

# SALUPO CONNECT THE MONITORING SYSTEM WITH INTERNET CONTROL

Salupo S.a.s. is a concern highly specialized in the design and production of systems and technologies for the industrial automation and the protection and management of water lifting systems.

The company has already identified for some time in its market the needing for monitoring and remote control of the plants. To meet this need, it has developed an application that allows basic communication through the exchange of SMS with GSM modules of its own production.

The use of SMS has brought some limitations, such as that of not being able to manage all the parameters of the various control panels so, in order to be in step with technological progress and to meet the expectations of its customers, te Salupo has decided to give a turnaround to the problems related to the use of SMS by developing forms for communication via the Internet.

The company offers its customers a cloud platform for the control and monitoring of electrical panels of its production.

The new internet system has the following characteristics:

- Allows access to customers and installers, with different profiles;
- It can be used for diagnostics by personnel;
- It is easy to install, to use and it is independent of any network connection [ no static IP is required, ports opened on the router, etc. ].

The platform is operational from the web and will be expandable in the future with new additional modules. Salupo has identified that the remote control of its control panels allows to obtain different advantages, among which:

- **Proactive monitoring:** the panel sends the reading of its parameters to the platform [ pumps status, levels, faults and electrical measurements ]
- **Alarm signaling,** all the users registered in the plant will receive the notification via e-mail and via SMS [ when active ] in the event of an alarm. This allows the identification of faults and malfunctions;
- **Simplified diagnosis,** when the customer reports a fault or anomaly, the personnel responsible for the customer care and / or the installer has immediate visibility of the plant's parameters;
- **Reduces the costs of management of the plant** by the customer thanks to the programmed ignitions;
- **Loyalty of customers and installers.**

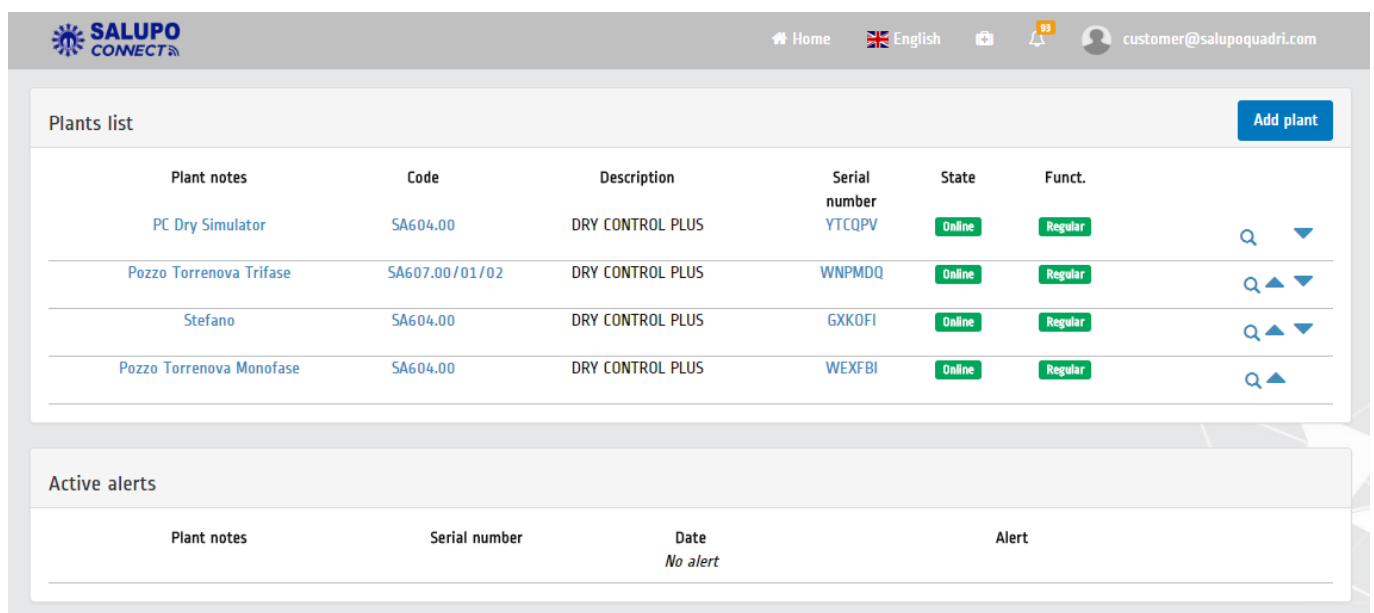
Salupo Connect is the web application that will use users (administrator, installer, customer) to access the information of the control panel and take advantage of all its features.

Access to the web platform is done by entering your credentials (e-mail and password):



The screenshot shows the SALUPO CONNECT login interface. At the top left is the SALUPO logo. To its right, the text 'SALUPO CONNECT' is displayed in a large, bold, blue font. Below this, there are two tabs: 'Login' (which is active) and 'Registration'. The main content area is titled 'Reserved area' and contains a form with two input fields: 'e-mail' and 'Password'. Below the password field, there is a link 'You are not registered Sign in'. There is also a 'Remember' checkbox and a blue 'Login' button. At the bottom of the form, there is a link 'I forgot the password'.

Once logged in, the user sees the list of all the registered plants with their status (ONLINE / OFFLINE) and their operation (REGULAR / ALARM):



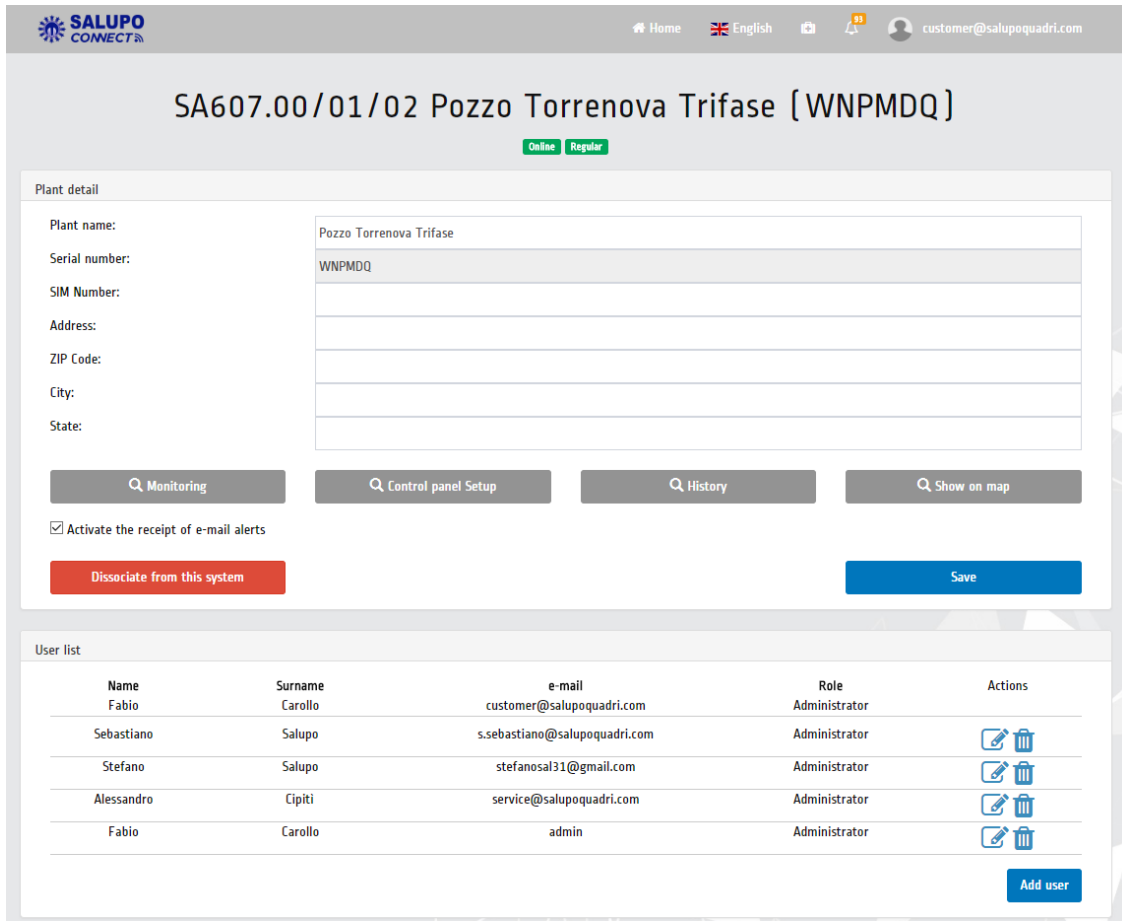
The screenshot shows the dashboard of the SALUPO CONNECT application. At the top, there is a navigation bar with the SALUPO CONNECT logo, a home icon, a language selector (English), a notification bell with '99' alerts, and a user profile icon for 'customer@salupoquadri.com'. Below the navigation bar, there is a section titled 'Plants list' with an 'Add plant' button. The plants list is a table with the following data:

Plant notes	Code	Description	Serial number	State	Funct.	
PC Dry Simulator	SA604.00	DRY CONTROL PLUS	YTCQPV	Online	Regular	🔍 ▼
Pozzo Torrenova Trifase	SA607.00/01/02	DRY CONTROL PLUS	WNPMDQ	Online	Regular	🔍 ▲ ▼
Stefano	SA604.00	DRY CONTROL PLUS	GXXOFI	Online	Regular	🔍 ▲ ▼
Pozzo Torrenova Monofase	SA604.00	DRY CONTROL PLUS	WEXFBI	Online	Regular	🔍 ▲

Below the plants list, there is a section titled 'Active alerts' with a table that currently shows 'No alert'.

Plant notes	Serial number	Date	Alert
			No alert

Once the plant has been selected, the "plant details" page will be entered, with the possibility to connect new users or select other submenus [Monitoring, control panel Setup, History and Geolocate]:



**SA607.00/01/02 Pozzo Torrenova Trifase [WNPMDQ]**

Online Regular

Plant detail

Plant name: Pozzo Torrenova Trifase

Serial number: WNPMDQ

SIM Number:

Address:

ZIP Code:

City:

State:

Monitoring Control panel Setup History Show on map

Activate the receipt of e-mail alerts

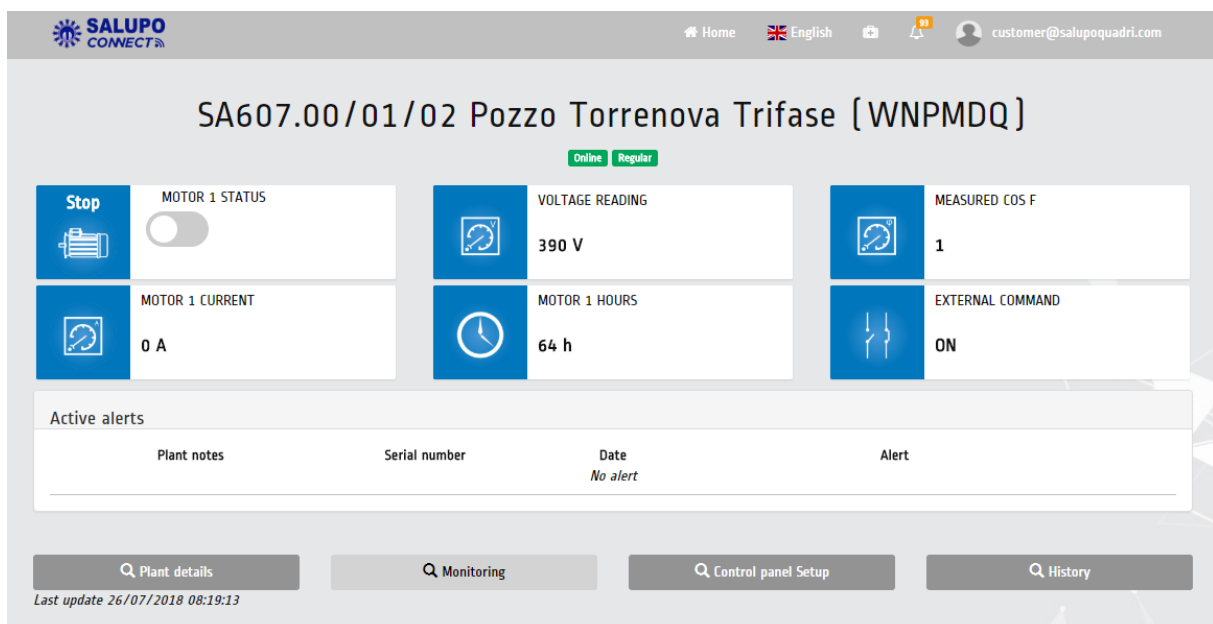
Dissociate from this system Save

User list

Name	Surname	e-mail	Role	Actions
Fabio	Carollo	customer@salupoquadri.com	Administrator	
Sebastiano	Salupo	s.sebastiano@salupoquadri.com	Administrator	
Stefano	Salupo	stefanosal31@gmail.com	Administrator	
Alessandro	Cipiti	service@salupoquadri.com	Administrator	
Fabio	Carollo	admin	Administrator	

Add user

The "Monitoring" menu allows to change the status of the motors (STOP / AUTO), display all operating parameters of the control panel and reset any alarms:



**SA607.00/01/02 Pozzo Torrenova Trifase [WNPMDQ]**

Online Regular

Stop MOTOR 1 STATUS

VOLTAGE READING 390 V

MEASURED COS F 1

MOTOR 1 CURRENT 0 A

MOTOR 1 HOURS 64 h

EXTERNAL COMMAND ON

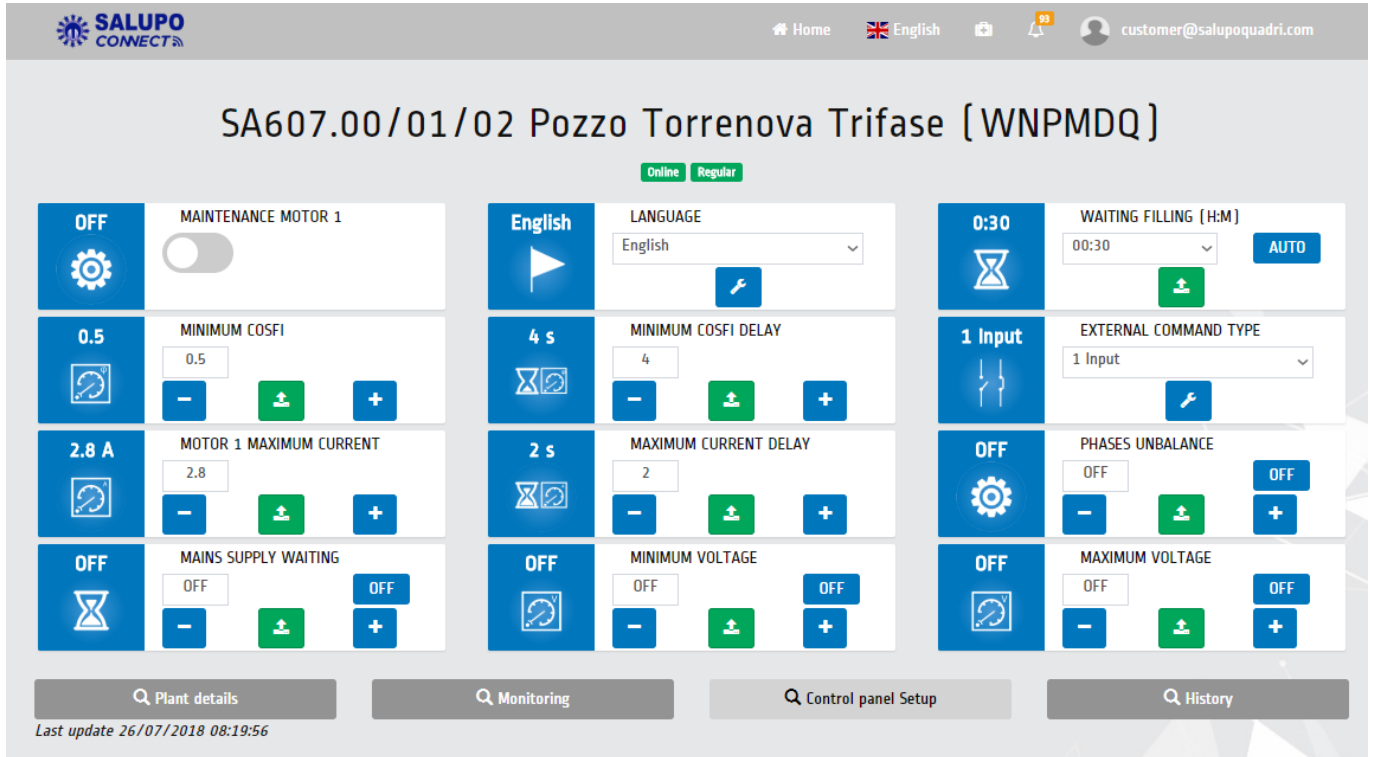
Active alerts

Plant notes	Serial number	Date	Alert
			No alert

Plant details Monitoring Control panel Setup History

Last update 26/07/2018 08:19:13

In the "Control panel Setup" menu, the authorized users can activate the maintenance of the plant or change the value of the various parameters:



With the "Historical" menu, you can view, in graph form, some parameters of the control panel and download a ".csv" file containing all the saved data:

