharing system.





It is a modern SCADA system designed for Water and Energy Management Systems..



www.solidelectron.com/predixi

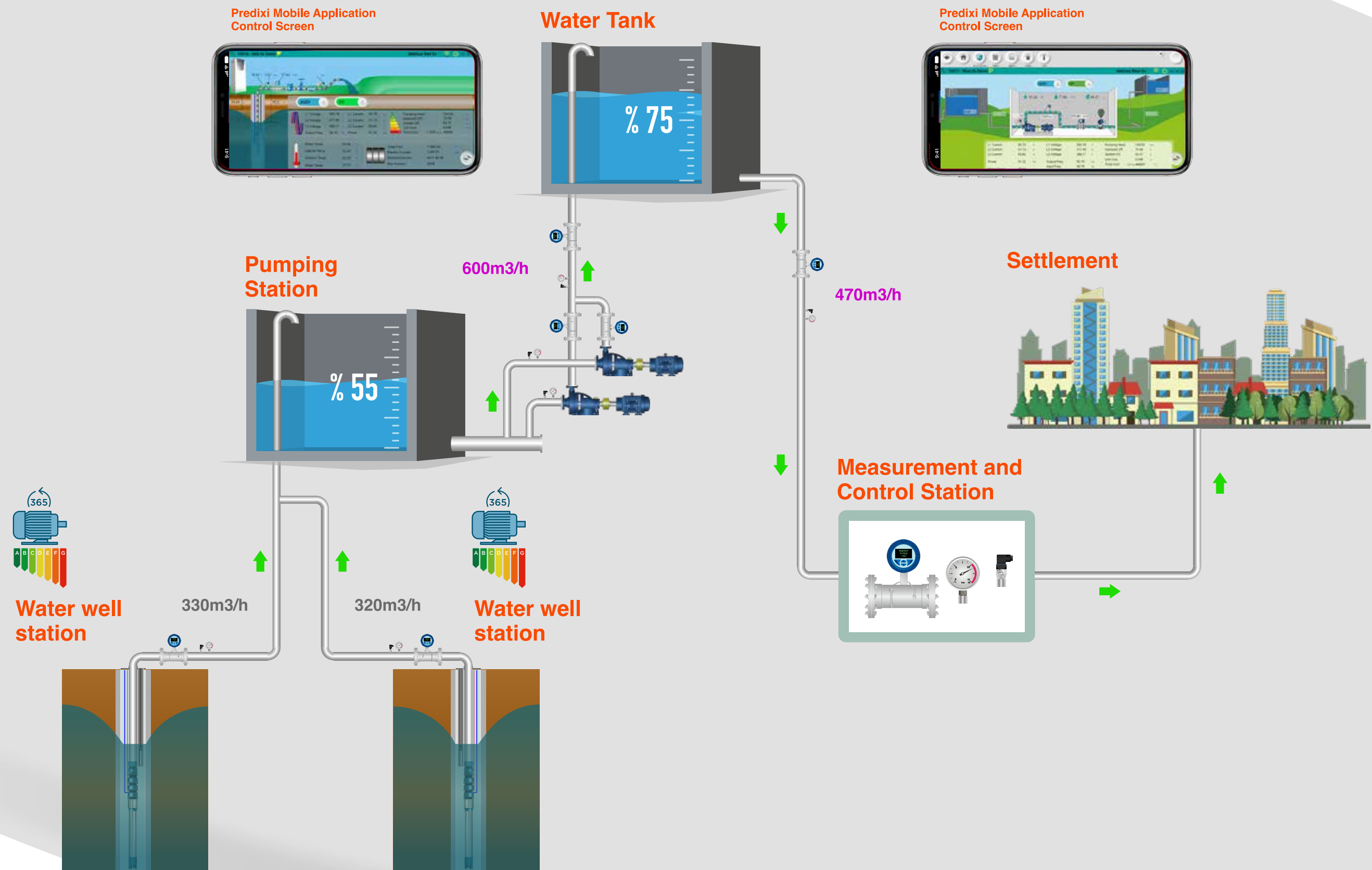
It has unlimited LOG capacity. It is a cloud-based remote management solution.

Customized point screens can be created with the advanced editor.

With its useful and clear interface, monitoring and control of all points can be achieved with a single user. Detailed reporting system is available.

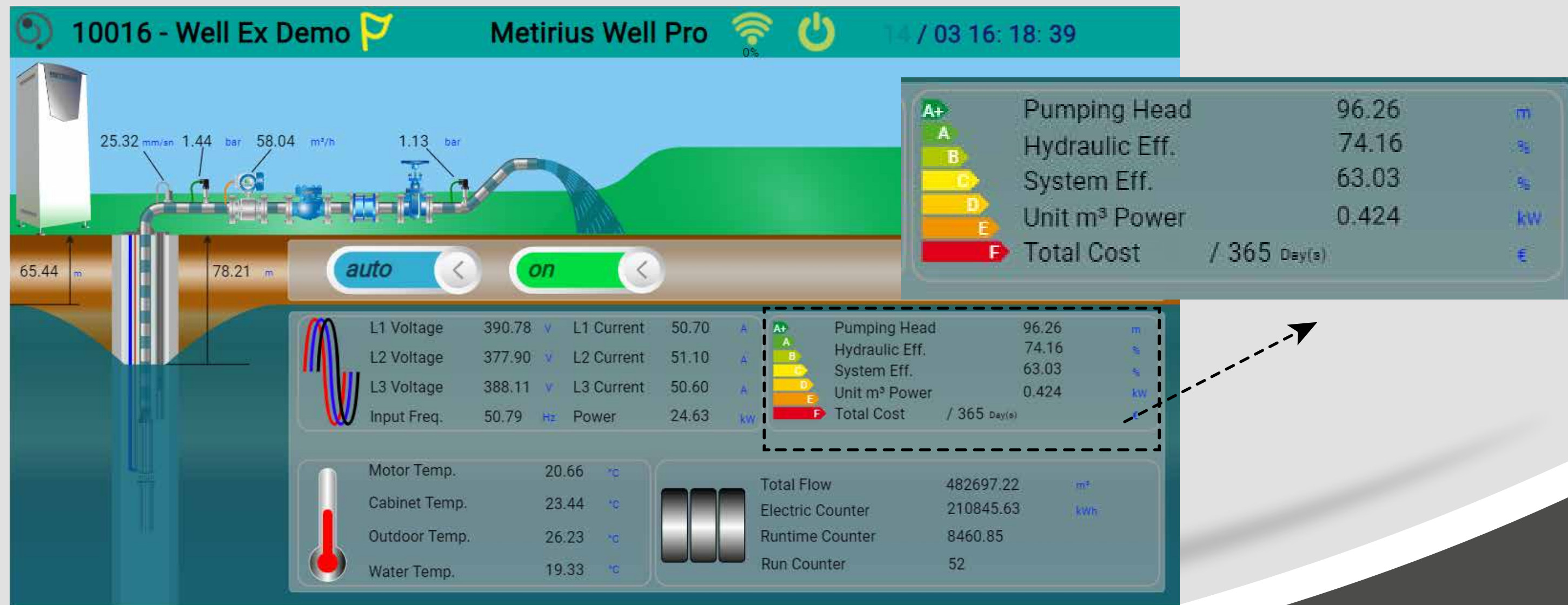
It can be applied to all kinds of IOT and Industrial control devices.

WATER MANAGEMENT SYSTEM WITH PREDIXI



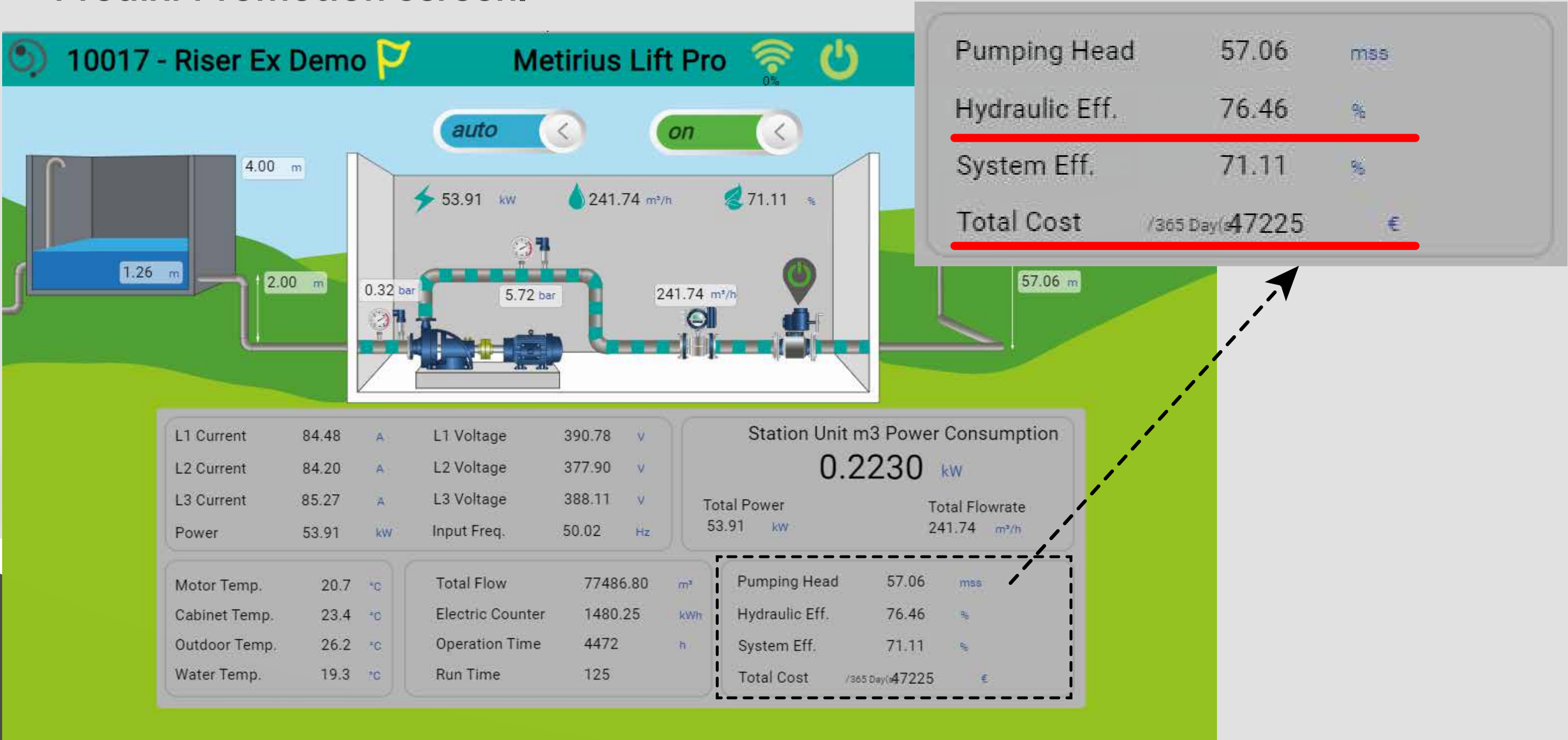
WATER MANAGEMENT SYSTEM WITH PREDIXI

Parameters that can be monitored and controlled instantly on the Predixi Well screen.



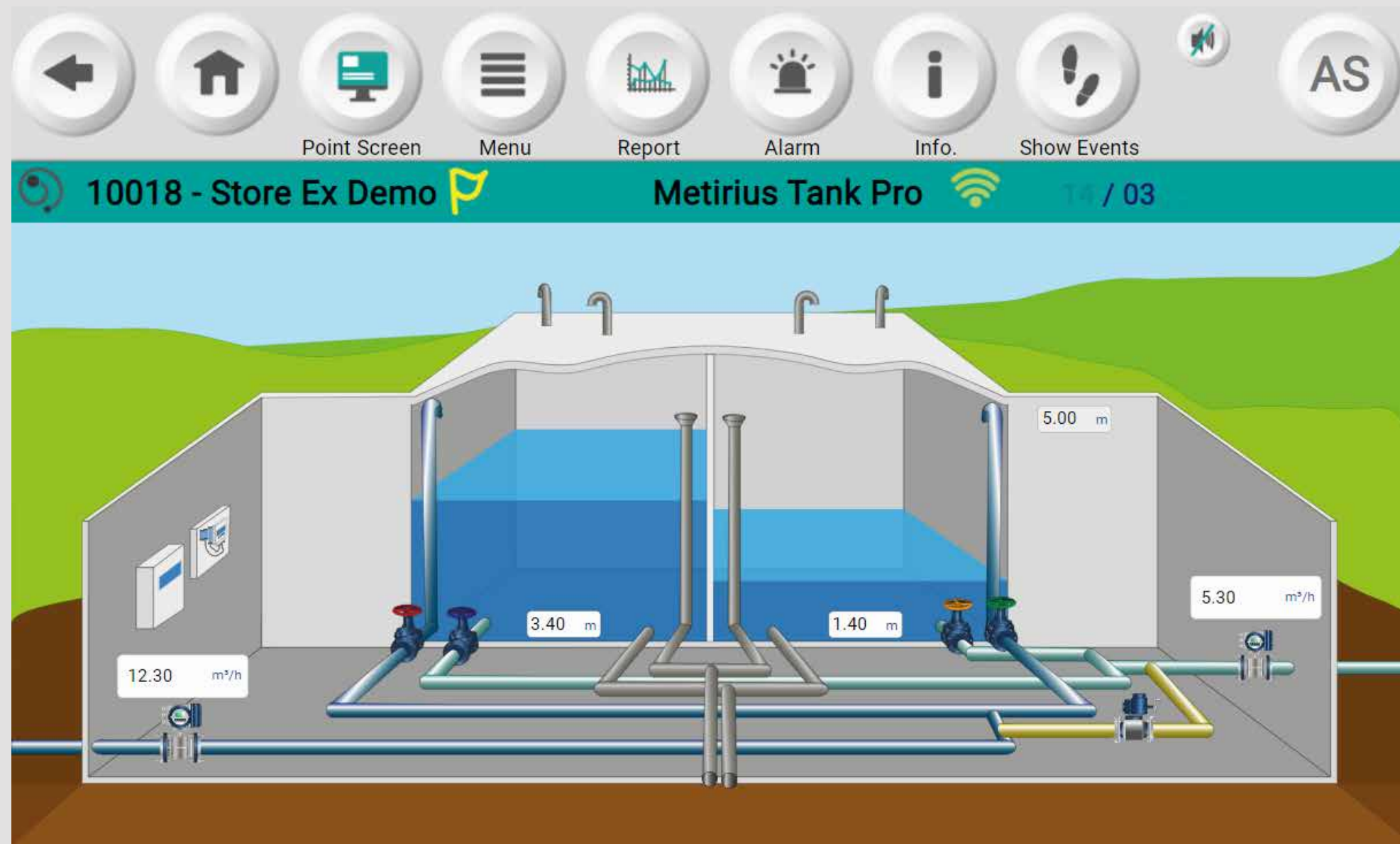
WATER MANAGEMENT SYSTEM WITH PREDIXI

Parameters that can be monitored and controlled instantly on the Predixi Promotion screen.



WATER MANAGEMENT SYSTEM WITH PREDIXI

Parameters that can be monitored and controlled instantly through Predixi Warehouse screen.



REPORTING SCREEN

All system parameters can be easily transferred to an excel file and converted into graphics.





METIRIUS

It is an autonomous water management system device, fully compatible with the cloud-based Predixi application, which can fix the flow, pressure, water level, and frequency.

Additional information

- ▶ Extra programmable digital input/output ports are available.
- ▶ There are water tanks and free use modes.
- ▶ It shows the instantaneous and continuous pump efficiency, the pumping cost of every cubic meter of water, and the instant information is available on the sensors or 7" screen.
- ▶ Each Metirius device has an advanced pump efficiency tester.

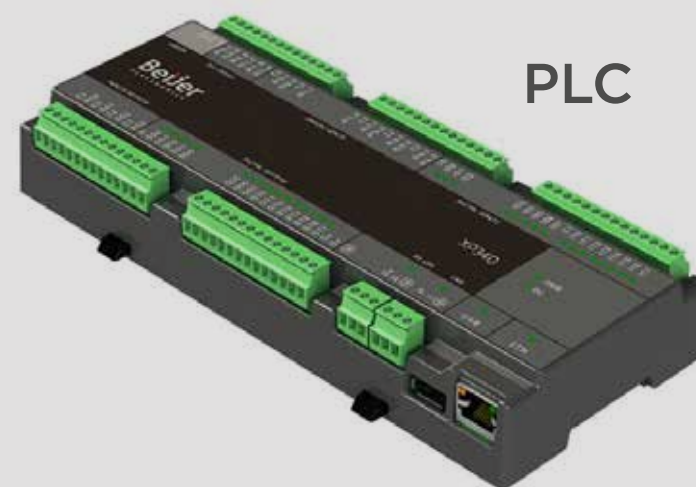




4G Modem



7" LCD Touch Screen
+ Metirius interface



PLC



AC Drive

Pressure sensor



Flowmeter



Energy
analyzer



Temperature
Sensor



Level Transmitter



ENERGY STUDY

Qualified measurements are made by expert engineers to determine the efficiency of existing pump motor systems of institutions and companies operating in water pump systems.



PROJECT IMPLEMENTATION AND OPERATION

The initial investment cost of the project is made free of charge by Solid Electron.

All operational responsibilities during the project belong to our company.

In addition, the gain from electrical efficiency is shared with the institution.



SAMPLE OF COMPLETED PROJECT (APPLICATION)

Nigde Municipality In project scope;

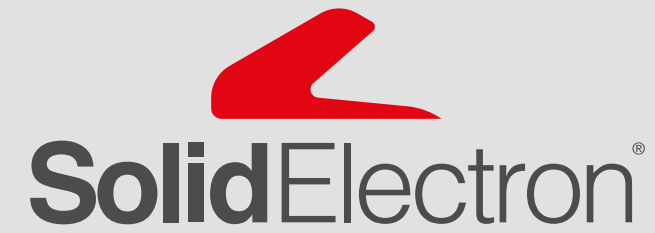
- 46 well control systems,
- 1 lift station control system,
- 9 water tank control systems,
- 1 SCADA center was built.



SAMPLE OF COMPLETED PROJECT (MONITORING & CONTROL)

The entire system has been made monitorable and controllable via Predixi, a cloud-based water management application.





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