

# PALLADIO

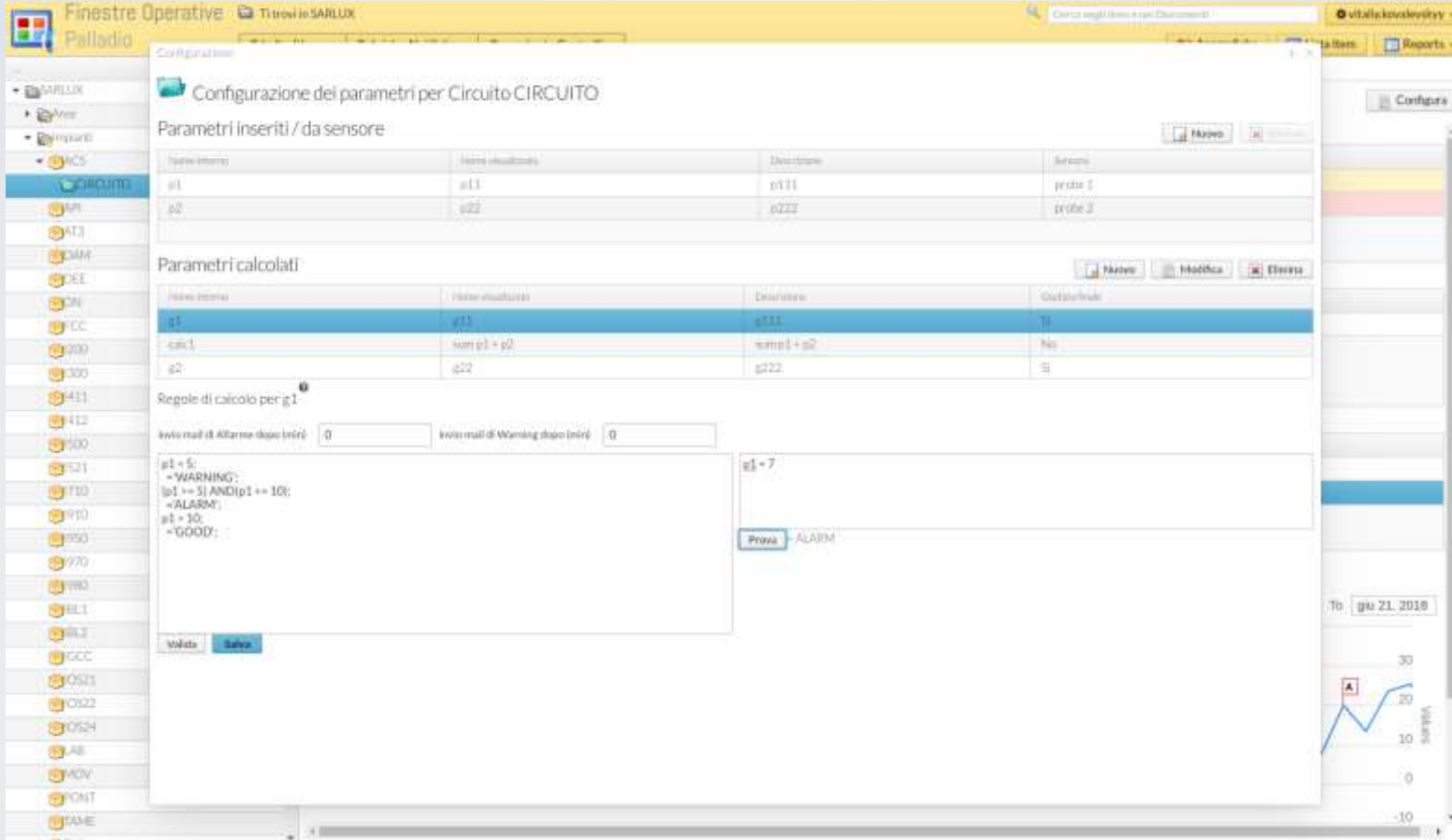
Software for Asset Integrity  
and 3D Asset Management

The purpose of the application is to ensure that the equipment used in the facilities will operate under conditions that do not involve unforeseen damage mechanisms.



# Defining the IOW

For each equipment (or circuit), a set of process variables or their combination can be selected, to which operating ranges can be set.



The screenshot displays the 'Configurazione dei parametri per Circuito CIRCUITO' window. It is divided into several sections:

- Parametri inseriti / da sensore:** A table listing input parameters from sensors.
- Parametri calcolati:** A table listing calculated parameters and their status.
- Regole di calcolo per g1:** A text area for defining calculation rules and alarm levels.

Nome intero	Nome visualizzato	Descrizione	Sensore
g1	g11	g111	probe 1
g2	g22	g222	probe 2

Nome intero	Nome visualizzato	Descrizione	Qualificativo
g1	g11	g111	SI
calc1	sum g1 + g2	sum g1 + g2	No
g2	g22	g222	SI

Regole di calcolo per g1

Invio mail di Allarme dopo (min):     Invio mail di Warning dopo (min):

```
g1 = 5;  
=WARNING:  
(g1 == 5) AND (p1 == 10);  
=ALARM:  
g1 = 10;  
=GOOD:
```

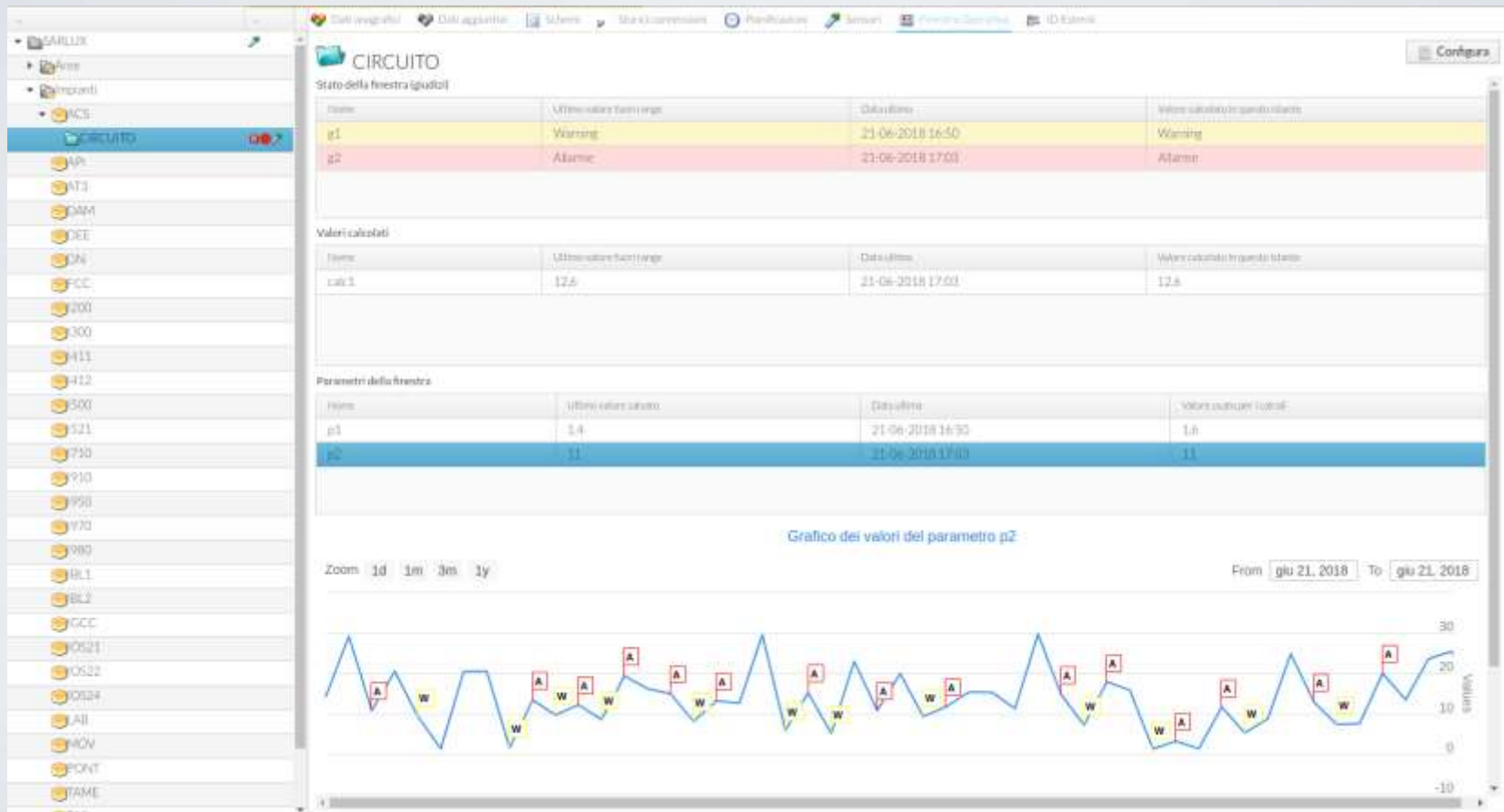
Prova ALARM

The system must have in-line process data (temperatures, flow pressures and more) and the results of fluid laboratory analysis (with measurements, for example, pH, H<sub>2</sub>S concentration). Therefore, a connection must be made to both the DCS system of the plant and the laboratory analysis management software.

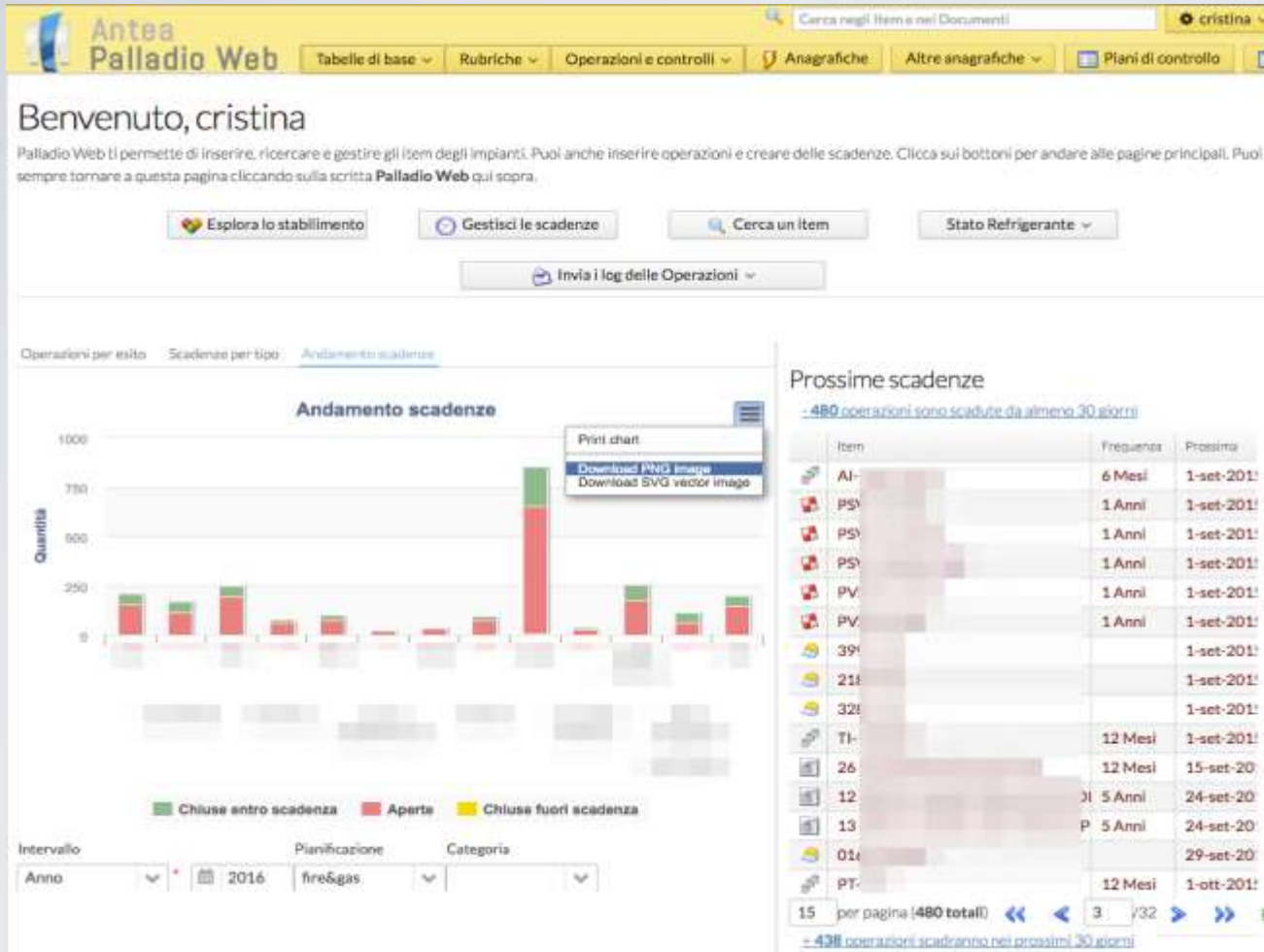


# Warnings and Alarms

If a IOW is in an alarm or warning state, the system can send an email to users.







The system homepage will also present a dashboard containing information on the status of the alarms in progress (see Figure 2 for an example of a dashboard).



# Antea

our eyes, your security

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