axial fans int srl

AFIx: industrial air-cooling maintenance software

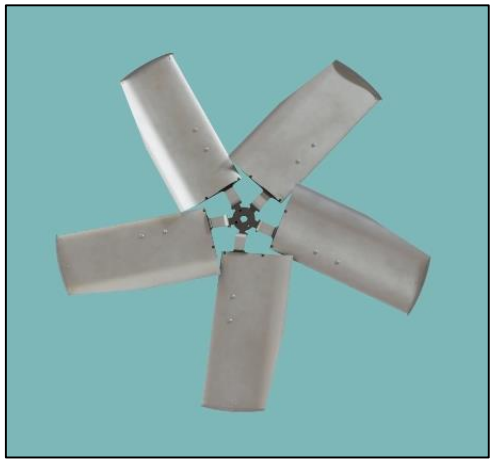
- Besnate, November 2022 -

CMDBuild® DAY 22

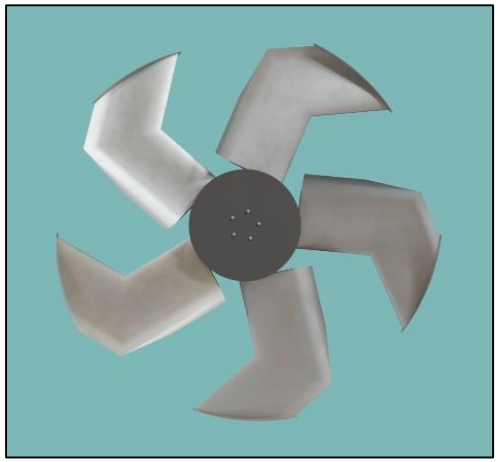
Company Presentation

***Axial Fans Int S.r.l**. is an international company, based in Besnate, Italy, since 2009. It is a leader in design and manufacturing of axial fans for industrial applications, related to air-cooling systems such as cooling towers or air fin heat exchangers. In particular, the company is specialized in low noise and high efficiency solutions.*

Our patented products are currently installed in thousands of plants worldwide, operating in critical environments and challenging climates.



SML Solution



Stealth Solution

Industrial Applications

Our axial fans are mainly installed in cooling plants located at refineries, petrochemical plants, power stations, resulting in with the consequence that numerous fan units have to be managed and maintained

Need for a cloud-based software tool to record and catalogue large amounts of data and information in order to improve the management of fans installed at plants

Solution

Management application software:

OpenMaint

Reasons for our choice:

- *Full-featured application*
- *Flexible and customizable*
- *Adaptable to multiple context*

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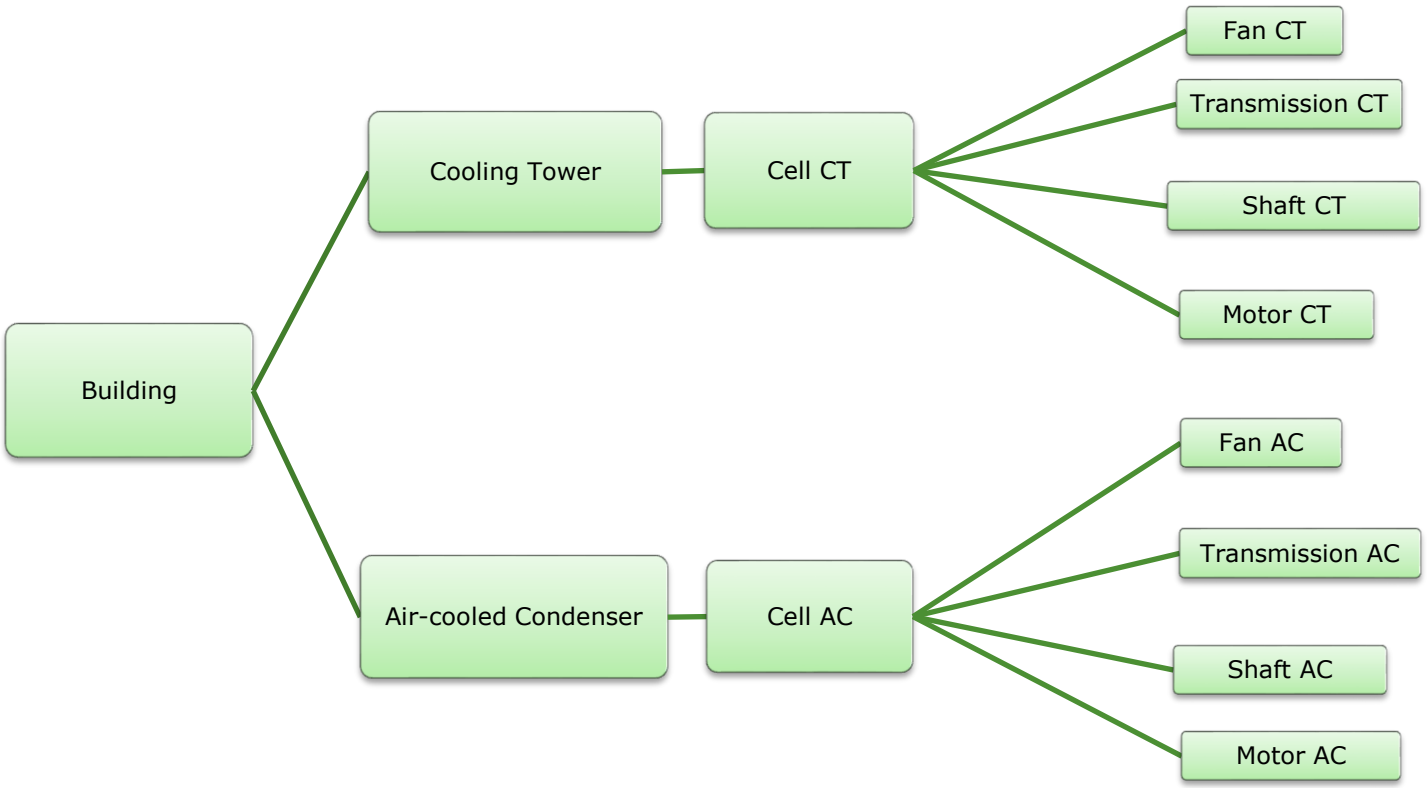
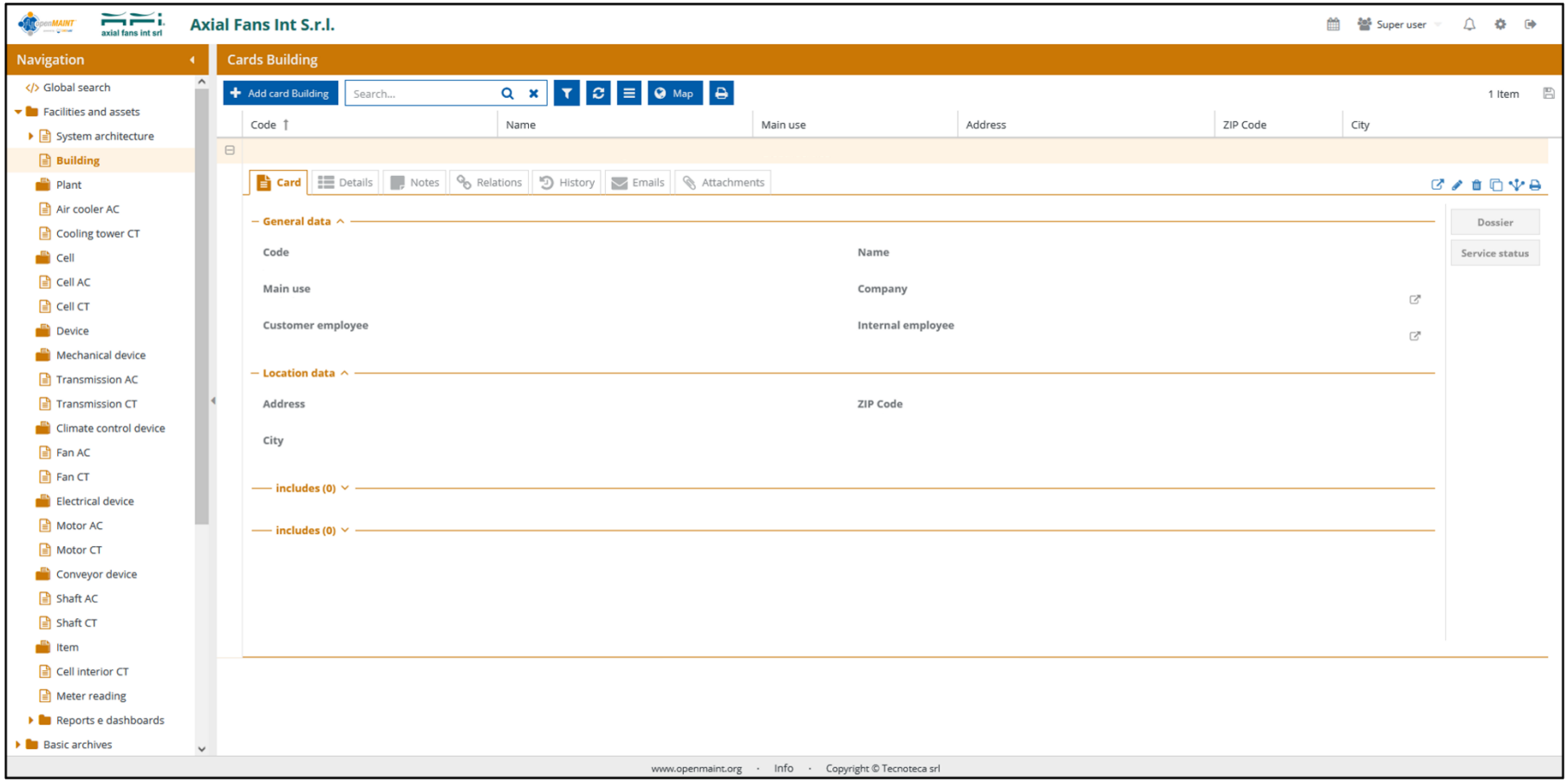
Data management

Plant Tree Diagram Organization



Based on this, ad hoc data management data sheets were generated, taking advantage of the existing master data and customizing it to our needs

Building


Axial Fans Int S.r.l.
Super user
Navigation
Global search
Facilities and assets
System architecture
Building
Plant
Air cooler AC
Cooling tower CT
Cell
Cell AC
Cell CT
Device
Mechanical device
Transmission AC
Transmission CT
Climate control device
Fan AC
Fan CT
Electrical device
Motor AC
Motor CT
Conveyor device
Shaft AC
Shaft CT
Item
Cell interior CT
Meter reading
Reports e dashboards
Basic archives
Cards Building
Add card Building
Search...
Map
1 Item
Code
Name
Main use
Address
ZIP Code
City
Card
Details
Notes
Relations
History
Emails
Attachments
General data
Code
Name
Main use
Company
Customer employee
Internal employee
Location data
Address
ZIP Code
City
includes (0)
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Dossier
Service status
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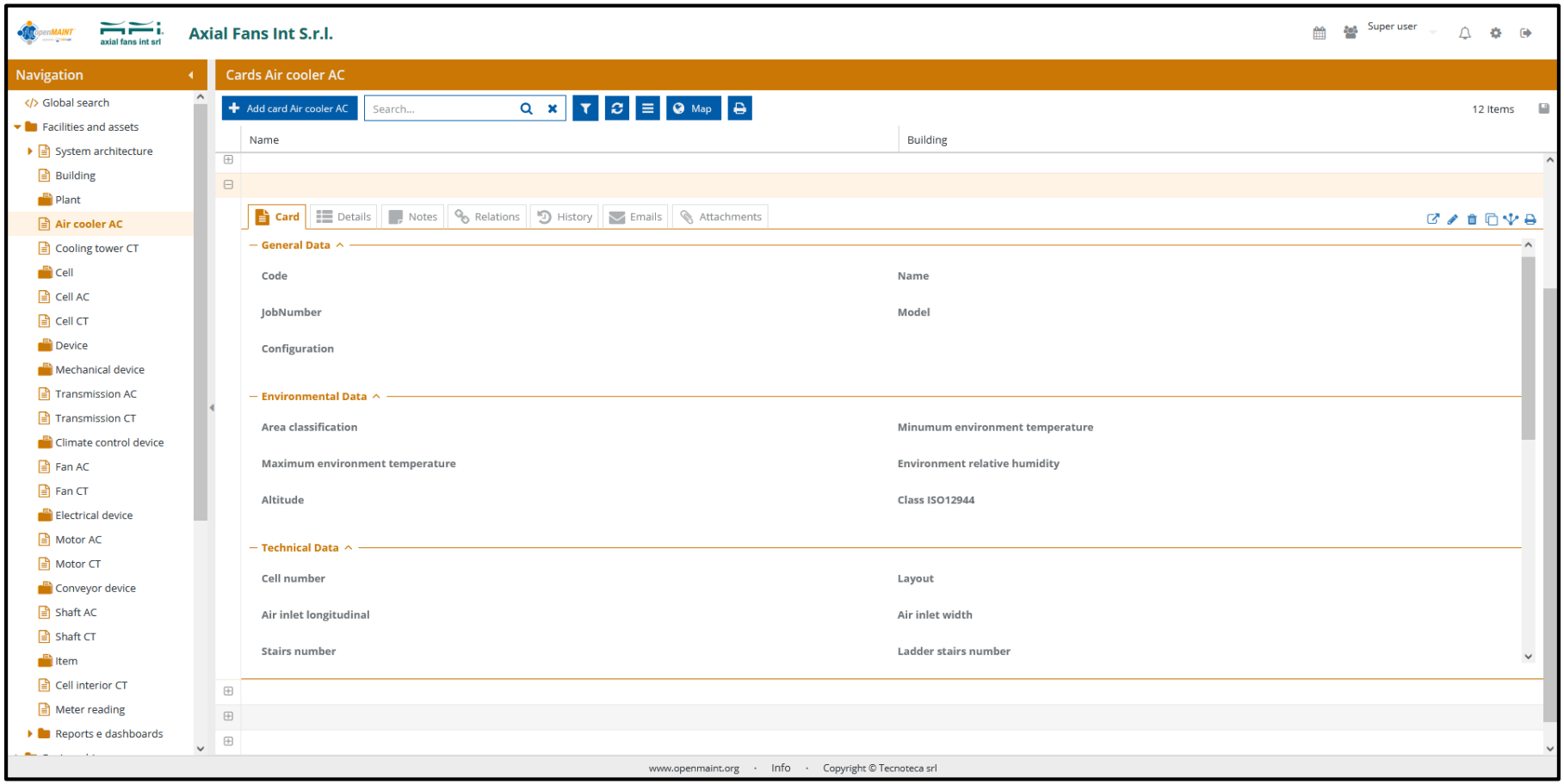
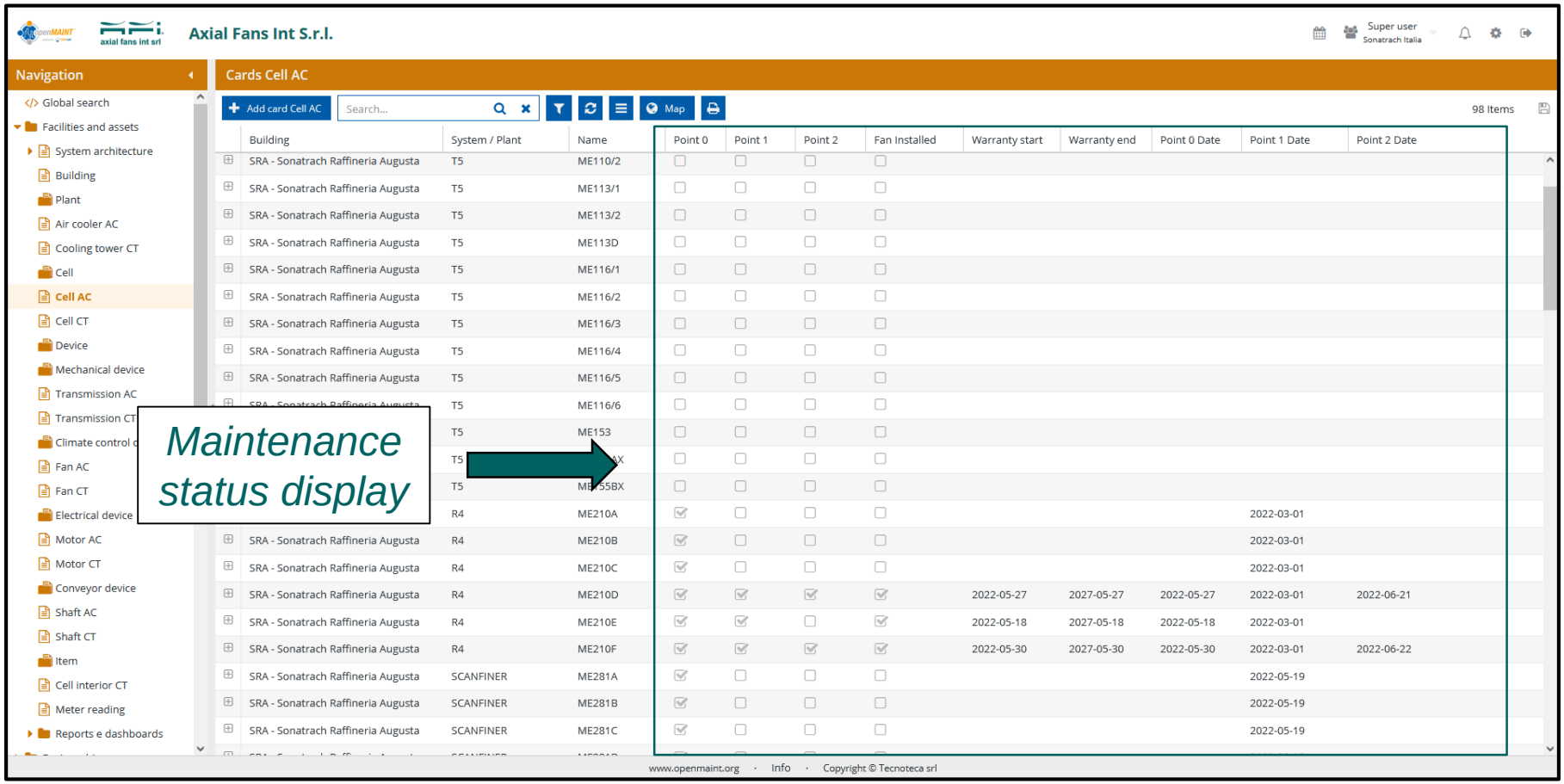
Air-cooled Condenser AC



Cell AC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Fan CT
Electrical device
Motor AC
Motor CT
Conveyor device
Shaft AC
Shaft CT
Item
Cell interior CT
Meter reading
Reports e dashboards
Add card Cell AC
Search...
Map
98 Items
Building
System / Plant
Name
Point 0
Point 1
Point 2
Fan Installed
Warranty start
Warranty end
Point 0 Date
Point 1 Date
Point 2 Date
SRA - Sonatrach Raffineria Augusta
T5
ME110/2
ME113/1
ME113/2
ME113D
ME116/1
ME116/2
ME116/3
ME116/4
ME116/5
ME116/6
ME153
R4
ME210A
ME210B
ME210C
ME210D
ME210E
ME210F
SCANFINER
ME281A
ME281B
ME281C
2022-03-01
2022-05-27
2027-05-27
2022-06-21
2022-05-18
2027-05-18
2022-05-30
2027-05-30
2022-06-22
2022-05-19
Maintenance status display
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Info
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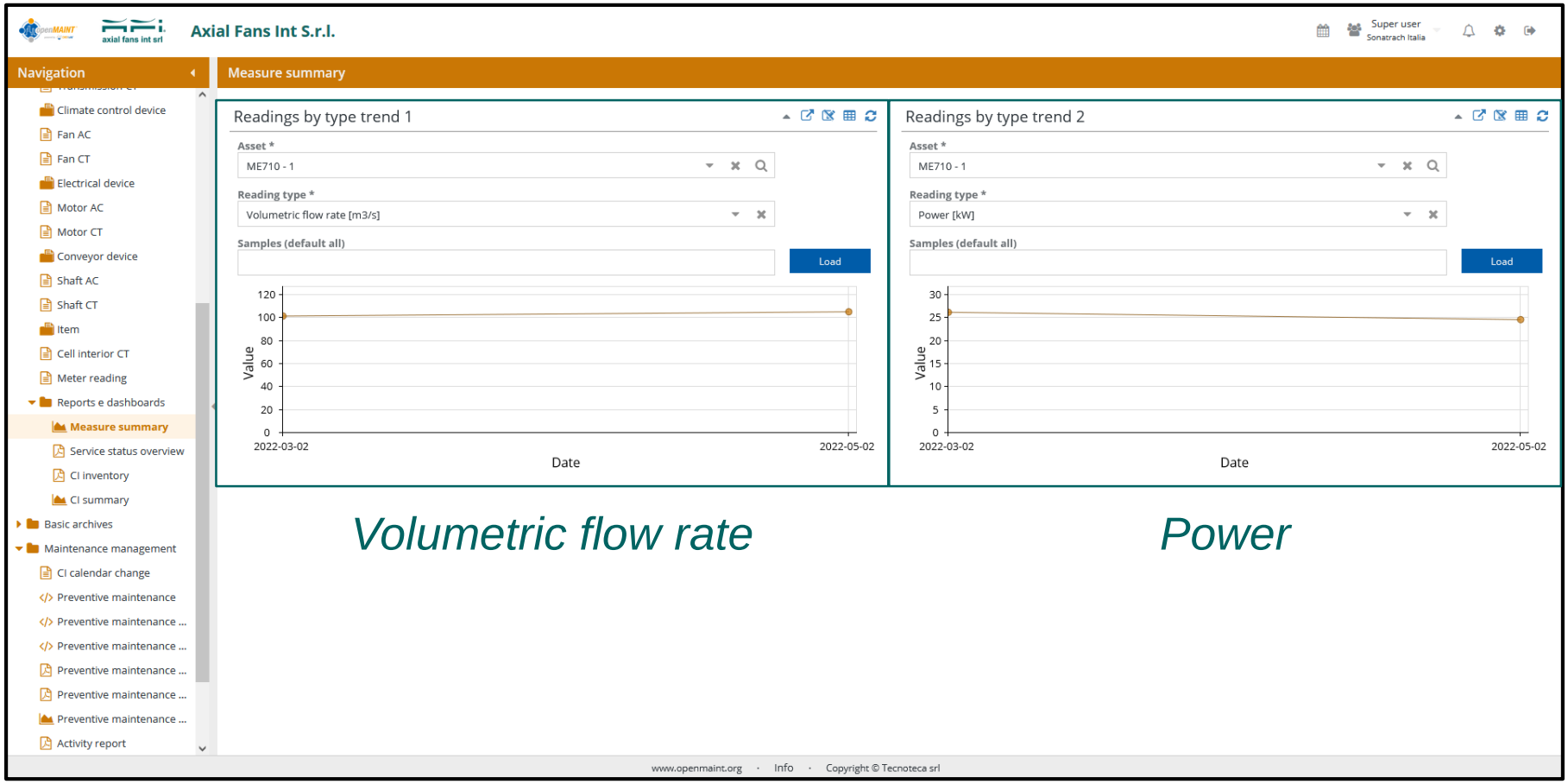
Measure summary chart



Volumetric flow rate

Power

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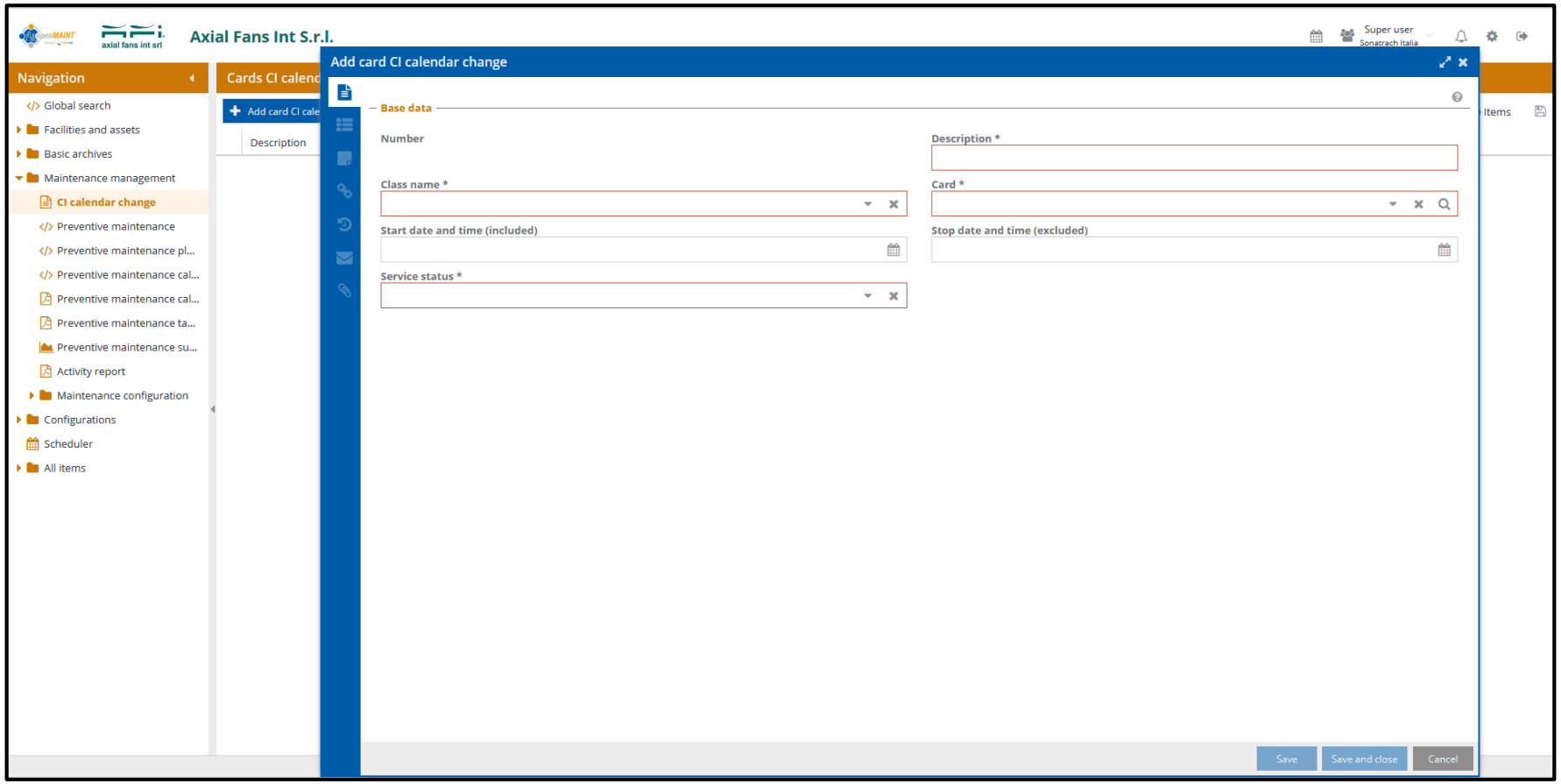
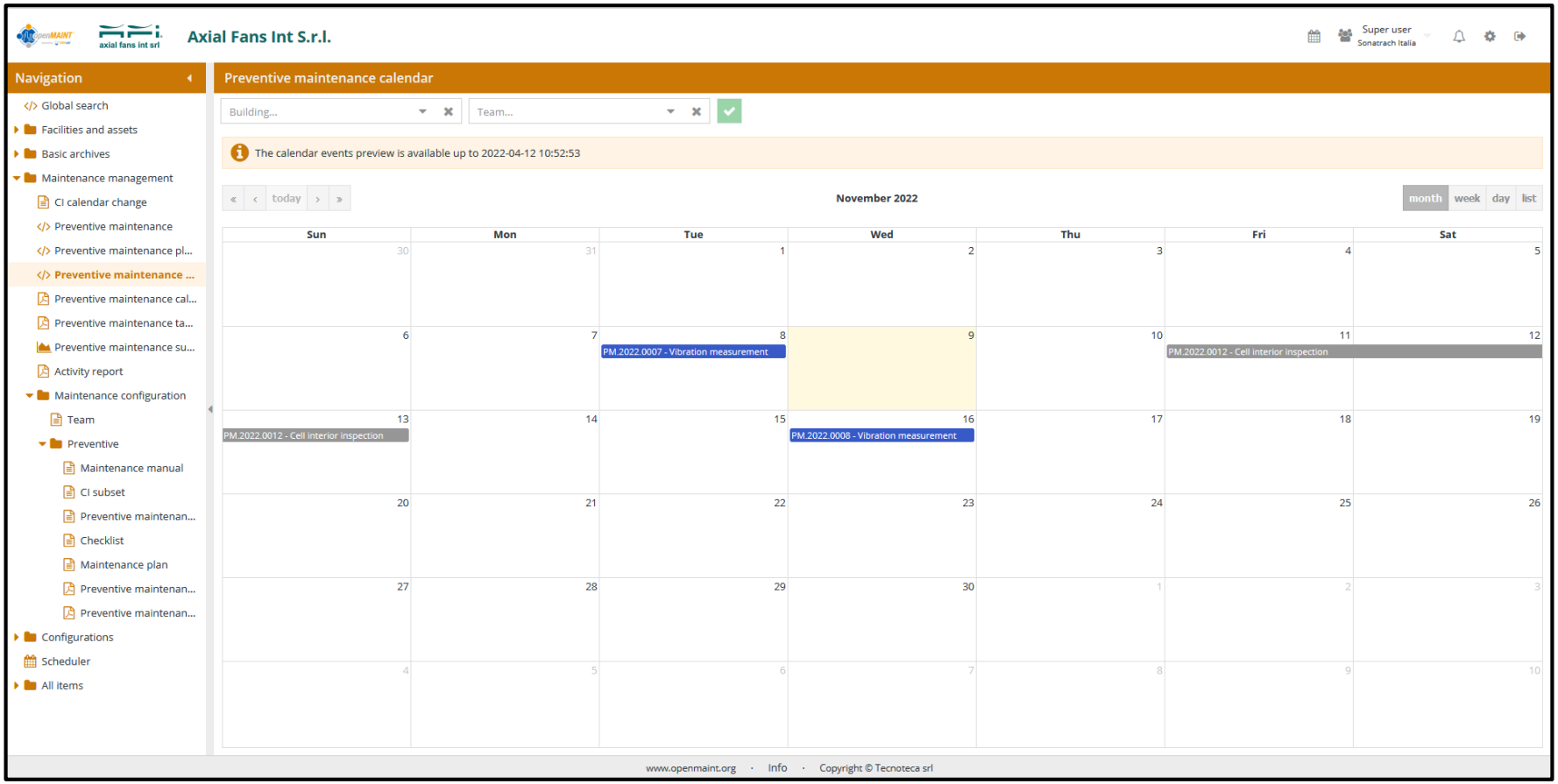
Maintenance management

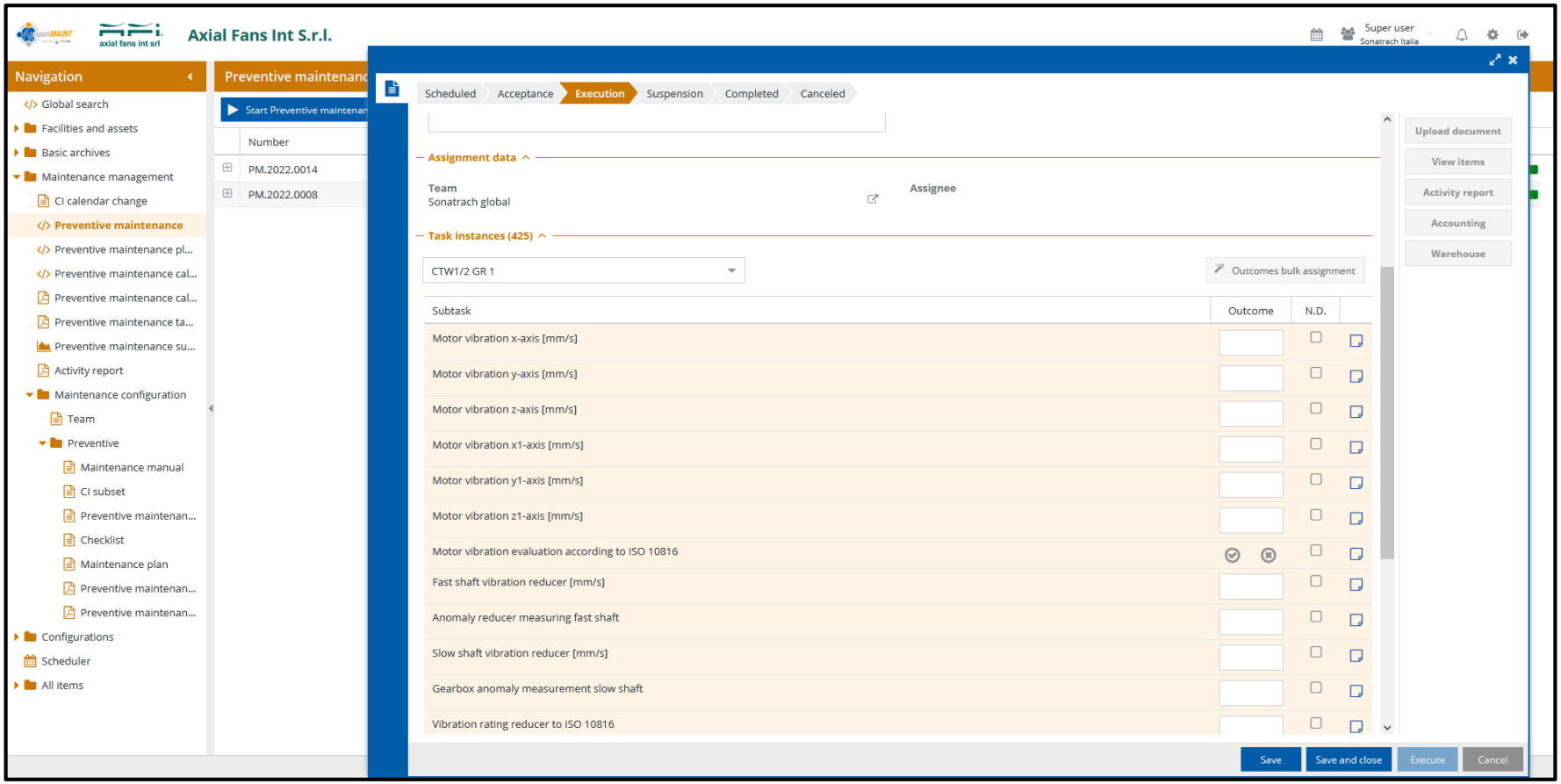
Fault reporting



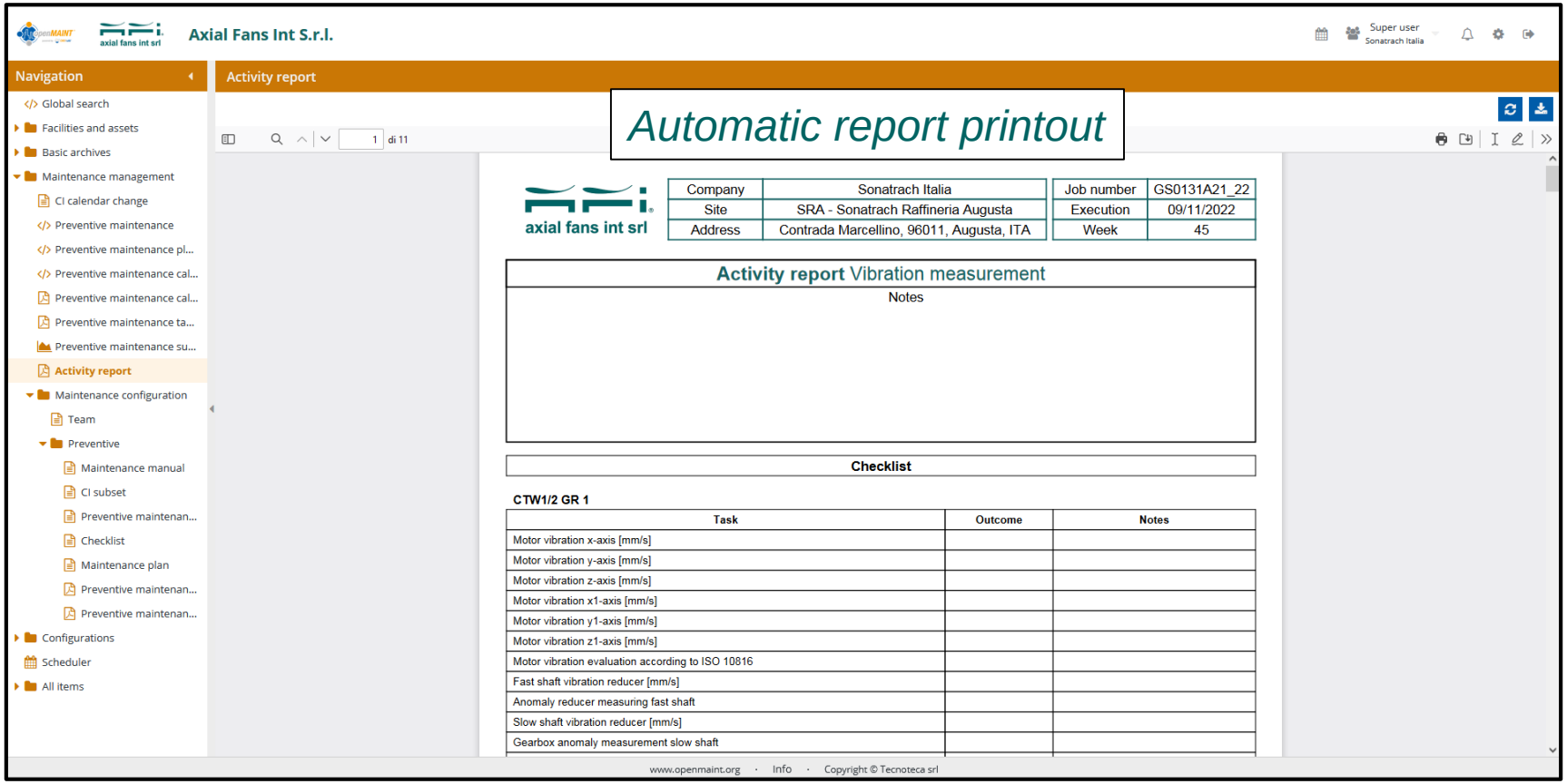
Preventive maintenance calendar



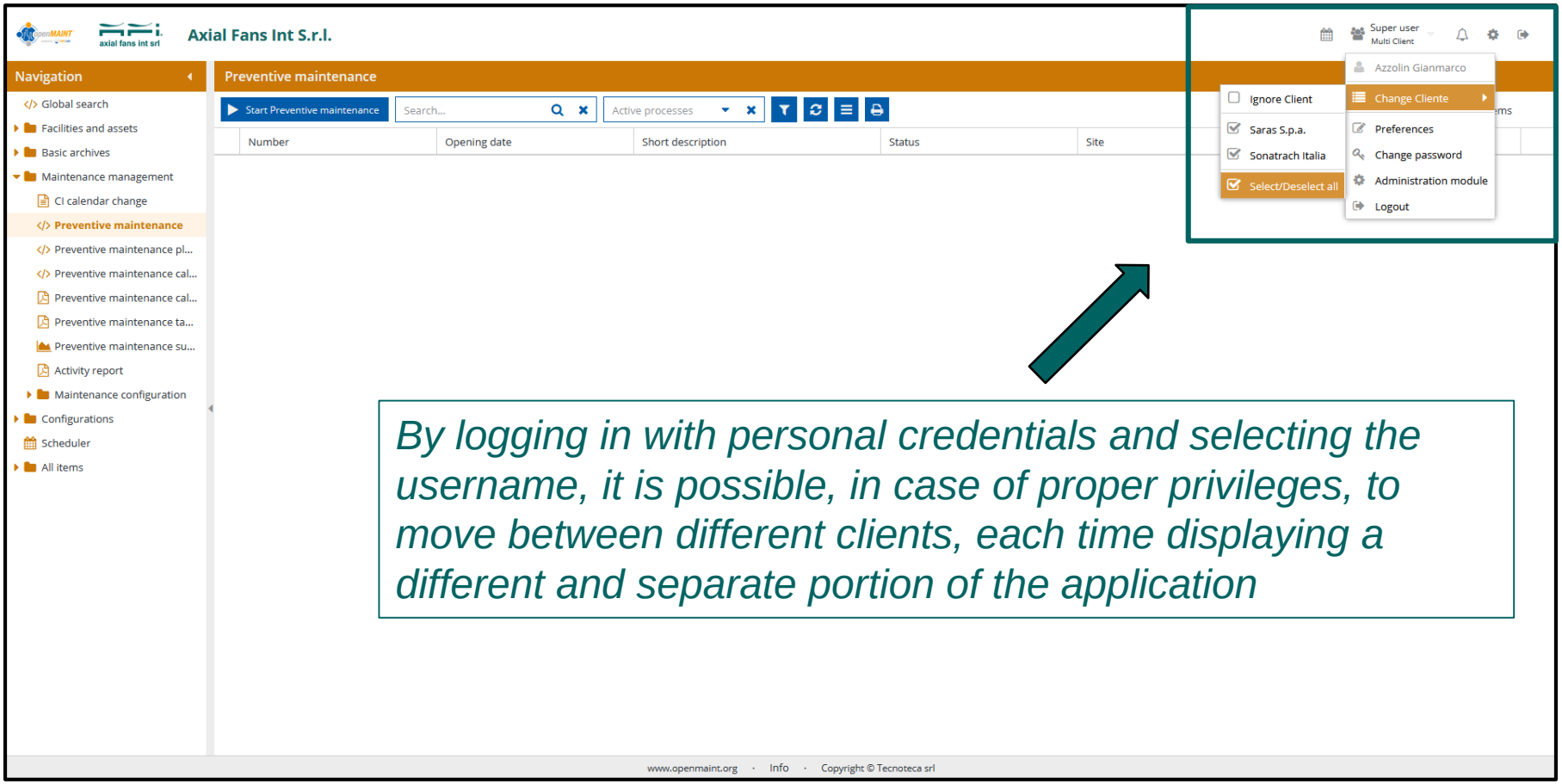
Checklist compilation



Maintenance report



Multi-tenant access



By logging in with personal credentials and selecting the username, it is possible, in case of proper privileges, to move between different clients, each time displaying a different and separate portion of the application

Foreseen benefits from OpenMaint using

- *Consistent information storage*
- *Accessibility*
- *Easy identification of spare parts*
- *Predictive/preventive maintenance aid*
- *Accurate monitoring of energy consumption*
- *Downtime reduction*
- *Plant availability and reliability increase*
- *Improved communication between maintenance teams (i.e., automatic messages and alerts)*

Thank you for your attention