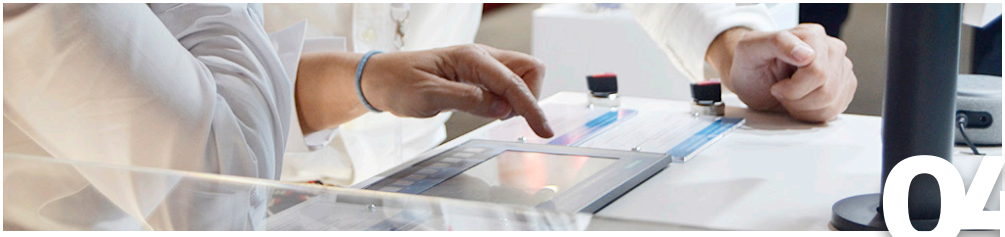
netin

PREPARE YOUR INFRASTRUCTURE FOR THE INDUSTRY 4.0

MONITORING - MACHINE LEARNING - CYBERSECURITY - IoT

PAVE THE WAY TO SUCCESS

WHAT IS NETIN?

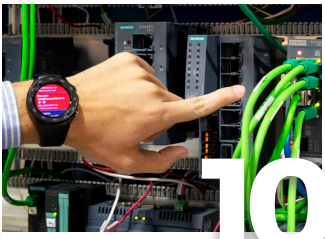


04

netinDS

06

netinHUB

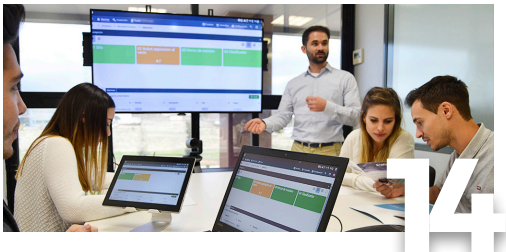


10

netinAM

12

SERVICES

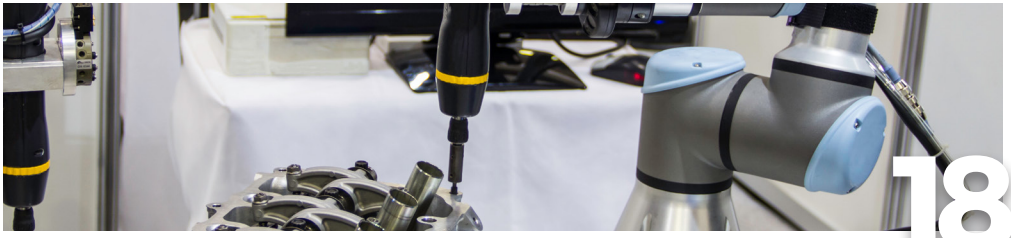


14

SHOWROOM

16

SUCCESS STORIES



18

NETWORK INTELLIGENCE

Network Intelligence Systems, better known as Netin, is a set of tools and systems to monitor and diagnose large OT infrastructures (Operational Technology) and modern systems of industrial automation.

In the industrial digitalization context, Netin integration possibilities with IIoT platforms is the key to transform facilities and infrastructures.

PREPARE YOUR INFRASTRUCTURE FOR THE INDUSTRY 4.0

netin DS

MONITORING AND DIAGNOSIS

netin HUB

OT and IIoT INTEGRATION

netin AM

CYBERSECURITY

Increasing the availability is a strategic goal

Do you know how to identify and attack the most likely point of failure?

Processes quality depends on the availability of measurement devices, anticipating potential failures is essential

Netin is the perfect tool for the professionals of the area which makes easier the daily maintenance and operation task, detecting in advance potential risky situations to solve them in a more efficient way.

Its integration with IoT platforms and IT system set up the appropriate ecosystem to have the information in the right place and time.

netin DS

NetinDS is a monitoring and diagnosis system for industrial facilities and OT infrastructures, designed and developed specially for the industry, based on the main supervision protocols and on the most well-known and extended standards.

An only tool to reach all your systems and integrate them in a easy way.

- Supervisión in real time
- Configurable and customizable
- IoT and IT integration
- System and user alarms

A STEADY NETWORK IS THE KEY TO PRODUCTIVITY

Avoiding unscheduled downtimes key to maintenance

Your facility stops because of failures that can be automatically detected?

Monitoring and diagnosis in real time...

Monitoring

Monitoring and diagnosis in real time of the whole of the devices and systems that form your industrial facilities and OT infrastructures (fieldbuses, network, PROFINET I/O devices, SIMATIC CPU, industrial network electronics, topology network, network traffic).

Auditing

Set up your own standards and check its achievement constantly with the auditing tools and the possibility to create user templates fully personalised (auditing process always active, creation of your own standards and knowledge database).

Integration

Integrate all your industrial systems and devices under an only monitoring and diagnosis tool thanks to the application of your own standards, industrial standards, and to the development of customized drivers.

Forensic Analysis

Trace, analyse and find out the reasons of the problems in your industrial facilities in order to solve the events that caused them in the first place in a more efficient way, by registering controllers events logs (Diagnostic Buffer), SNMP Traps, Syslogs, user alarms...

How is it made?

NetinDS is a distribution system by means of a complete agents network that allows you to reach all the systems and devices that form your infrastructures, and that makes easier to access your information in real time, anywhere you are, and with any device, through its web interface.

NetinDS WebUI

NetinDS WebUI

Web responsive interface, based on HTML5 and CSS3, from which it is possible to get to all the system resources and configuration options.

NetinDS Server

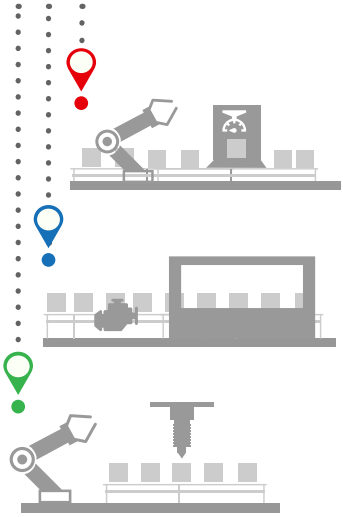
NetinDS Server

It is the core of NetinDS system, it develops all the tasks concerning agents' coordination, information storage, configuration management... Server configuration for 200 Agents.

NetinDS Agent

NetinDS Agent

With hardware and software versions, they capture and manage the information from the systems and devices.



Guaranteeing productivity is essential for your business

Are your facilities working in the expected cycle time?

Netin WEBUI, a window to NetinDS...

Design your own display

With the customizable **NetinDS** templates it is possible to configure different device panels using widgets that allows you to represent visually the information.

Hierarchical states display

The facilities hierarchy structure allows NetinDS to group the information of alarms and states to show the situation of all the facilities, not only the conditions of devices and systems in an isolated way.

Alarms and events display

NetinDS organizes alarms and notifications in different levels according to their severity and catalogues every event according to its origin.

Monitor all the equipment in your network

The alarms and devices in **NetinDS** can be catalogued by "facilities", so it is possible to discern for each location which alarms belong to the communications infrastructure or to the industrial network.

Visualize all the relevant information from your devices

With the customizable NetinDS templates it is possible to integrate in an only display and monitoring tool all the relevant information of an equipment.

netin HUB

NetinHUB is the addon that allows you to integrate and connect NetinDS with the world, making easier the information exchange and adding new functionalities to your monitoring and diagnosis system.

The NetinHUB integration includes document management systems, wearable devices, IoT platforms, SCADA, etc.

- Cloud/on-prem architectures
- IIoT connectivity in real time
- Standards compatibility
- IT/OT integration (SCADA, wearables, DMS, IoT...)

NETIN INTEGRATION WITH ANY DEVICE

How can I integrate it?

NetinHUB-Smartwatch

With the NetinHUB-Smartwatch applications, the smartwatches connect to your monitoring systems without an associated mobile terminal. This way, it makes easier to send the information quickly to whom really needs it.

KPIs, alarms in real time, states and locations management, etc.

IoT Button

With the integration of AWS IoT Button devices in the NetinHUB system, it is possible to report events in with a simple button tap.

SCADA systems integration

NetinHUB allows merging and automating, in an only common point, all the different information sources that are operating in the industrial facilities.

This way, it is possible to link the process events present in the SCADA systems with the advanced diagnosis information that NetinDS supplies.

Machine learning

Ingestion and processing of big data to apply machine learning techniques and achieve a high precision predictive diagnosis.

RESTful API interface

NetinHUB has a complete application programming interface (API) defined on a RESTful architecture that allows the access to all the NetinDS resources in an easy and standardized way.

Incidents and maintenance management with AR

On-line, digitized and updated information (plans, manuals, images, videos...).

Voice alarms and information

Integration of voice devices to the reception and reproduction, in real time, of the alarms notifications configured by the user.

Other integrations...

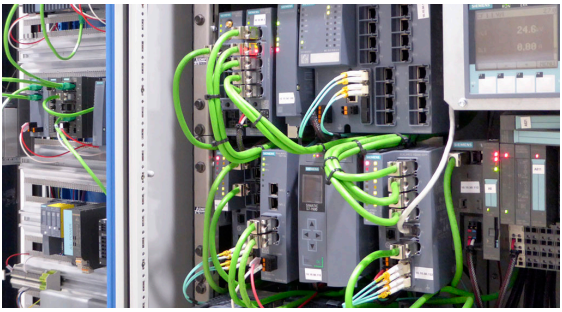
SAP, WinCC OA, SIGFOX, EPlan, Sharepoint, Elastic.

netin AM

NetinAM is the Netin addon to assets management, hardware and software, for large industrial facilities and OT infrastructures.

A reliable hardware and software management is the key to ensure the facilities efficiency, maintainability and security, and NetinAM helps you to get a complete and clear view of all these assets.

- Automated searches
- Modular equipment management
- Devices profiles
- Firmware and equipment versions management



THE KEY TO IMPLEMENT YOUR OT SECURITY POLICY

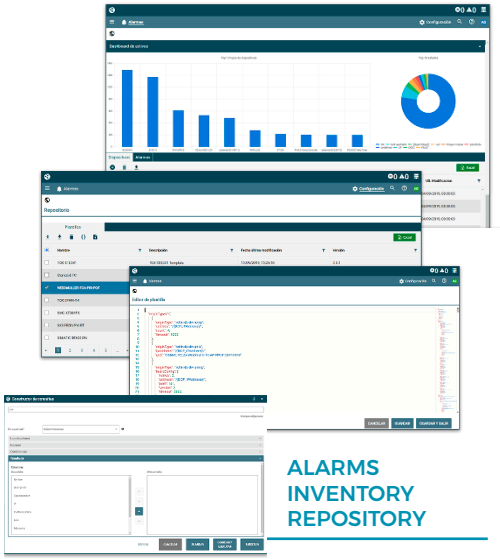
Intrusions in industrial facilities have grown by 57%

Do you have appropriate tools to detect this kind of incidents?

So many features in a single tool...

In-depth knowledge of all the assets in your infrastructure.

- KPIs and detailed information of the monitored devices.
- Devices management: add, delete, bulk import.
- Custom alarms: new, changes or removed devices.
- Alarms acknowledgment (individual or by group).
- Inventory with query builder to create, run, save or edit queries.
- Repository with detailed information of the devices' templates.
- Devices' templates management: add, delete, download.
- Devices' templates editor.



ALARMS
INVENTORY
REPOSITORY

Integration of NVD database

Official repository of security vulnerabilities that enables automation of vulnerability management, security measurement, and compliance.

Alarms configuration

Through templates, to notify about the vulnerabilities detected for the devices monitored by NetinAM.

Devices update

Access to the information about the updates of devices affected to solve the risk from the detected vulnerability.

Services

Consulting

Services of advanced consulting for your integration projects of the Netin systems in your industrial facilities and OT infrastructures.

We walk along with you through all the stages of your project hand in hand with our partners and with the only goal of guaranteeing your success.

We stablish a relationship which allows us to understand all your challenges, and technical and business problems, that you try to solve with the Netin systems, and we work together with our clients to plan and develop recommendations to get their objectives.

Training

Courses, both classroom-based and on-line distance learning, that allows you to improve your knowledge of the Netin tools and take advantage of all their possibilities.

These trainings are directed to:

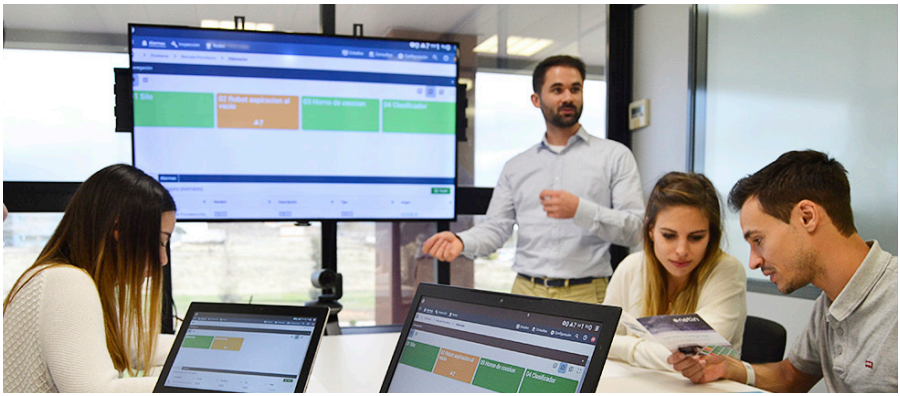
- NetinDS and NetinHUB users.
- Operating and maintenance staff of NetinDS and NetinHUB platforms.
- Specialised integrator staff of NetinDS and NetinHUB.
- Developers who use any NetinDS or NetinHUB APIs.

Technical support

Access to a professional and dedicated support, with our Gold and Platinum subscription, to guarantee your investments and to focus on your objectives.

We guide you and help you during the configuration, installation and implementation of your NetinDS and NetinHUB systems.

We solve any problem or incident that may occur during the process quickly, making easier the integration of the new systems and helping you to get all the possibilities of NetinDS and NetinHUB.



Unexpected network traffic can slow down communications

Can you identify malware presence in your facilities?

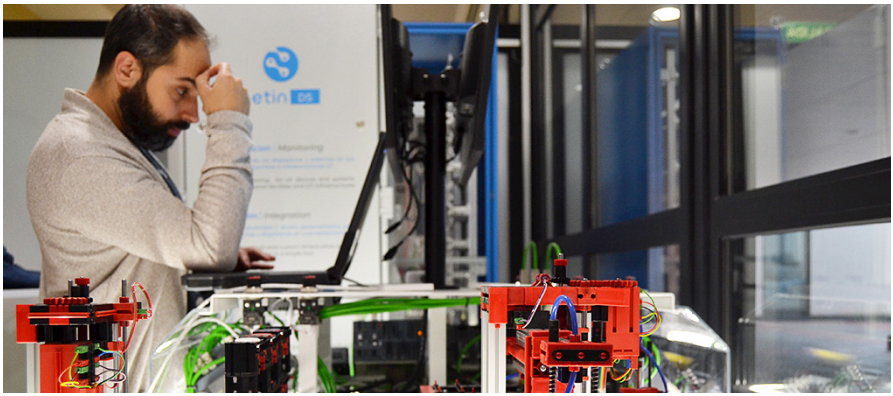
Partners

Would you like to become an official Netin partner?

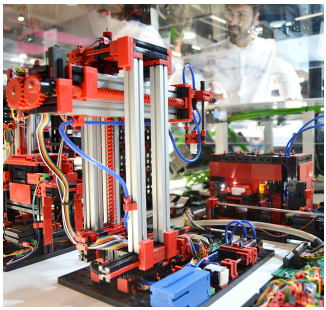
The Netin partners program allows companies to be confirmed as “official and authorized partner” to guarantee their competencies and expertise in the Netin solutions.

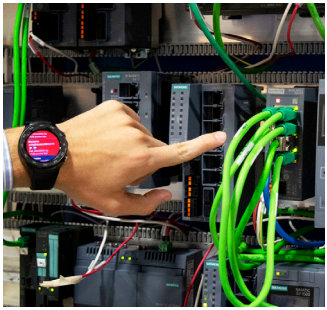
The **Netin Partner** emblem proves the acknowledgement level and commitment with excellence that Netin requires its partners in the representation, distribution, sale and installation of the Netin solutions.

A great opportunity to be positioned as a Netin expert for the industry 4.0.



If your answer to these questions is "Yes"...





Does your facility stop because of wiring problems?

Do you keep looking for faults with a tester?

Do you want to predict crashes devices and micro-cuts?

Don't you have enough time to perform a good maintenance?

Do you want to identify and attack the most likely point of failure?

Do you have problems with your CPU performance?

Does your facility suffer disconnections in the equipment?

Do you need to anticipate any failure in your processes?

Is unexpected network traffic slowing down your communications?

Have you detected an increase of intrusions in your facility?

Do noise and interferences cause micro-cuts in your facility?

Which consequences are you willing to suffer because of a short-circuit?

...Netin is the solution

Visit our SHOWROOM and discover the Netin potential!

Our technicians will show you the benefits of implementing the Netin products.

Would you keep your facility stopped because of incidents that can be automatically detected?

TEST NETIN IN OUR FACTORY TO SCALE

A whole industrial facility totally automated and monitored by NetinDS, with which you can interact and check all the functionalities and the possibilities of Netin.

Success stories

Innovative projects, which include the newest technologies and the latest trends in engineering, automation and software development of the industrial sector, and that have become successful stories which illustrate the Netin leading position in the context of industry 4.0.

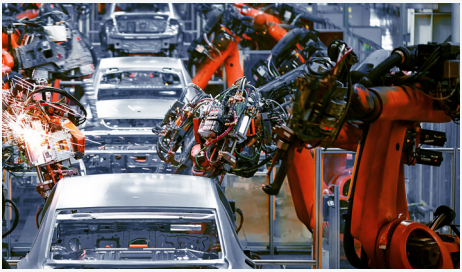
Inspiration and motivation to keep working at the highest level and to reach excellence with our solutions.

Sector AUTOMOTIVE

Strategic sector for the industry is characterised by its constant evolution and innovation nature.

25.000
DEVICES

15MILL.
DATA



Sector LOGISTICS

In constant growth, driven by e-commerce, it faces big challenges to automate and supervise its facilities and infrastructures.

10.000
DEVICES

6MILL.
DATA

Sector ENERGY

With infrastructures considered as critical for the country, the security of its systems is key to guarantee the continuation of its services.

15.000
DEVICES

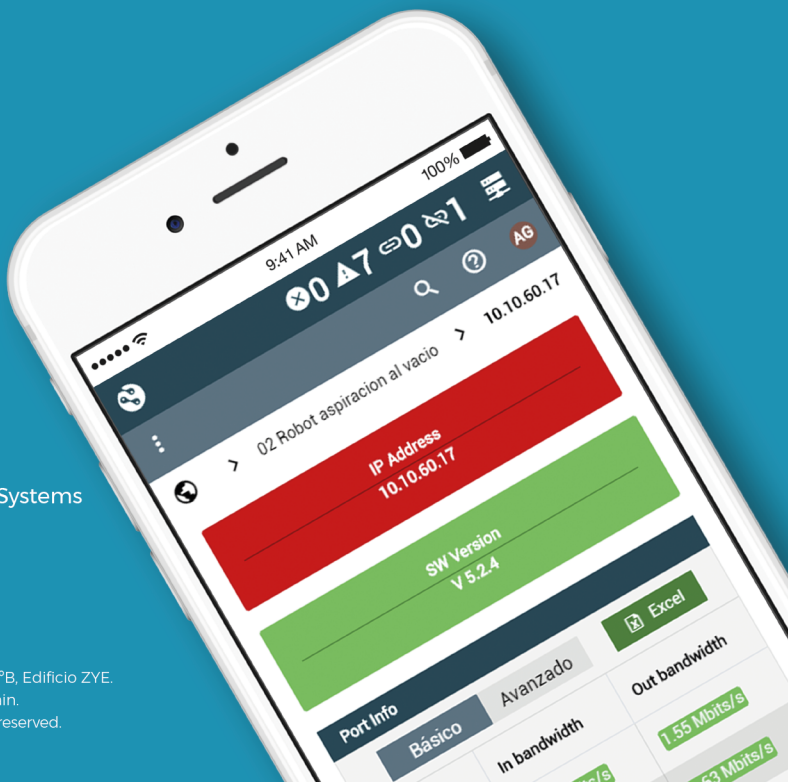
9MILL.
DATA

Try a

FREE DEMO

Email us info@netin.es

PAVE THE WAY TO SUCCESS



www.netin.io

Network Intelligence Systems

@netinsystems

Netin

NETIN SYSTEMS, S.L. C/ Punto Net, 4 1°B, Edificio ZYE.
28805 Alcalá de Henares (Madrid) Spain.
© 2020 Netin Systems, S.L. – All rights reserved.