ABOUT US

Nordimpianti

MACHINES AND EQUIPMENT FOR THE PRODUCTION OF PRESTRESSED CONCRETE ELEMENTS

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NORDIMPIANTI'S HEADQUARTERS, CHIETI - ITALY

WHO WE ARE

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NORDIMPIANTI was **founded in 1974** as a small family business by **Nunzio Gagliardi.**
He responded to a growing market demand for plant and machinery for the production of prestressed concrete elements in Italy.

Nunzio Gagliardi
President

Gian Piero Gagliardi
CEO

He was soon using his engineering expertise to improve upon existing designs and very quickly the enterprise turned into a manufacturing business with its base in Central Italy, not far from Rome.
Since then the company has grown to become an international force.

Today NORDIMPIANTI is **one of the world's leading manufacturers** of machines and equipment for the production of prestressed concrete elements primarily used in the construction industry. The elements are used in flooring systems or as wall panels in a vast range of residential, civil, industrial and infrastructure construction applications.

NORDIMPIANTI designs and manufactures its **products in-house** and under one roof using a team of professionals, all experts and experienced in their fields.
With its Extruder, Nano Extruder, Slipformer and Wet Casting technologies, it has a strong product portfolio offering all the ancillary machines required to make producing elements as efficient and as cost effective as possible.

It combines this with a complete consultancy service, dealing with the smallest technical questions right up to the design of complete factories, to help expand and refurbish existing facilities or to advise, support and supply green field start up investments.

NORDIMPIANTI HELPS YOUR IDEAS BECOME INVESTMENT OPPORTUNITIES

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History

Since its foundation in the 70's Nordimpianti has been driven by the desire to build and supply machinery and equipment with the highest quality and always using the latest technology available.

A STORY DRIVEN BY CONCRETE EXPERIENCE

Nordimpianti has a wealth of experience gained from working all over the world and this makes us a reliable partner to supply efficient production solutions.

1974
Nunzio Gagliardi starts Nordimpianti

1987
First Slipfomer for hollow core slabs 700mm high

1995
Develops first carousel plant for prestressed T-beams

1996
Launches its first Extruder, the EU2000I

2000
The new CEO Gian Piero Gagliardi brings new vision for Nordimpianti

2000
Nordimpianti's Slipformer now produces 1m hollow core slabs

2004
2.4m (8 ft) wide Extruder is available

2005
A second carousel plant is commissioned in the UK for hollow core slab production

2008
First Extruder for hollow core slabs 1.5m wide is available for the CIS market

2010
Second generation Extruder EVO launched at Bauma in Munich

2013
New version of the Wet Casting machine enters the market

2016
Third generation Extruder EVO2 launched at Bauma in Munich

2017
Introduces the Nano Extruder for non-loading bearing wall panels

2018
2.4m wide producing slabs with

SKILL AND KNOWLEDGE, PROVEN WORLDWIDE, ACQUIRED THROUGH FIFTY YEARS OF HISTORY

Expansion

Nordimpianti has deepened its commitment to Far East Asia with the opening of its subsiduary **NORDIMPIANTI KOREA** in South Korea where NORDIMPIANTI has a strong presence and a leading position in the market.

2019

Presentation of unique precast floor elements for road and infrastructure applications

2022

Nordimpianti Korea office

EVO2 Extruder hollow core top rebar

2022

Automatic Concrete Aspirator launched at Bauma in Munich

2024

Nordimpianti **50th** Anniversary

NORDIMPIANTI ITALY
Headquarters

NORDIMPIANTI KOREA
Sales, After Sales, Spare Parts and Consultancy Services

THE BEST QUALITY CASTING MACHINES AVAILABLE

Casting machines

For the production of prestressed concrete elements, Nordimpianti has in its range all the different types of casting machines that may be required;
Extruder, Extruder Nano, Slipformer and **Wet Casting.**

In this way NORDIMPIANTI is able to offer the right solution to its customers according to the elements required to be produced.

The casting machines are all designed and manufactured in-house to the highest quality standards.

NORDIMPIANTI casting machines are noted for their:

- **Proven reliability**
- **Excellent build quality**
- **Low maintenance costs**
- **Wide range of production**

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extruder

THE BEST CHOICE FOR THE PRODUCTION OF HIGH QUALITY HOLLOW CORE SLABS

- High casting speed up to 2.8m/min
- Minimum cost of ownership
- Automatic operation
- Modular and interchangeable
- Excellent end product quality
- Low maintenance requirements
- Minimum downtime when changing to a different product

NORDIMPIANTI's **Extruder machines** have been designed for the production of a wide range of prestressed concrete hollow core slabs for both floors and walls.

Standard heights range from **120mm** to **525mm** in widths of **2x600mm, 1200mm, 1250, 1500mm, 2x1200mm** and **2400mm.**

slipformer

A FLEXIBLE CASTING CHOICE ABLE TO PRODUCE A WIDE RANGE OF DIVERSE PRODUCTS INCLUDING SOME LARGE ELEMENTS WITH NOTABLE DIMENSIONS

- Large range of producible elements
- High build quality and excellent reliability
- Minimum cost of ownership
- Modular and interchangeable
- Low maintenance requirements

NORDIMPIANTI's **Slipformer machines** have been designed for the production of a wide range of prestressed concrete elements such us inverted T beams, posts, lintels, half slabs, solid slabs, hollow core slabs and other special shapes.

Standard heights range from **60mm** to **1000mm** while the widths can be customized to each customer's requirements.

extrudernano

THE RIGHT SOLUTION FOR THE PRODUCTION OF NON-LOAD BEARING PARTITION WALLS

- Uses the same casting beds as for standard hollow core floor slabs
- Excellent surface quality of the wall panels
- Modular and interchangeable
- Low maintenance requirements
- Minimum downtime when changing to a different product height

NORDIMPIANTI's **Extruder Nano machine** has been designed for the production of thin wall panels and can be used with the same ancillary equipment normally used for the production of hollow core floor slabs.

Standard heights range from **70mm** to **120mm** in a width of **2x600mm.**

wetcasting

A UNIQUE CASTING MACHINE FOR THE PRODUCTION OF CONCRETE ELEMENTS WITH SPECIAL ATTRIBUTES

- Easy production of elements with exposed wires and corrugated upper surfaces
- Large range of producible elements
- High build quality and excellent reliability
- Minimum cost of ownership
- Modular and interchangeable
- Low maintenance requirements

NORDIMPIANTI's **Wet Casting machine** has been designed for the production of a wide range of prestressed concrete elements with special attributes such us exposed wire and a corrugated upper surface.

Standard heights range from **60mm** to **500mm** while the widths can be customized to each customer's requirements

Machinery and equipment

Prestressed concrete element production is made up of different intermediate phases, each one accomplished by a dedicated machine or piece of equipment specifically designed for that task, NORDIMPIANTI has developed a large range of machines and equipment able to work in every phase of the production and to suit the individual elements being produced.

Element casting, Extruder

A WIDE RANGE OF MACHINERY AND EQUIPMENT FOR THE PRODUCTION OF HIGH QUALITY PRESTRESSED CONCRETE ELEMENTS

Element cutting

Lifting of the element from the beds

Transportation of the elements for stocking

Cleaning, oiling and wire

Concrete transport and distribution

Making cut outs and notches

Element marking

Surface keying

Element casting, Extruder NANO

Element casting, Slipformer

Element casting, Wet Casting

Wire storing

Stressing and detensioning
of the steel wires

Bed covering and curing

Casting beds

Ancillary equipment

Software

Concrete elements

NORDIMPIANTI's casting machines can produce a wide range of prestressed concrete products such as hollow core slabs for flooring and walls, inverted T and I-beams, poles and lintels, prestressed slabs, U slabs, inverted double T slabs etc.

CONCRETE ELEMENTS PRODUCED BY THE BEST QUALITY CASTING MACHINES AVAILABLE

Prestressed products made by NORDIMPIANTI's Extruder, Nano Extruder, Slipformer and Wet Casting machines offer many advantages that make them a success all over the world.

ex sf wf

Hollow core slabs for floors and walls

sf wf

Inverted T and I-beams

sf wf

Poles

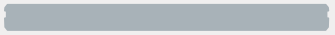
sf wf

Lintels

sf

Foundation piles

sf wf



Solid slabs

sf

Filigree slabs

sf wf

Half slabs

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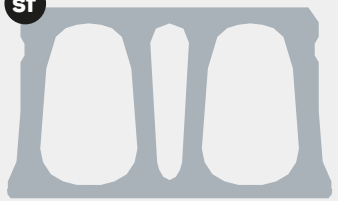
Inverted double T-slabs

sf wf

Inverted triple T-slabs

sf

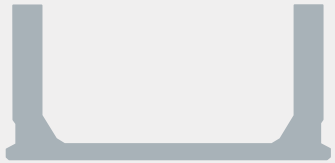


Deep hollow core slabs up to 1m

sf

Inverted double T-beams

sf wf



U Panels

en

Non-load bearing partition walls

wf

Single hole beams

ex extruder

sf slipformer

wf wetcasting

en extrudernano

MACHINES AND EQUIPMENT FOR THE PRODUCTION OF PRESTRESSED CONCRETE ELEMENTS

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HIGH AUTOMATION TECHNOLOGY FOR HOLLOW CORE SLAB PRODUCTION

ELEMENT CASTING
EVO2 Extruder

ELEMENT CUTTING
Automatic multi-angle Saw with Counterweight Trolley

CLEANING-OILING-WIRE PULLING
Automatic multi-function vacuum Bed Cleaner

ELEMENT MARKING
Automatic Plotter with drilling unit

Automation solutions

In addition to standard machines, NORDIMPIANTI is able to offer a wide choice of fully automatic machines and equipment.

- Reduce production costs
- Reduce the number staff employed
- Reduce human error

Using advanced automation and robotics, NORDIMPIANTI's products represent the right choice for customers looking to:

- Improve the safety of production facilities
- Improve product quality consistency
- Increase the productivity of production plants

WET WORKING
Automatic Concrete Aspirator

ELEMENT COVERING
Automatic Bed Covering Trolley

THE BEST AUTOMATION TECHNOLOGY APPLIED TO NORDIMPIANTI MACHINES

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THE FIRST SMART

Production plants

Our long experience with every type of element production in use in over 50 countries gives us the capability to design prestressed factories and plants down to the smallest detail supplying the optimum layout to meet all our customer's requirements.

Our plant, large or small, is designed to make your investment as profitable as possible.

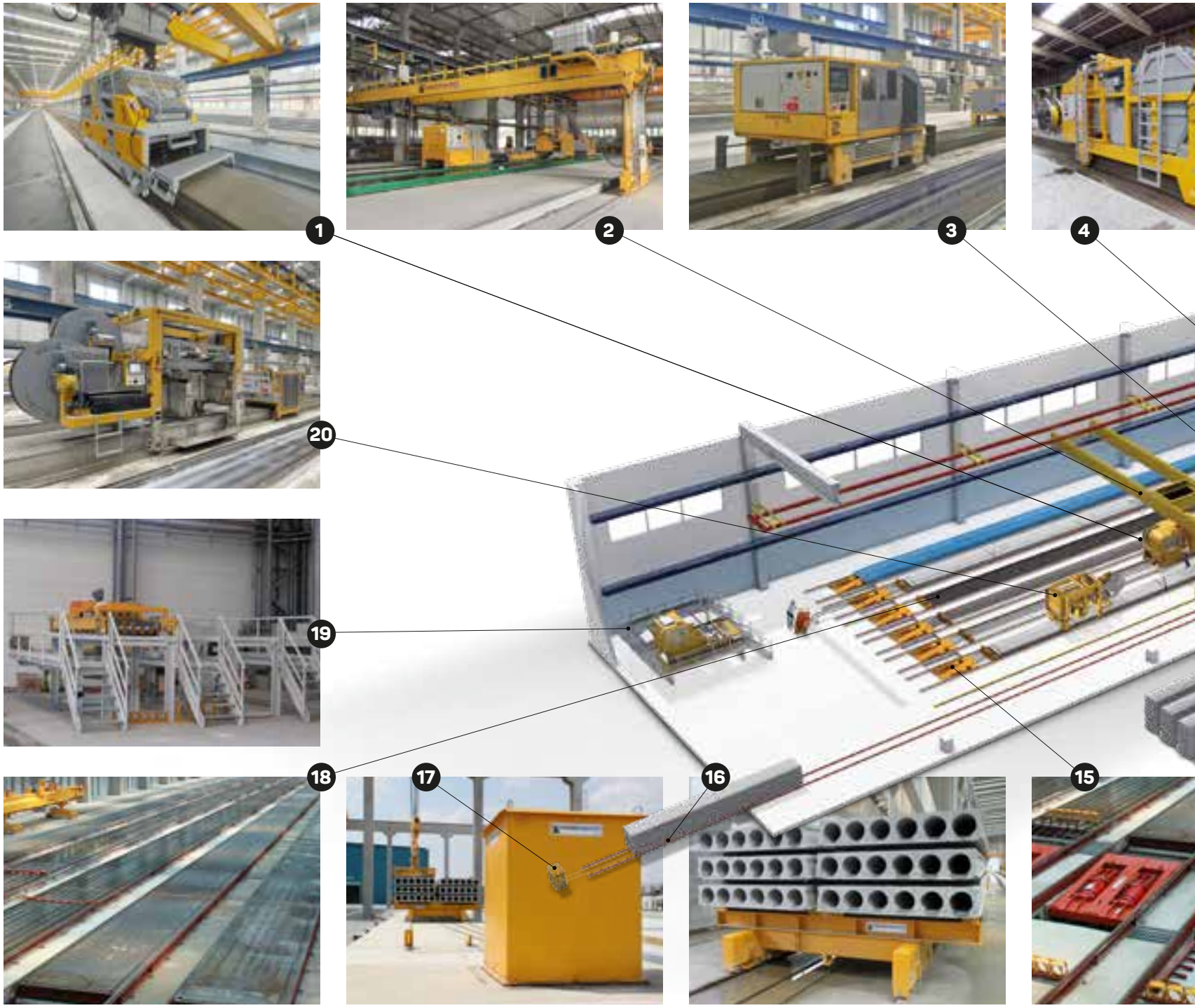
TAILORED PRODUCTION SYSTEMS FOR THE MANUFACTURE OF A WIDE RANGE OF PRESTRESSED CONCRETE ELEMENTS

We are able to supply standard plants with moveable production machines right up to highly automated carousel plant for very high production output.

In addition we offer element design, production management software, consultancy services and everything you may need to set up the best and most efficient prestressed and precast factory possible.

Plant layout

1 Casting machines
2 Concrete distributor
3 Plotter
4 Concrete Aspirator
5 Flying bucket
6 Batching plant
7 Stackable strand decoiler
8 Wire stressing machine
9 Mutistressing machine
10 Bed Covering Trolley
11 Lifting equipment
12 Multifunction Bed Cleaner
13 Stockyard
14 Truck loading
15 Reaction beams
16 Transport wagons
17 Pulling device for element transport wagons
18 Casting Beds
19 Service platform
20 Cutting Saw



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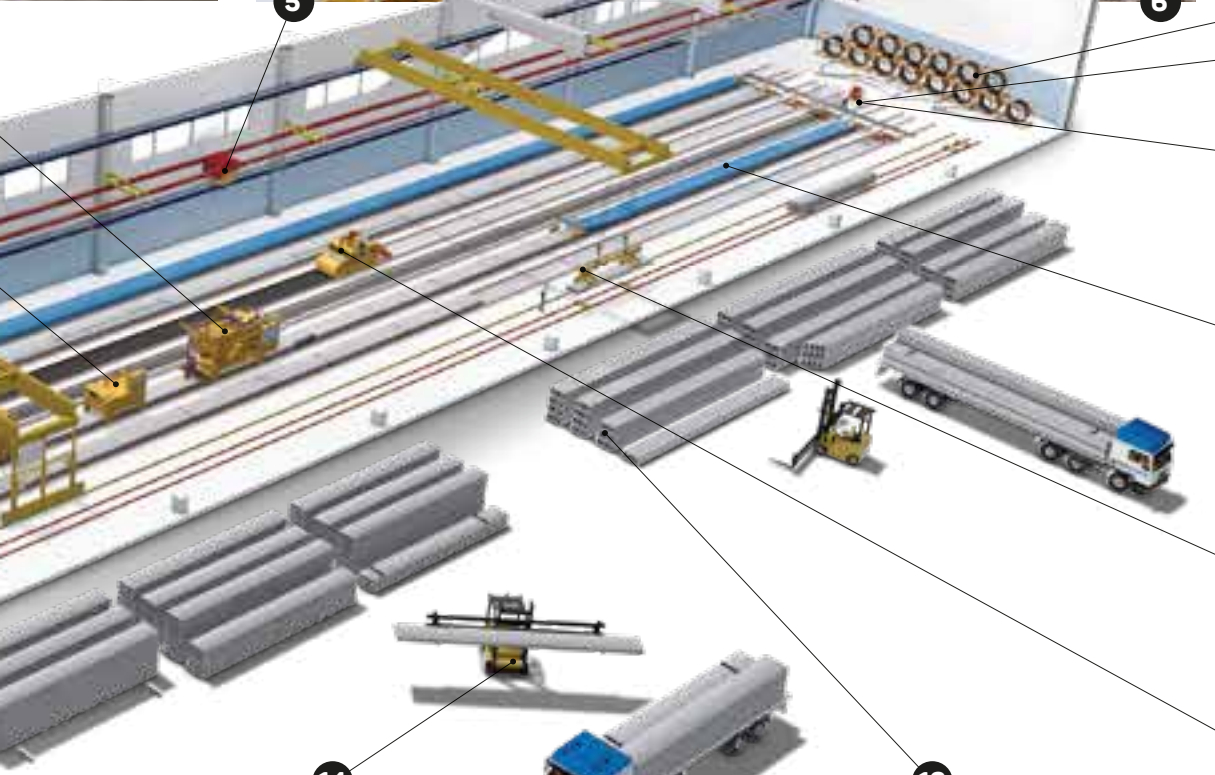
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References

With over **50 years of experience** in the prestressed concrete industry NORDIMPIANTI's machines are manufacturing concrete elements in over 50 countries.

Its dedicated network of sales teams means our customers receive the support they need at a local level.

Currently there are more than **300 plants** and over a **1000 machines** operating throughout the world producing a large range of prestressed concrete elements.

Our international reputation makes us a reference point for companies throughout the globe.

COME AND VISIT OUR COMPANY TO PERSONALLY EXPERIENCE THE QUALITY OF OUR PRODUCTS AND SERVICES

References

OVER 50 COUNTRIES, MORE THAN 300 PLANTS, OVER 1000 MACHINES OPERATING THROUGHOUT THE WORLD, PRODUCING A LARGE RANGE OF PRESTRESSED CONCRETE ELEMENTS

South Korea

Hungary

Singapore

Saudi Arabia

United Kingdom

Ukraine

Italy

Denmark

Poland

Belgium

Burkina Faso

India

Mexico

After sales and customer service

One of the core values of NORDIMPIANTI is its commitment to customer service. Our multi-lingual staff are always ready to support you in whatever way they can.

Sales, after-sales, spares, trouble-shooting, training and technical back-up are all close at hand for you to rely on.

PUTTING YOU FIRST

Our warehouse carries a comprehensive stock of spare parts ready for delivery.

We use only couriers with world class reputation to ensure that your components are despatched as fast as possible to wherever you are in the world.

Spare parts orders are efficiently managed by a software that monitors the complete order process in real time.

All spare parts orders are thoroughly packed to ensure that they arrive at your premises in the same excellent condition as they left our warehouse.

SPARE PARTS WAREHOUSE

ABOUT US

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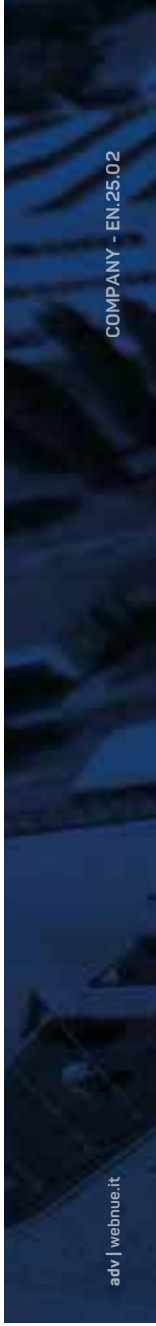
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