SANTERNO.IO

QUICK GUIDE

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R.01

E n g l i s h

Enertronica Santerno S.p.A.
Via della Concia, 7 - 40023 Castel Guelfo (BO)
Tel. +39 0542 489711 - Fax +39 0542 489722
santerno.com info@santerno.com

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1. INTRODUCTION

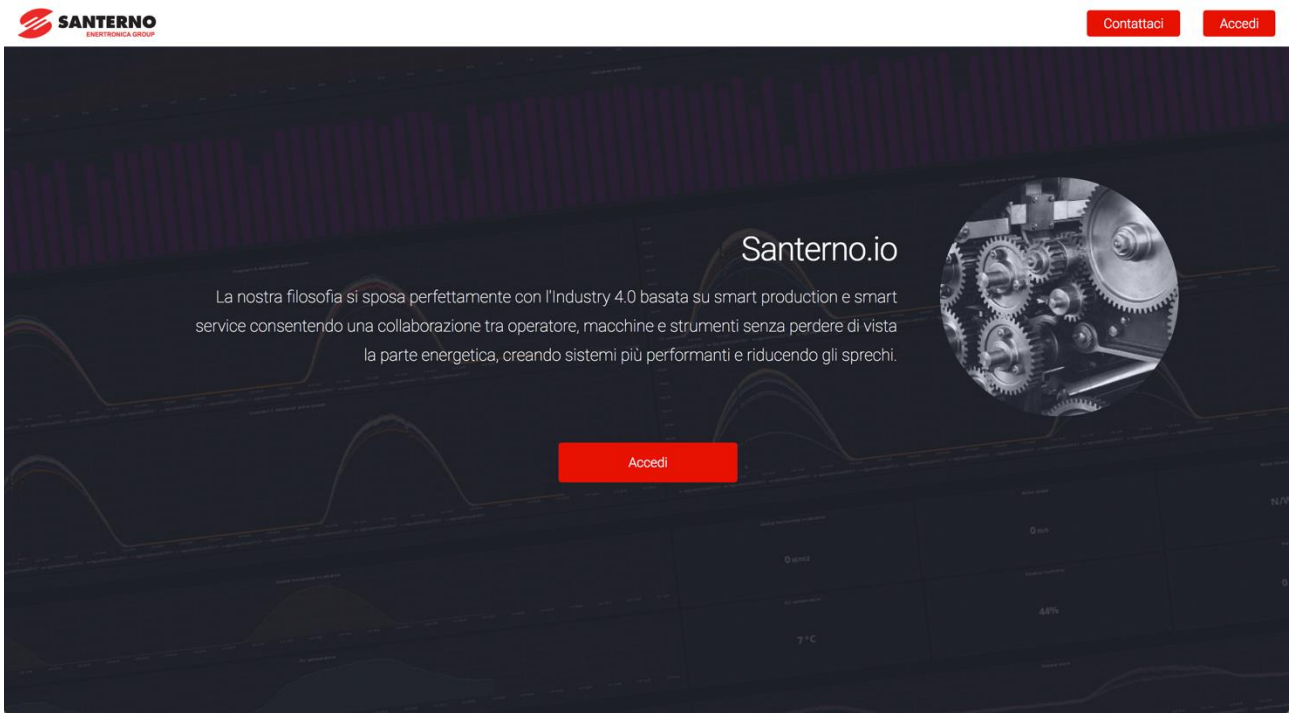
1.1. Santerno.io

Santerno.io is an IoTplatform that allows to monitor in real time all the data in the plant.

The monitoring is continuous and granular, with a system of personalized alarms and dedicated dashboard.

The portal makes use of the concepts of Industry 4.0, for instance smart production and smart services, and thus creating system more performing. Santerno,.io is designed to monitoring and control all types of plants: industrial, photovoltaic, HVAC, water management and electric recharger. A system diagram constantly photographs the situation of the components, each variation corresponds to a color and a code that describes the situation in real time.

Log in https://santerno.io/ and enter with your own and secure username and password.



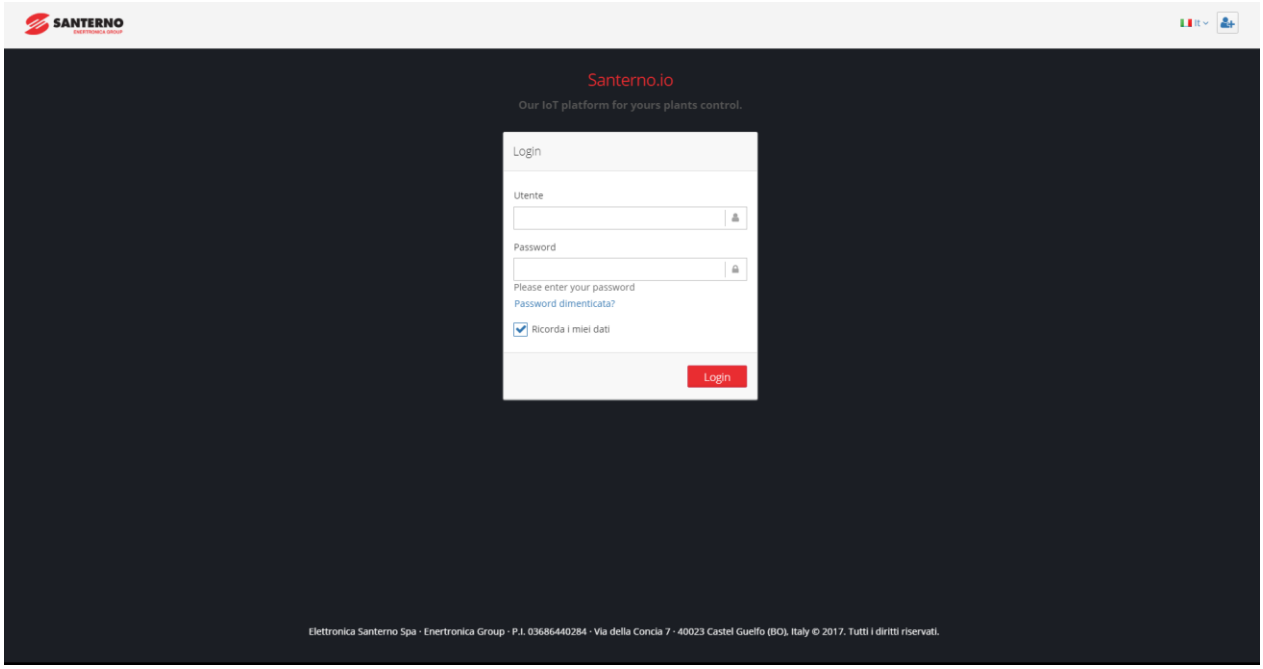
2. WEB PORTAL

The web interface is fast, user friendly and secure.
The service receives data from the data loggers installed in the plant, aggregates and processes them to provide an unified view, provides dashboards that allow the monitoring of the plant to verify its correct operation and evaluate the production in real time.

2.1. Login

Select “Access” on https://portal.santerno.io/login/. on the top right corner.

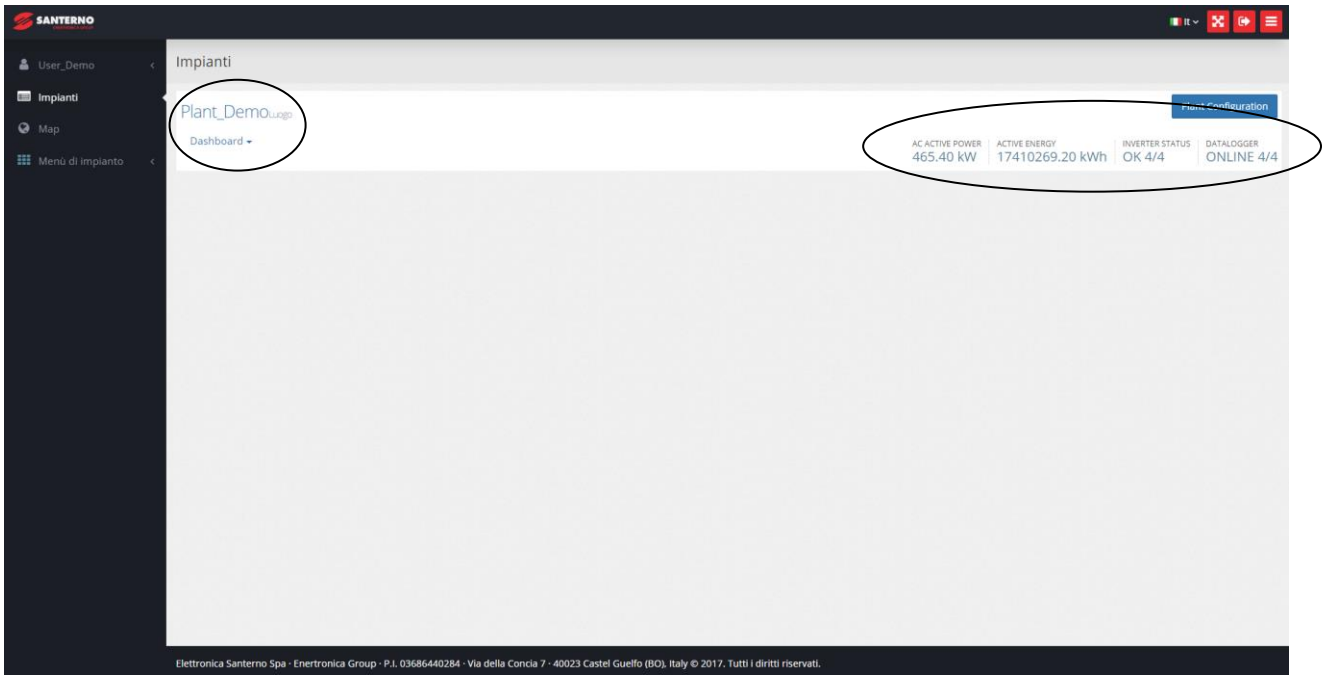
Enter with your personal username and password.



2.2. Plants

In this page all the plants available for the logged user are listed.

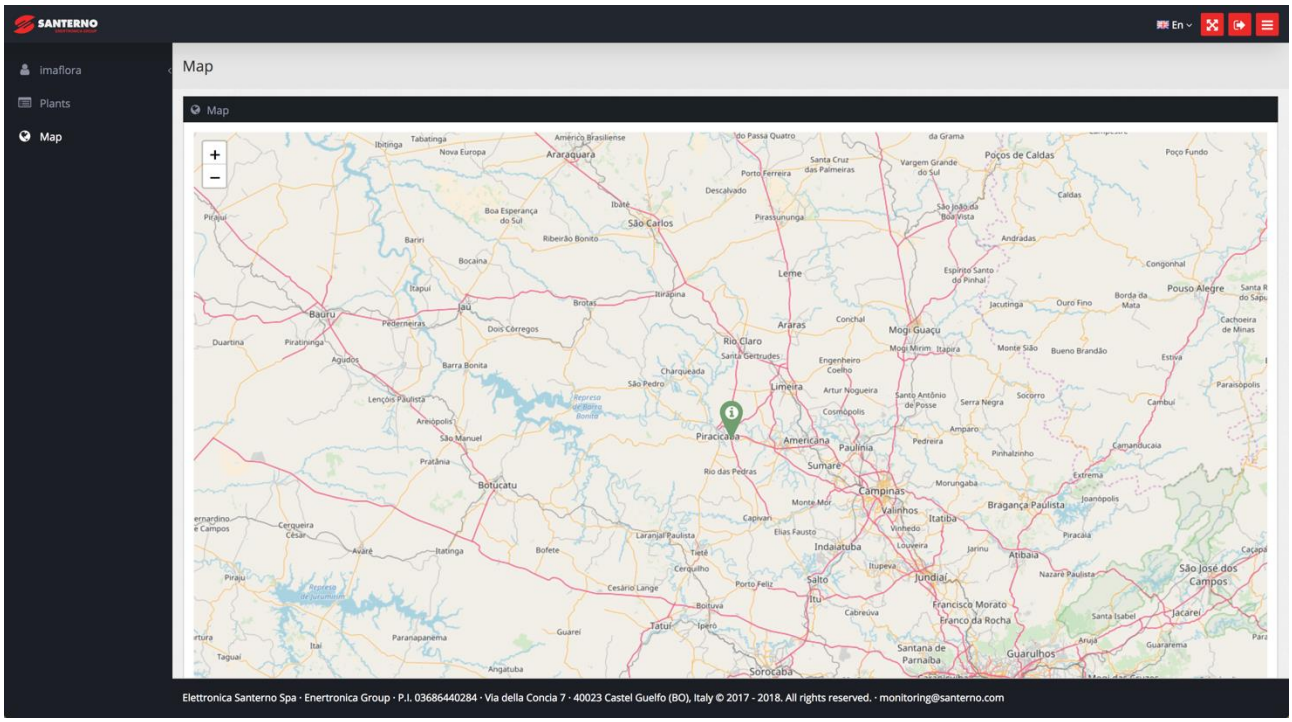
Highlights, like active power, active energy, the status of the inverters and data loggers, are reported in the right side.



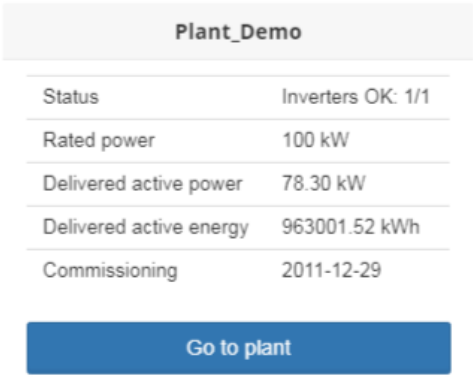
To see all the plant's data, just click on the name of the plant (ex: Plant_Demo)

2.3. Map

For each plant it is possible to see where it is located on a map.



The plant on the map is marked with a convention color that indicates the operating status. By clicking on the icon, a summary of the main plant's metrics is shown.



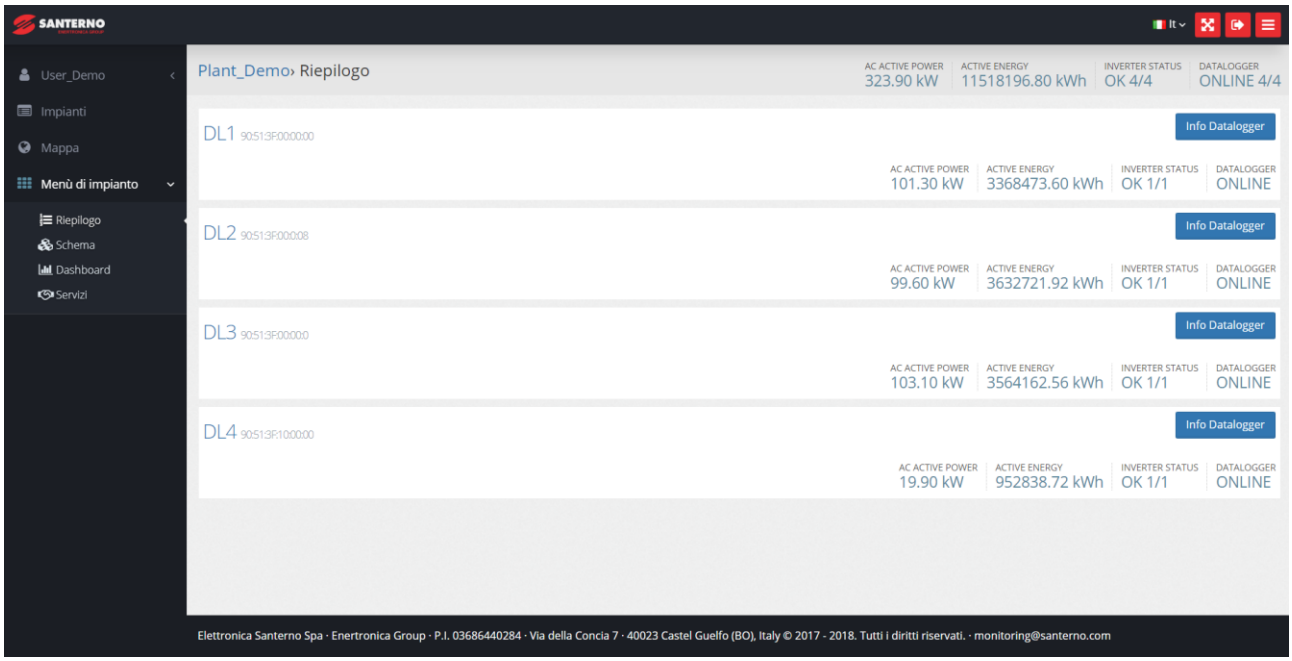
The plant's summary allows the visualization of the production data of the selected plant, detailing the individual subfields, with information of the inverters, string boxes or sensors.

2.4. Plant Menù

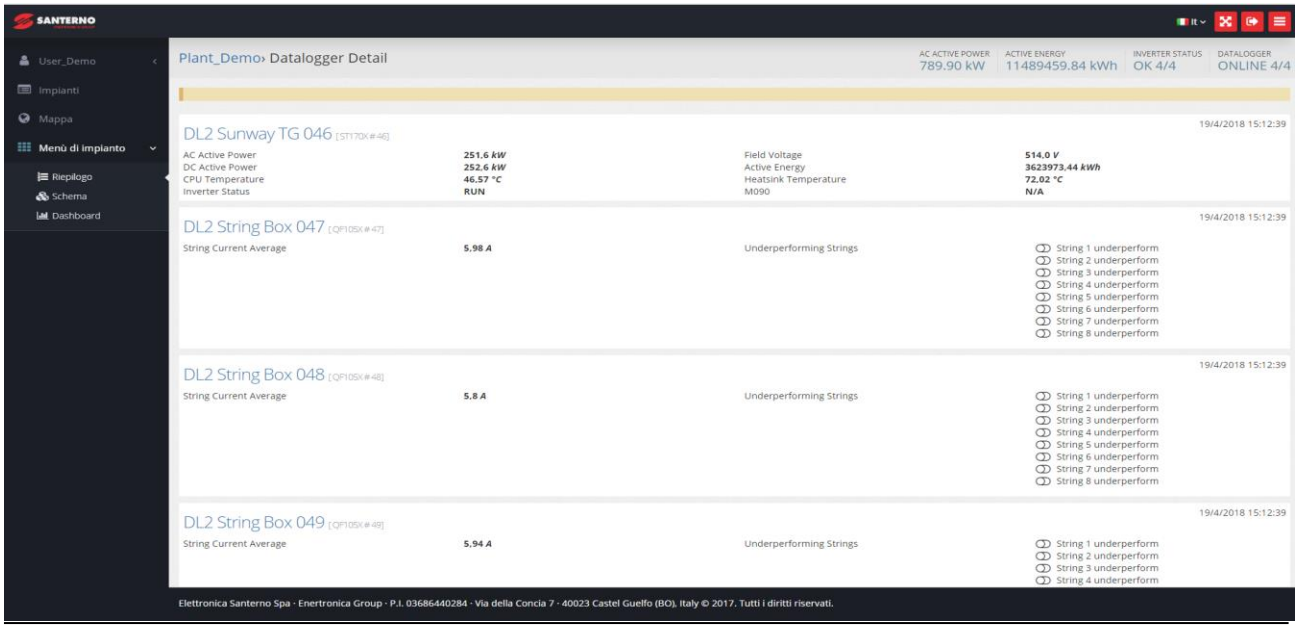
The menu is subdivided into submenus:

- Summary
- Scheme
- Dashboard
- Services

2.4.1. Summary

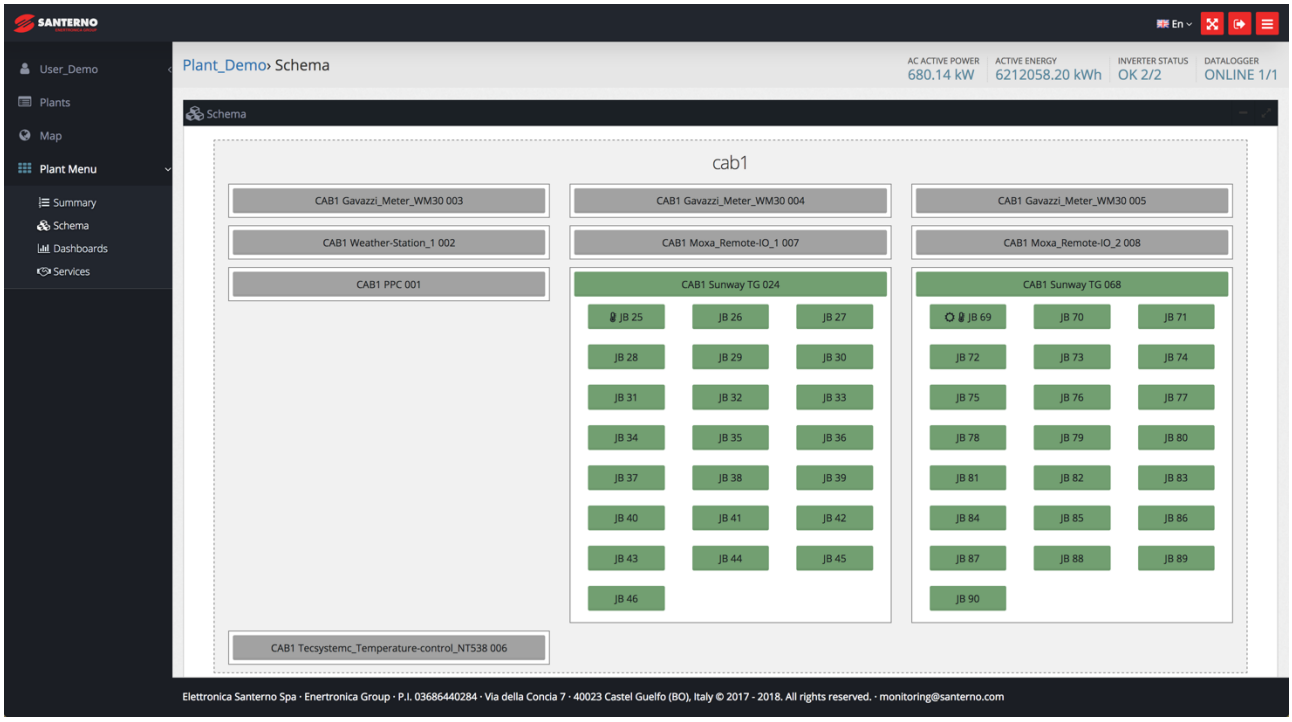


Summary shows the list of active dataloggers, and by clicking on them all the acquired devices and their measurements are shown.

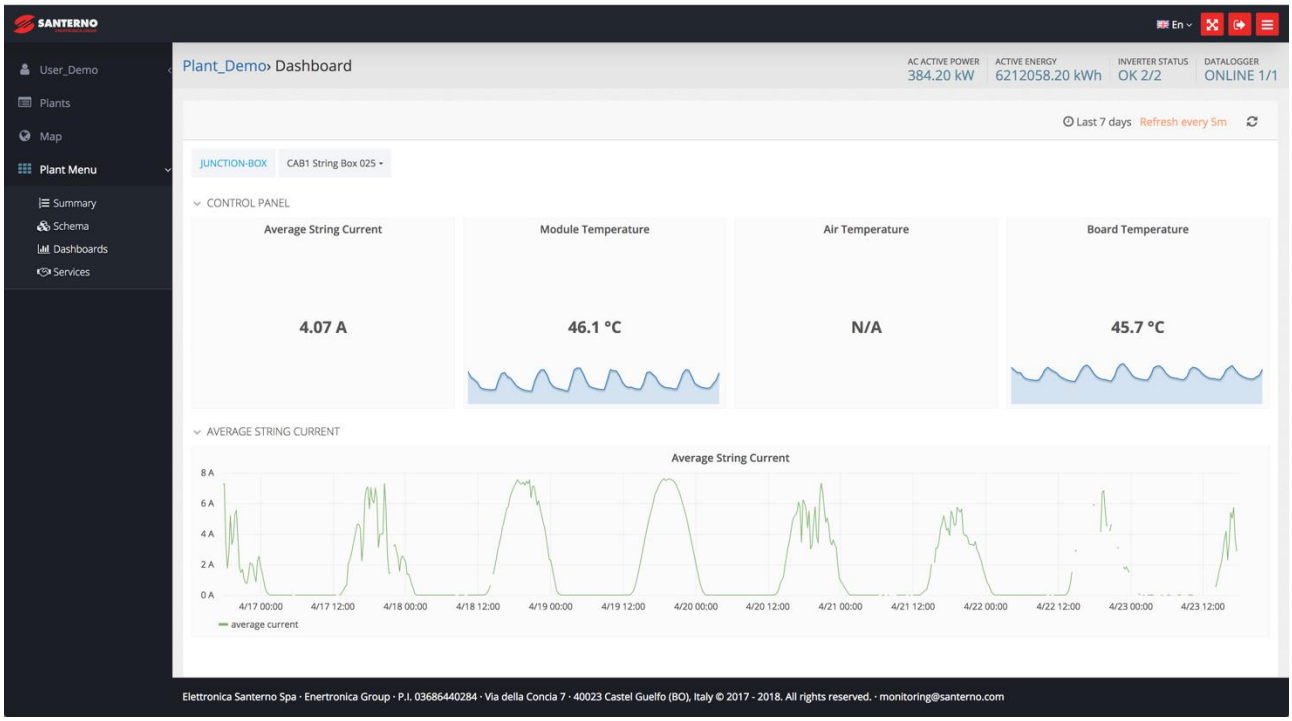


2.4.2. Scheme

The diagram shows the inverters and the monitored devices.

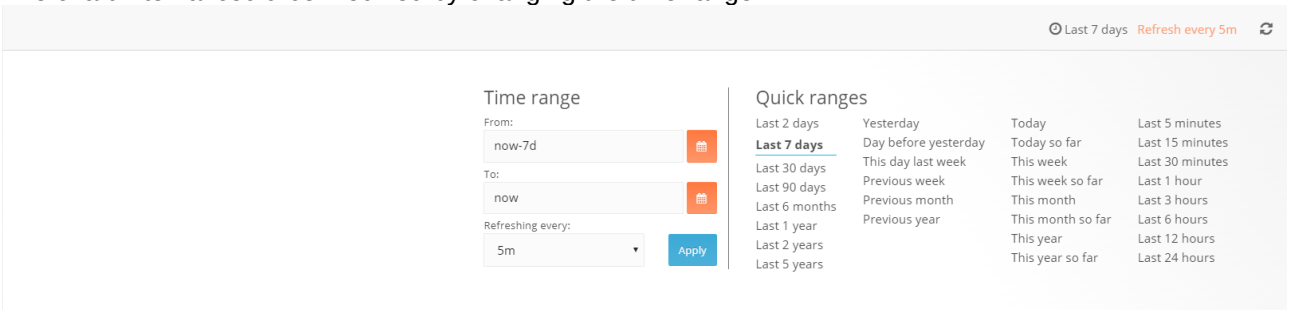


2.4.3. Dashboard



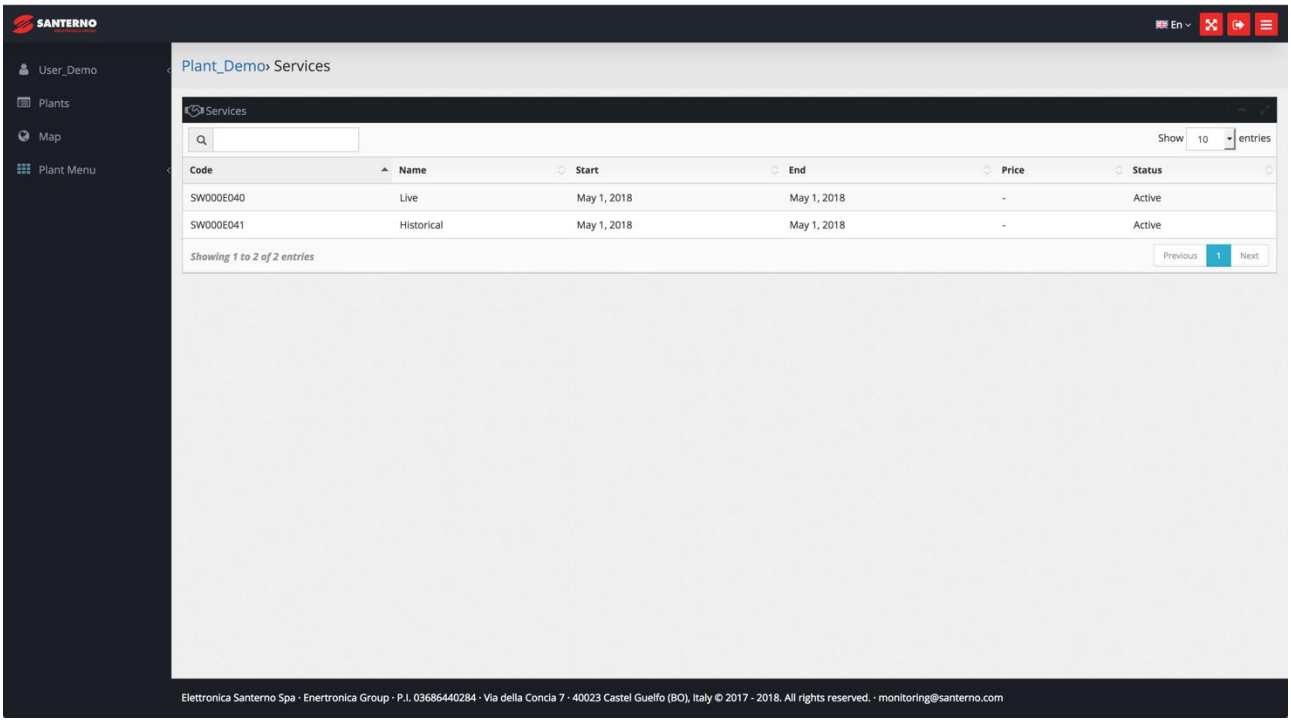
The graphs show the production trend including power, energy and relative irradiation, with separate data for each device and sensor. It's possible to select or deselect some curves to analysis and compare only some curves.
It's also possible to zoom part of the chart by just selecting and dragging.

The chart interval could be modified by changing the time range.



2.4.4. Services

In the submenu Services it's possible to view all the active services, and it may be possible to see the price of next renewal of the monitoring service.



Starting from thirty days before the service expiry, the following banner is shown automatically in every page.