



NeoEnergy

Smart energy production and
consumption management

INTRODUCTION

To **optimize energy use**, it is necessary to be able to manage a complex system with **multiple variables**, especially when it comes to energy from renewable sources.

Production, consumption, hourly energy costs, battery management, scheduling of energy-intensive activities are just some of the situations that organizations coordinate and manage.

Neodata's solution is designed to simplify this process, providing a tool that helps you make data-driven decisions while **fully exploiting the potential of your energy resources**.



NEOENERGY

NeoEnergy is a cutting-edge energy monitoring solution designed for integrated energy system providers and renewable energy plants.

It enables both suppliers and end customers to monitor and track energy production, consumption and sustainability indicators.

Leveraging artificial intelligence, NeoEnergy provides detailed, real-time energy analytics, providing valuable insights that allow you to quickly identify areas for optimization and improve overall energy efficiency.

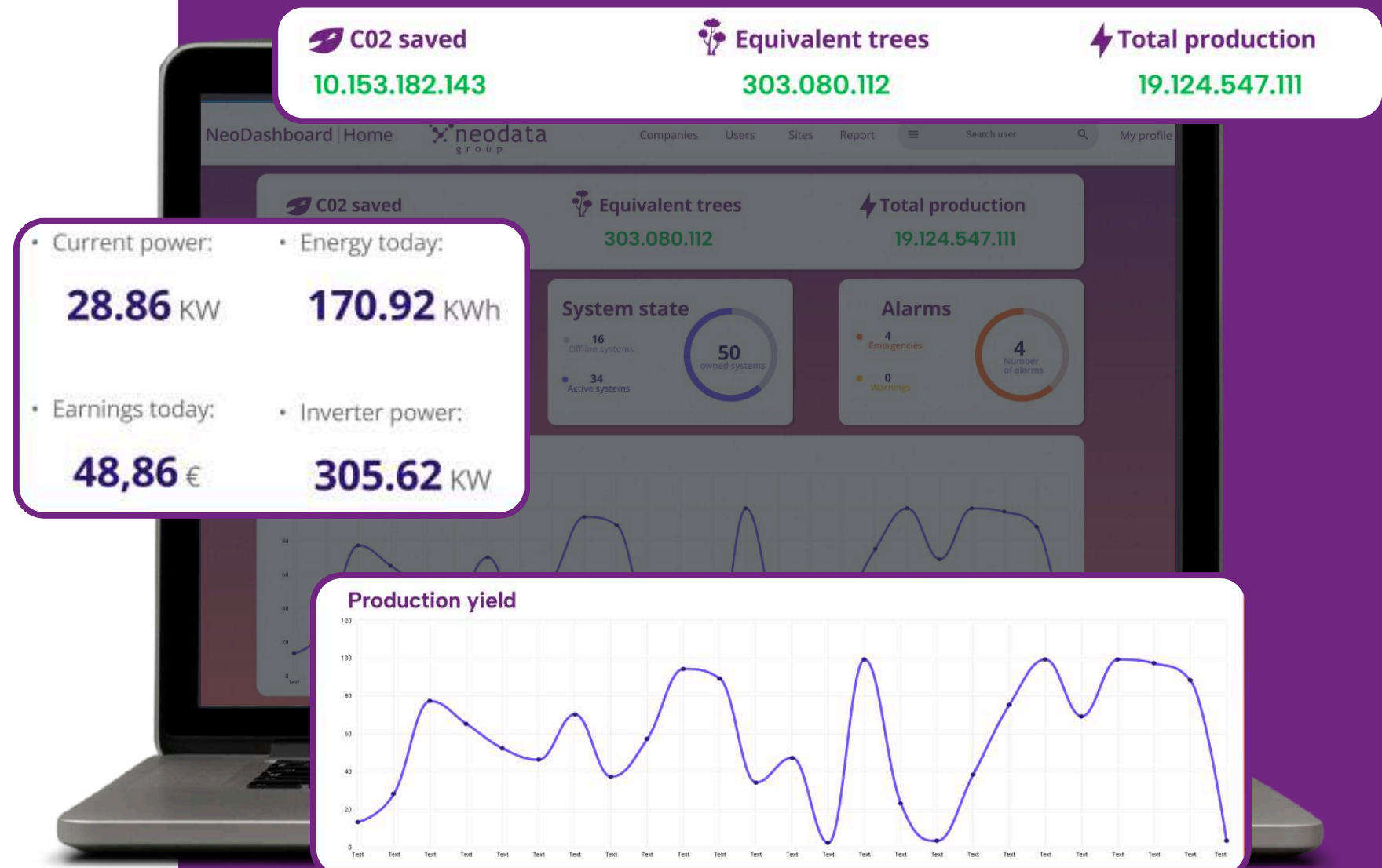


THE SOLUTION

NeoEnergy is a **B2B2C** solution provided in SaaS mode.

It allows you to **enrich your portfolio of services**, whether it is aimed at the residential/domestic market or the commercial/industrial sector.

Furthermore, the service **allows companies to align with the principles of Industry 5.0**, promoting innovation and efficiency in energy management.



HOW IT WORKS

Data collection



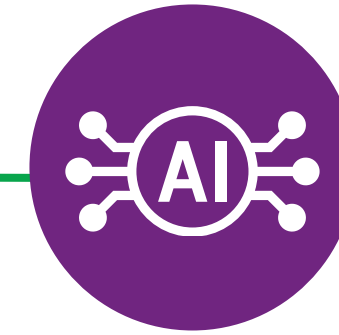
Real-time data collection for continuous plant monitoring.

Data Monitoring



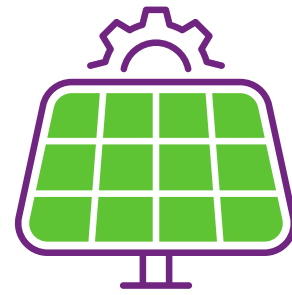
The collected data is analyzed together with other variables, such as weather data and historical data.

Intelligent Analysis



Visualize and monitor energy production and consumption, with advanced AI-based analytics.

FEATURES



Integrated Optimization of Energy Production and Consumption

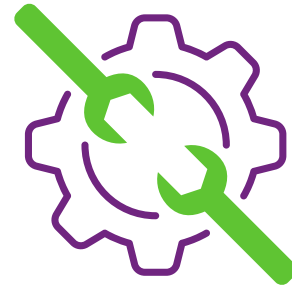
NeoEnergy provides a **holistic perspective on the energy supply chain** by monitoring both production and consumption. Unlike standard tools, **NeoEnergy integrates data from multiple systems for enterprise-wide energy monitoring**, helping to identify inefficiencies and improve self-consumption.



AI-based forecasting and optimization

NeoEnergy uses **artificial intelligence to analyze real-time internal and external data**, such as weather conditions and historical plant performance data. This enables **accurate forecasts up to 72 hours ahead**, enabling proactive optimization of energy use by adjusting production and consumption based on fluctuations.

FEATURES



Easy-to-use panel for your customers

With our **intuitive platform**, monitoring and managing energy consumption and production has never been easier for you and your customers. **Accessible via both web and mobile**, our solution provides a simple and intuitive interface, designed to enable smarter decisions.



Universal compatibility and technological flexibility

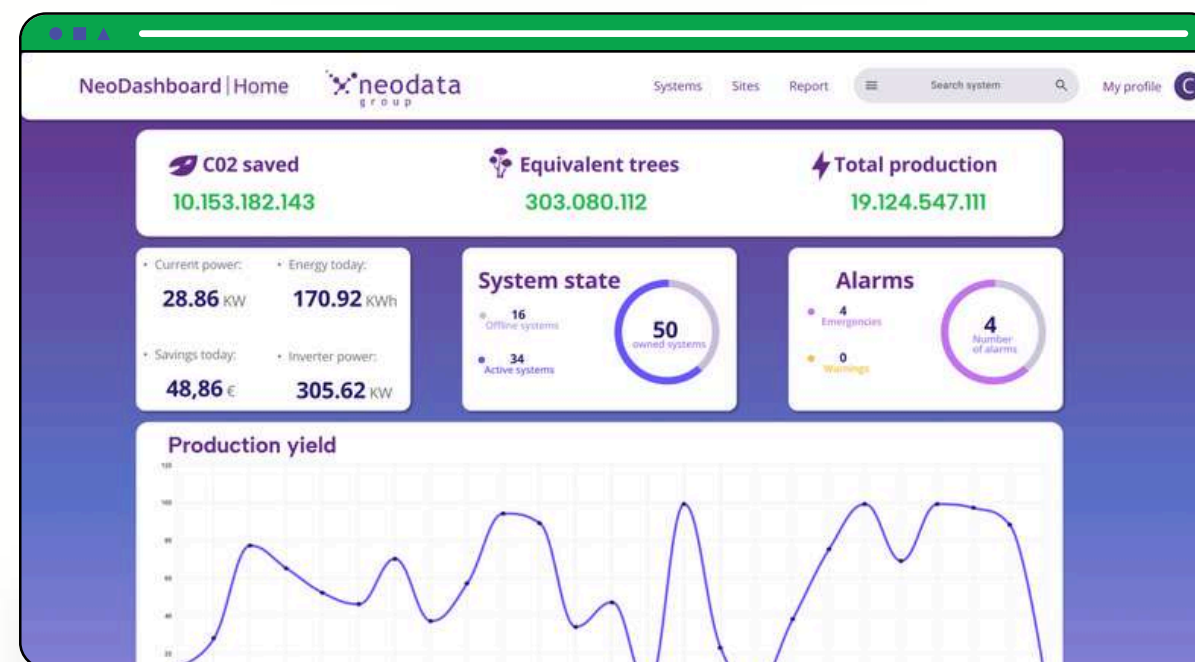
NeoEnergy is **agnostic in terms of underlying technology**: it works with any panel or energy system thanks to a smart decoupling layer. **It allows the integration of different technologies**, such as SolarEdge, Huawei and protocols such as MODBUS TCP/IP, offering maximum flexibility and scalability.

2 PANELS DESIGNED FOR DIFFERENT USERS



Management Panel

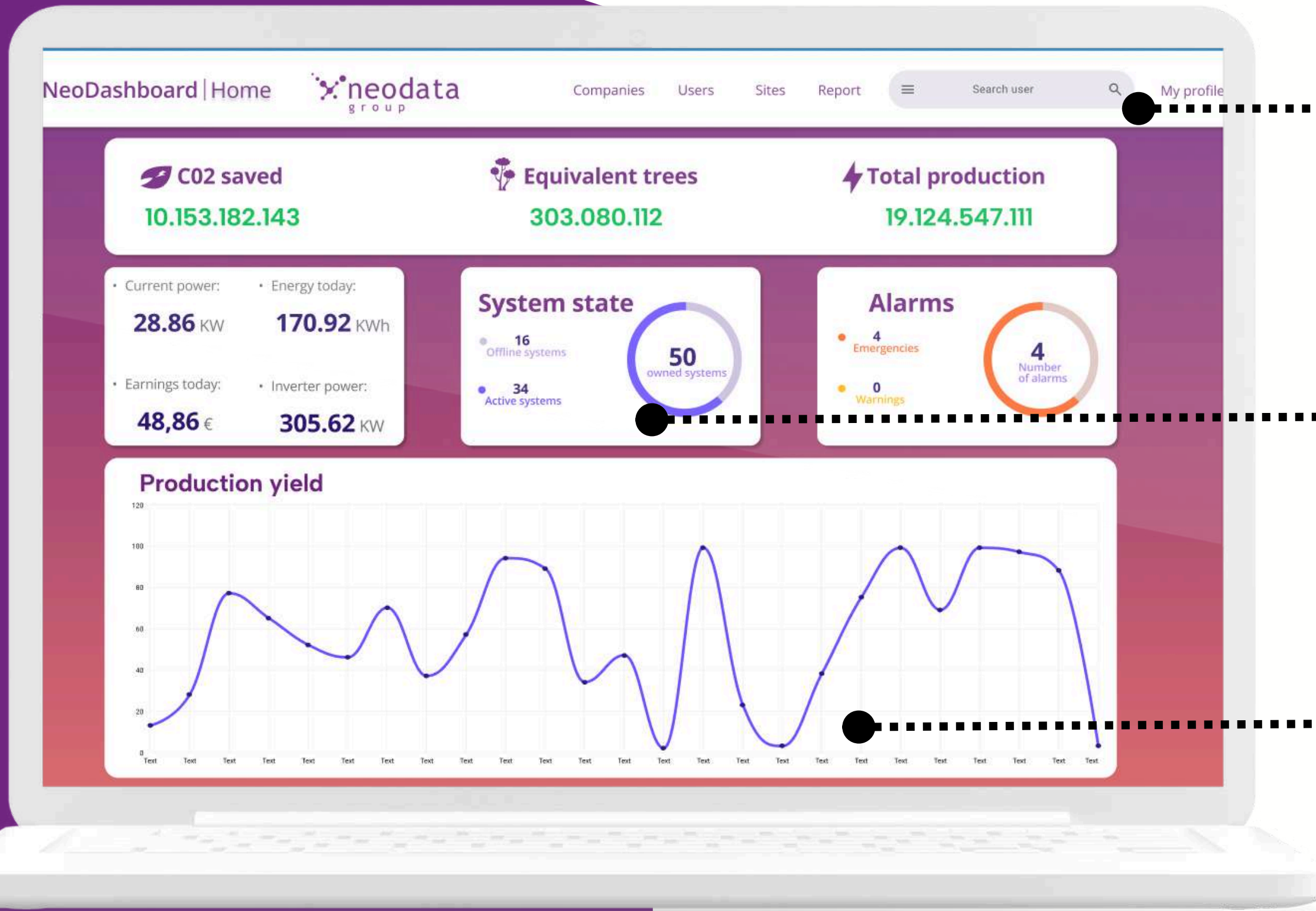
Designed to constantly monitor your plants, integrated with alarms to offer a consistent and timely support and maintenance service



Customer Panel

An intuitive panel with key information to know consumption, production and economic, energy and environmental savings at any time

MANAGEMENT PANEL



Header

Track customer installations, monitoring the progress of each site and collecting customer requests in the reporting area

Control Panel

Gain valuable insights into plant performance and health, as well as revenue, savings and sustainability KPI metrics.

Production Forecaster

It monitors not only your current energy production, but also that of the next 72 hours.

MANAGEMENT PANEL

NeoDashboard | Home



Companies

Users

Sites

Report



Search site



My profile



Companies

In the companies section you can access the list of your customers with the main data relating to their facilities, click on the customer to view the dashboard of their facilities keeping everything always under control

New site

Customer	ID	Location	Pod	Power Peak Size	Yearly Guaranteed Production	SolarEdge ID	Huawei ID	Actions
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Company One Updated	67af9996-c682-4c36-83c2-aff1af4b705	Via Milano125	POD9876543210	2000.75	25000.80	25000.80	445577	
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Company Two Updated	67af9996-c682-4c36-83c2-aff1af4b705	48.67890, 79.87654	POD9876543210	2000.75	25000.80	25000.80	445577	
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MANAGEMENT PANEL

NeoDashboard | Home



Companies

Users

Sites

Report



Search user



My profile



Users

In the "Users" section, access a complete list of your customers, with key details about their energy facilities and all relevant information.

This section can be integrated with your CRM, providing enriched data and a unified view of customer profiles, enabling efficient management and personalized service delivery.

Name	Address	ID	VAT	Site	Action
M Mario Rossi	Via Milano 125	1234	VAT123456	Select site	+ Edit Delete Dashboard
M Matteo Verdi	Via Oberdan 1	4355	VAT123456	Select site	+ Edit Delete Dashboard
P Paola Bianchi	Via Napoli 234	5654	VAT123456	Via/Piazza Via Milano 234 Via Antonino Bianchi 2 Via Cuorleone 34 Via Assago 90	+ Edit Delete Dashboard
A Agatino Gialli	Via Bologna 87	6543	VAT123456	Select site	+ Edit Delete Dashboard
G Gianluca Azzurri	Via Tondi 37	3245	VAT123456	Select site	+ Edit Delete Dashboard
G Giovanni Spata	Via Teseo 203	3257	VAT123456	Select site	+ Edit Delete Dashboard

CUSTOMER DASHBOARD

NeoDashboard | Home



Systems Sites Report

Search system

My profile

Client Dashboard

The same intuitive dashboard for quick access to personal information only. This panel, also available on mobile devices, allows you to monitor essential metrics at any time and allows customers to easily submit support requests.

C02 saved
10.153.182.143

Equivalent trees
303.080.112

Total production
19.124.547.111

• Current power: **28.86 KW**

• Energy today: **170.92 KWh**

• Savings today: **48,86 €**

• Inverter power: **305.62 KW**

System state

16 Offline systems

34 Active systems

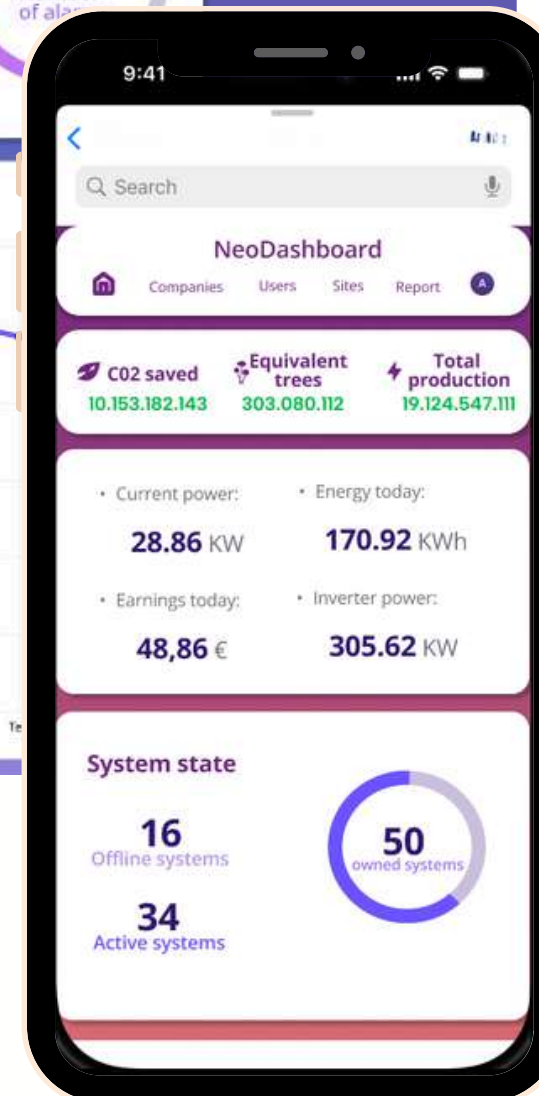
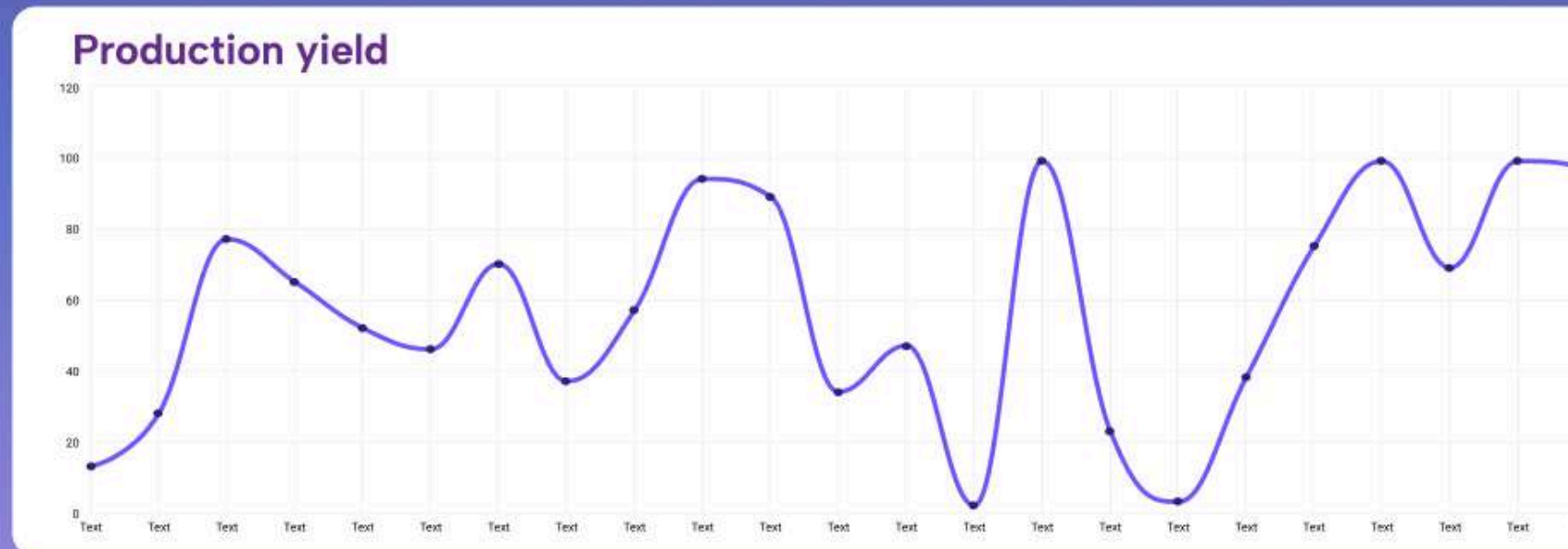
50 owned systems

Alarms

4 Emergencies

0 Warnings

4 Number of alarms



Discover the future of energy management

Our team is ready to provide you with personalized insights and answer any questions you may have. Don't miss this opportunity to explore the full potential of our offerings and see firsthand how we can support your goals. We look forward to connecting with you soon!

[Contact us](#)

Contacts

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