



fives

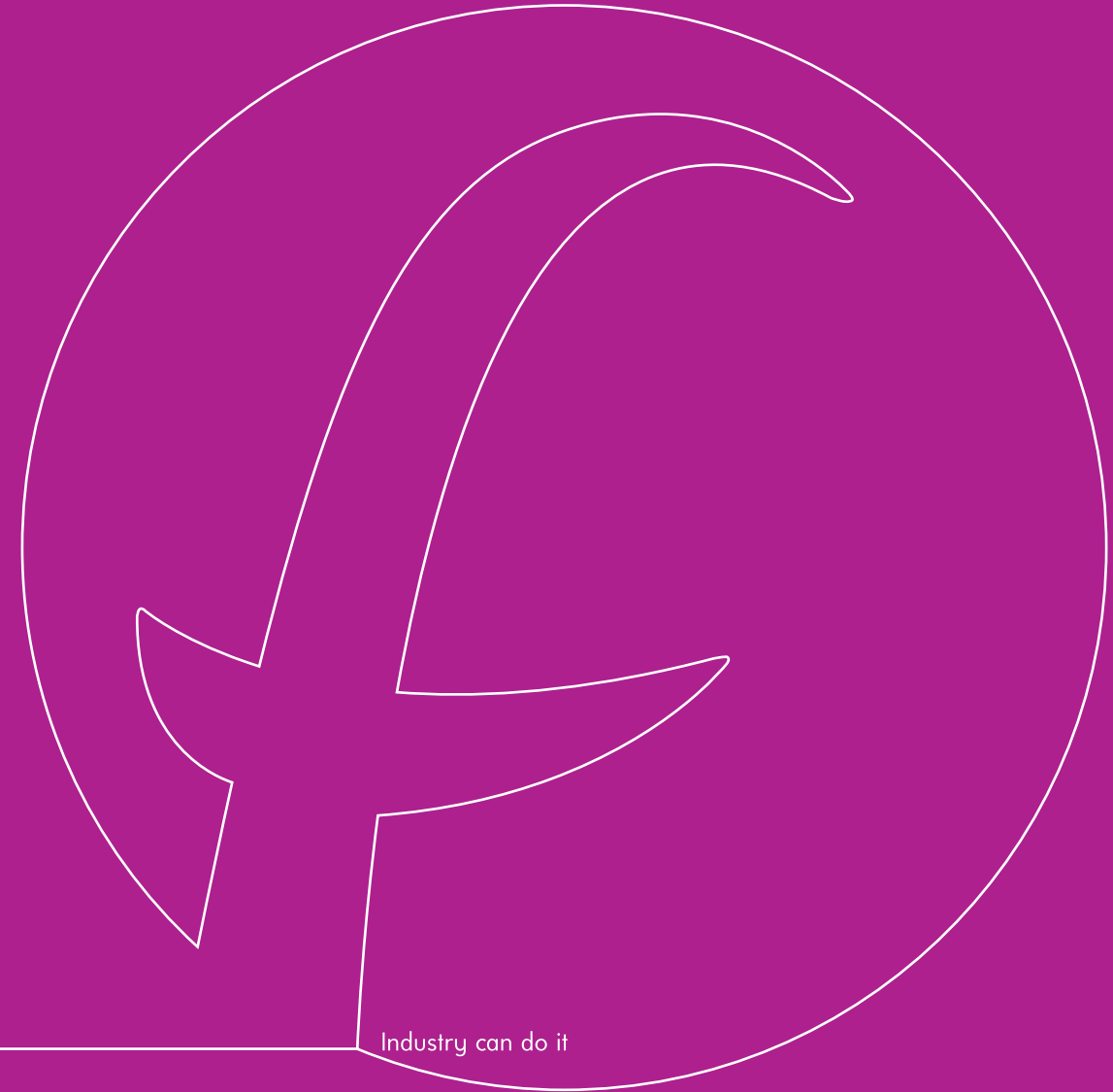
Industry can do it



FIVES AT A GLANCE 2024

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WHO WE ARE	
	8/19
EXPERTISE & COMMERCIAL OFFER	
	20/21
INNOVATION	
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COMMITMENTS	
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EMPLOYEES	

# SUMMARY.



# FIVES

An industrial engineering group with multi-sector expertise, Fives designs and manufactures machines, process equipment and production lines for the world's largest industrial groups.

## KEY FIGURES

MORE THAN **200** YEARS  
OF HISTORY

ALMOST **100** LOCATIONS  
IN 24 COUNTRIES

NEARLY **9,000**  
EMPLOYEES

**€2,395M**  
SALES

**€2,413M**  
BACKLOG

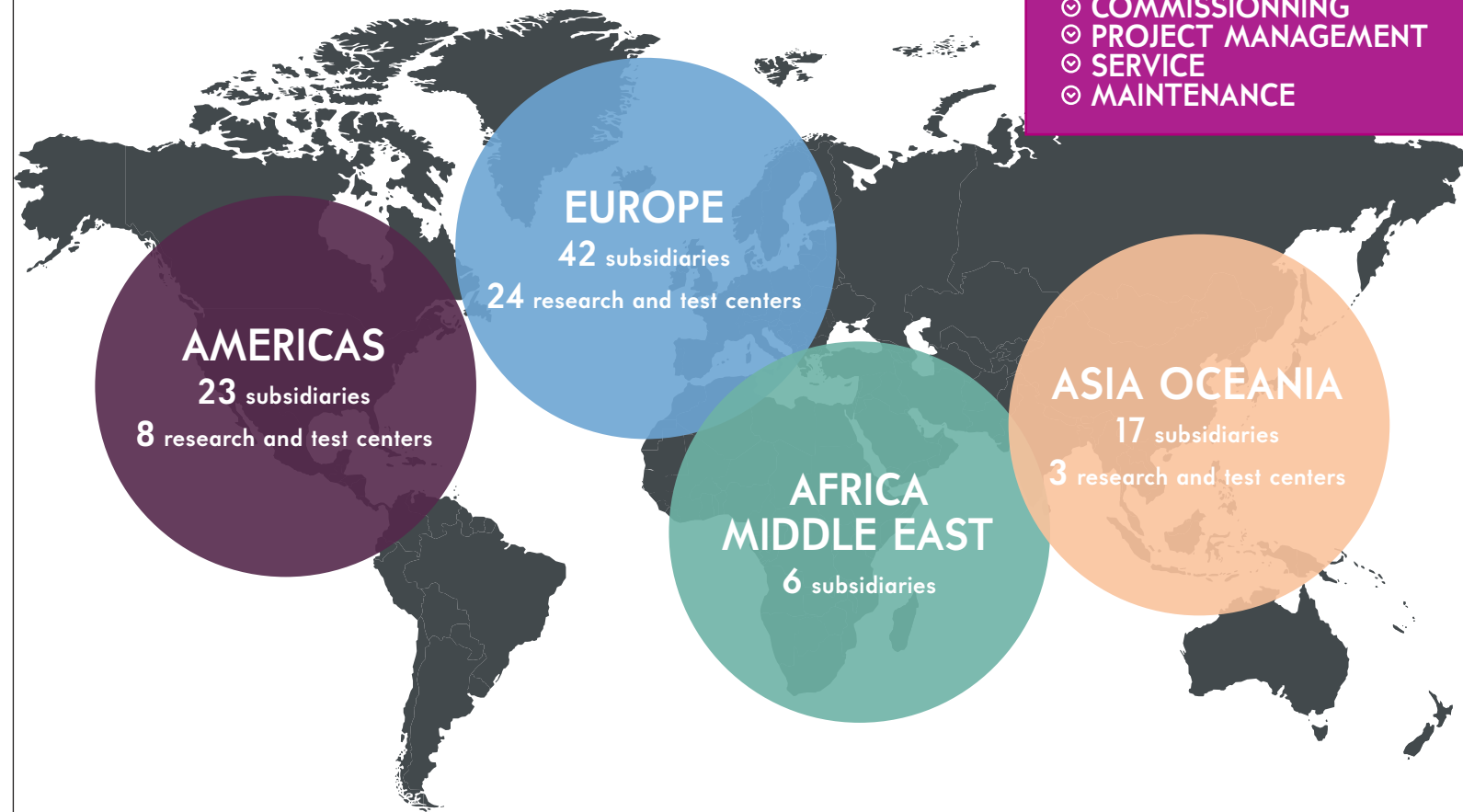
**€2,507M**  
ORDER INTAKE

**€151M**  
EBITDA

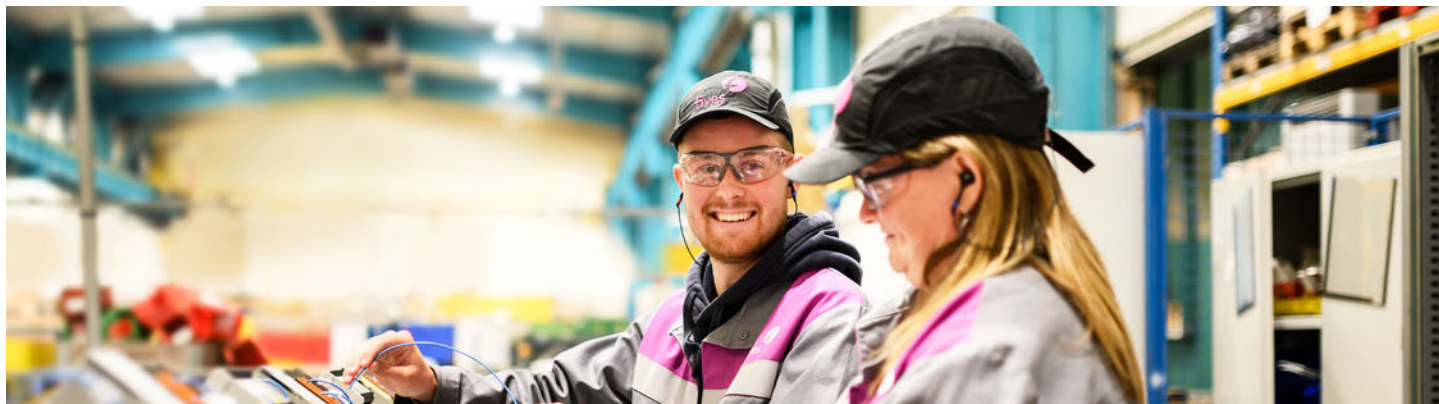
**€36M**  
R&D EXPENDITURE

**2,281**  
PATENTS IN 673 FAMILIES

An international presence,  
close to our customers and markets



- ⦿ DESIGN
- ⦿ MANUFACTURING
- ⦿ INSTALLATION
- ⦿ COMMISSIONING
- ⦿ PROJECT MANAGEMENT
- ⦿ SERVICE
- ⦿ MAINTENANCE



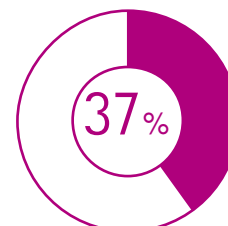
## FIVES, YOUR PARTNER FOR A MORE EFFICIENT AND SUSTAINABLE INDUSTRY

From the first railway lines to the elevators in the Eiffel Tower and industry 4.0, for more than 200 years, Fives has been designing breakthrough technologies and solutions that create industry.

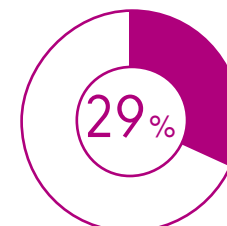
As a pioneer of decarbonization and digitalization, Fives is always one innovation ahead thanks to its ability to anticipate customer needs.

Fives is able to provide both environmental and economic performance in 24 countries, responding to the specific needs of each local market thanks to its more than 9,000 employees.

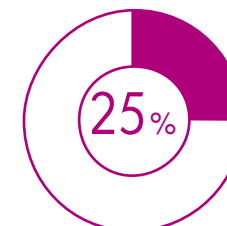
### ORDER INTAKE BY GEOGRAPHICAL AREA:



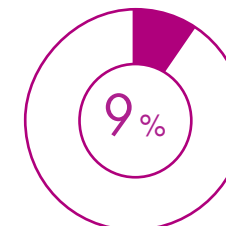
AMERICAS



EUROPE

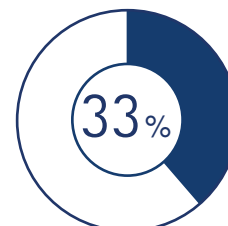


ASIA  
OCEANIA

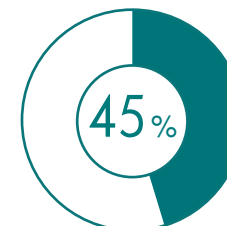


AFRICA  
MIDDLE EAST

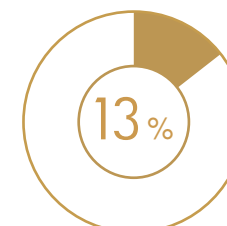
### ORDER INTAKE BY ACTIVITY:



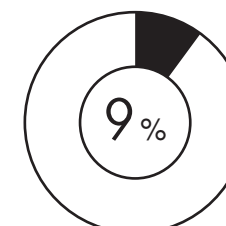
SMART AUTOMATION  
SOLUTIONS



PROCESS  
TECHNOLOGIES



HIGH PRECISION  
MACHINES

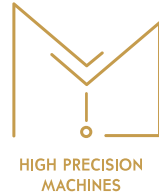


OTHERS

### Serving a number of sectors:

INTRALOGISTICS (AIRPORT, E-COMMERCE, DISTRIBUTION), METALS (STEEL, ALUMINUM), CEMENT AND MINERALS  
ENERGY (CRYOGENICS, NUCLEAR ENERGY, COMBUSTION), AERONAUTICS AND DEFENSE, AUTOMOBILE, GENERAL INDUSTRY

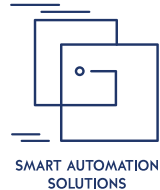
# OUR ACTIVITIES



## HIGH PRECISION MACHINES

High-precision machine tools

A global offer of complete solutions that provide precision and flexibility to optimize the efficiency and quality of production.



## SMART AUTOMATION SOLUTIONS

Automation of production flows

Industry leading solutions for sorting, material handling and advanced automation; for the retail market, mass distribution, e-commerce, postal and carrier, automotive and e-mobility, furniture, manufacturing and airports.



## PROCESS TECHNOLOGIES

Equipment for raw materials processing industries

Process expertise, key proprietary equipment, sustainable technologies and digital solutions to continuously improve performance and efficiency on each plant, while helping customers to reduce their environmental footprint.



## TRANSVERSAL ACTIVITIES AND OTHER ACTIVITIES

**Maintenance:** industrial maintenance services.

**Piping solutions:** engineering, prefabrication, assembly and maintenance for industrial piping projects.

**AI & Data processing:** IoT platform based on data collection, processing and AI to facilitate informed decision-making.

**Fives Connect:** digital management and monitoring of installations and equipment.

**AddUp:** Created as a joint venture between Michelin and Fives, AddUp operates as a parts supplier for metal Additive Manufacturing.



More information on  
Fives' activities:  
[www.fivesgroup.com](http://www.fivesgroup.com)





### MATERIAL REMOVAL

Machining and metal cutting solutions: milling, turning, milling/turning, boring, robotic and smart system solutions.

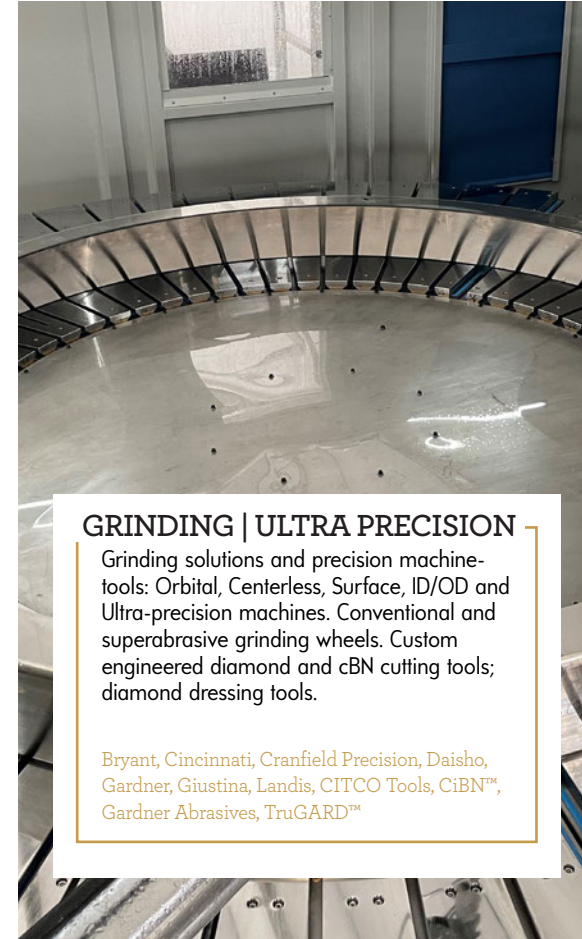
Cincinnati, Dufieux, Forest-Liné, Giddings & Lewis, Liné Machines



### COMPOSITE & AUTOMATED SOLUTIONS

Automated composite processing solutions: tape laying and fiber placement systems.

Cincinnati, Forest-Liné, Lund Engineering



### GRINDING | ULTRA PRECISION

Grinding solutions and precision machine-tools: Orbital, Centerless, Surface, ID/OD and Ultra-precision machines. Conventional and superabrasive grinding wheels. Custom engineered diamond and cBN cutting tools; diamond dressing tools.

Bryant, Cincinnati, Cranfield Precision, Daisho, Gardner, Giustina, Landis, CITCO Tools, CiBN™, Gardner Abrasives, TruGARD™



### SERVICE

A full range of services dedicated to the performance of machine tools throughout their life-cycle.

Global Services, GrinderCare, Machine Tool Services & Solutions







## CEMENT | MINERALS | SUGAR

### CEMENT & MINERALS

Technologies at the core of the process (crushing, grinding, drying, classifying, flash calcination, pyroprocessing, control & optimization) allowing unique product quality, energy efficiency, zero water, low carbon footprint and circularity. From equipment and turnkey plants, upgrades and customer service.

FCB, Pillard®, Solios

### SUGAR

Equipment, process lines and services for sugar and energy production (co-generation of electricity and bioethanol) aiming to improve carbon neutrality of sugar plants: preparation, extraction (milling and diffusion), purification, evaporation, continuous crystallization, centrifugation, drying.

Cail & Fletcher

### ENERGY | COMBUSTION

Design, supply and construction of customized burners, combustion systems, and controls for furnaces, flares, and boilers. Maintenance services, process optimization and reduction of environmental footprint.

ITAS, North American, Pillard®

## ENERGY

### ENERGY | CRYOGENICS

Brazed heat exchangers, cold boxes, core-in-drums and cryogenic pumps for air separation, distribution, natural gas processing, LNG, olefins and petrochemicals, helium and hydrogen.

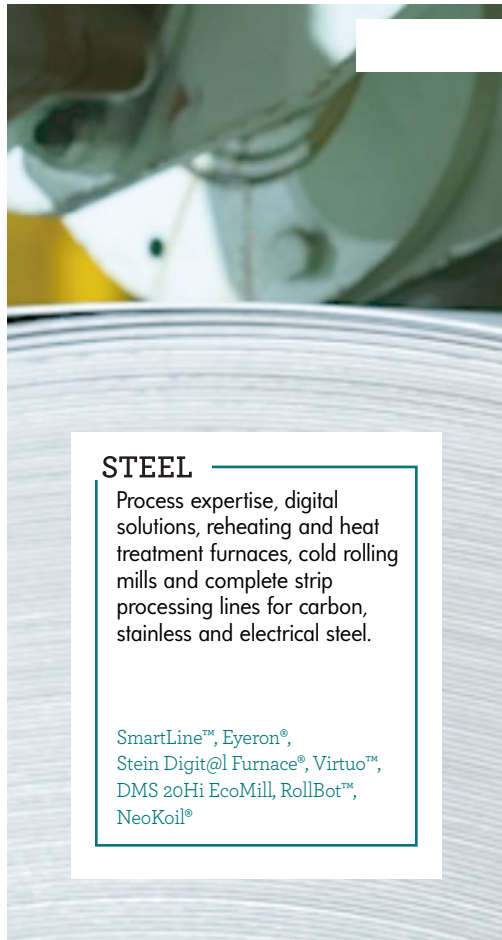
Cryomec® (cryogenic pumps)

### ENERGY | PROSIM

Simulation and optimization software that enable process industries to improve their operation, increase their profitability and reduce their environmental impact.

ProSimPlus, Simulis Thermodynamics, Simulis Pinch

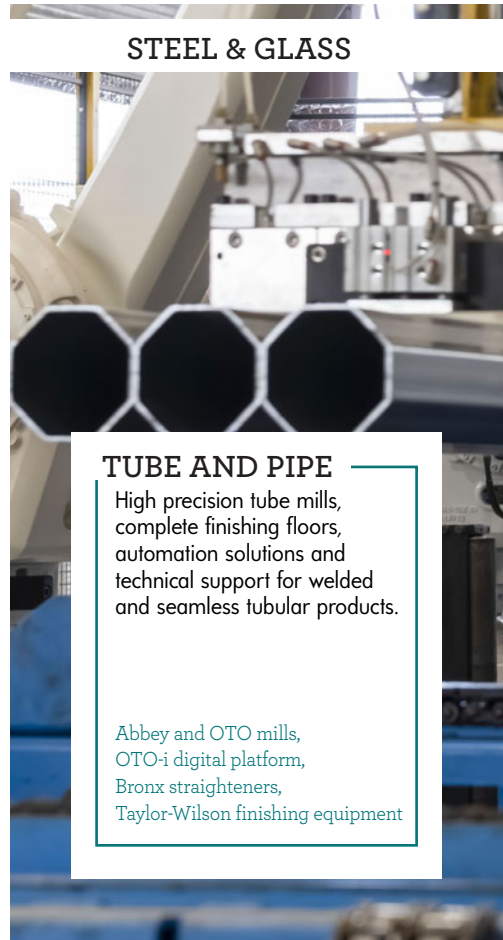




## STEEL

Process expertise, digital solutions, reheating and heat treatment furnaces, cold rolling mills and complete strip processing lines for carbon, stainless and electrical steel.

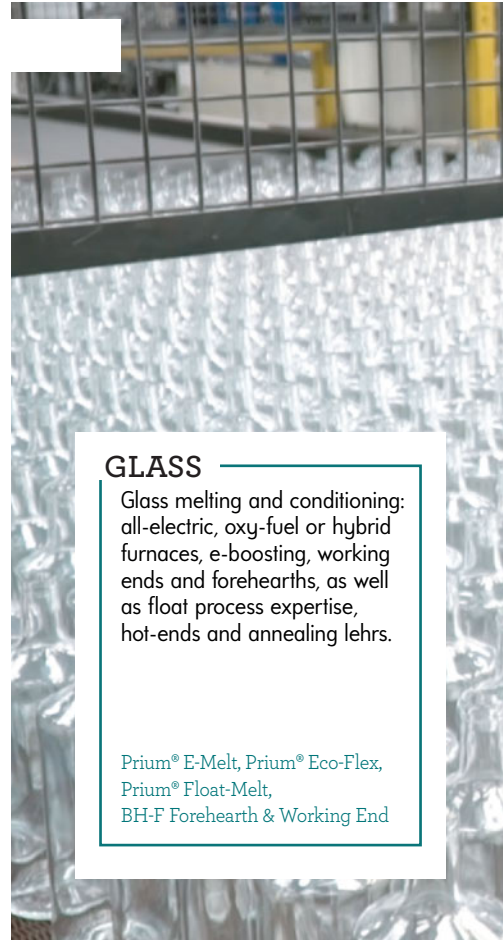
SmartLine™, Eyeron®, Stein Digit@l Furnace®, Virtuo™, DMS 20Hi EcoMill, RollBot™, NeoKoil®



## TUBE AND PIPE

High precision tube mills, complete finishing floors, automation solutions and technical support for welded and seamless tubular products.

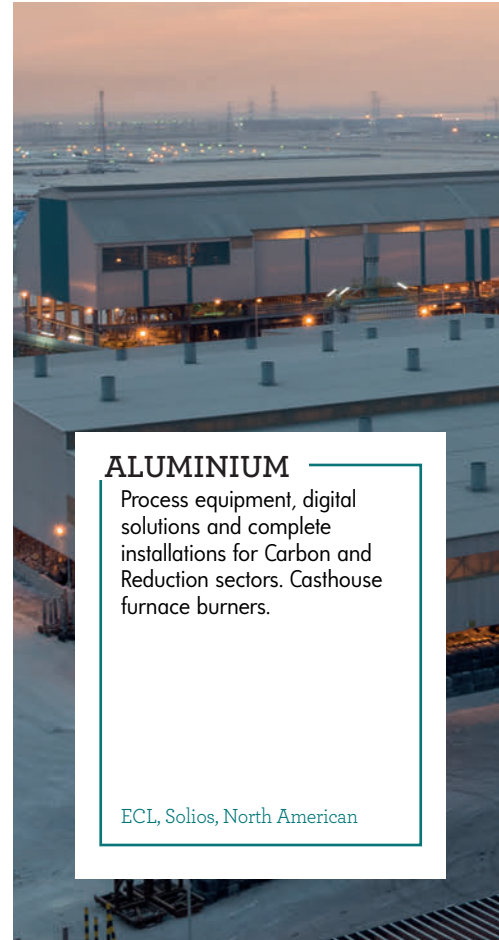
Abbey and OTO mills, OTO-i digital platform, Bronx straighteners, Taylor-Wilson finishing equipment



## GLASS

Glass melting and conditioning: all-electric, oxy-fuel or hybrid furnaces, e-boosting, working ends and forehearth, as well as float process expertise, hot-ends and annealing lehrs.

Prium® E-Melt, Prium® Eco-Flex, Prium® Float-Melt, BH-F Forehearth & Working End



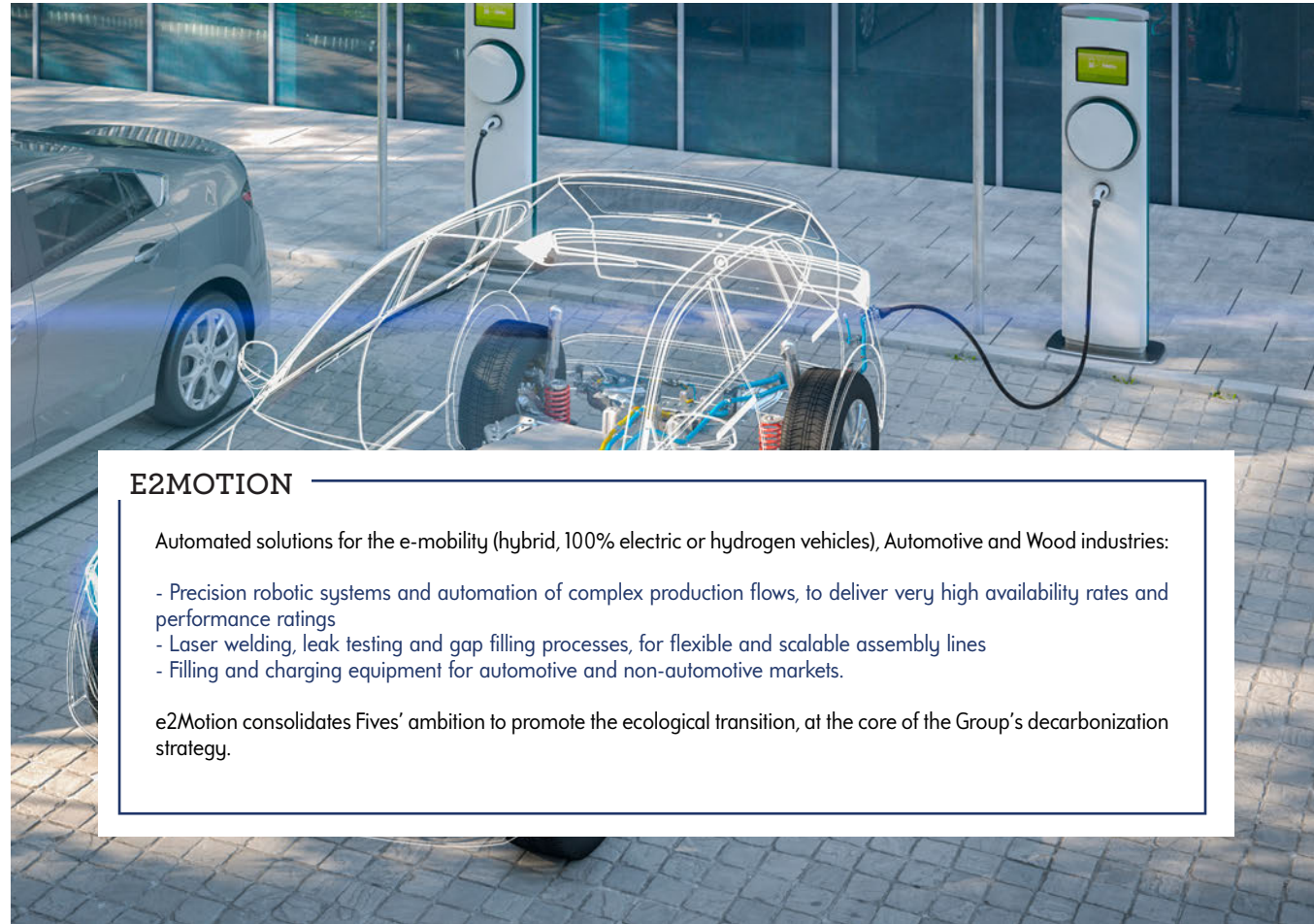
## ALUMINIUM

Process equipment, digital solutions and complete installations for Carbon and Reduction sectors. Casthouse furnace burners.

ECL, Solios, North American





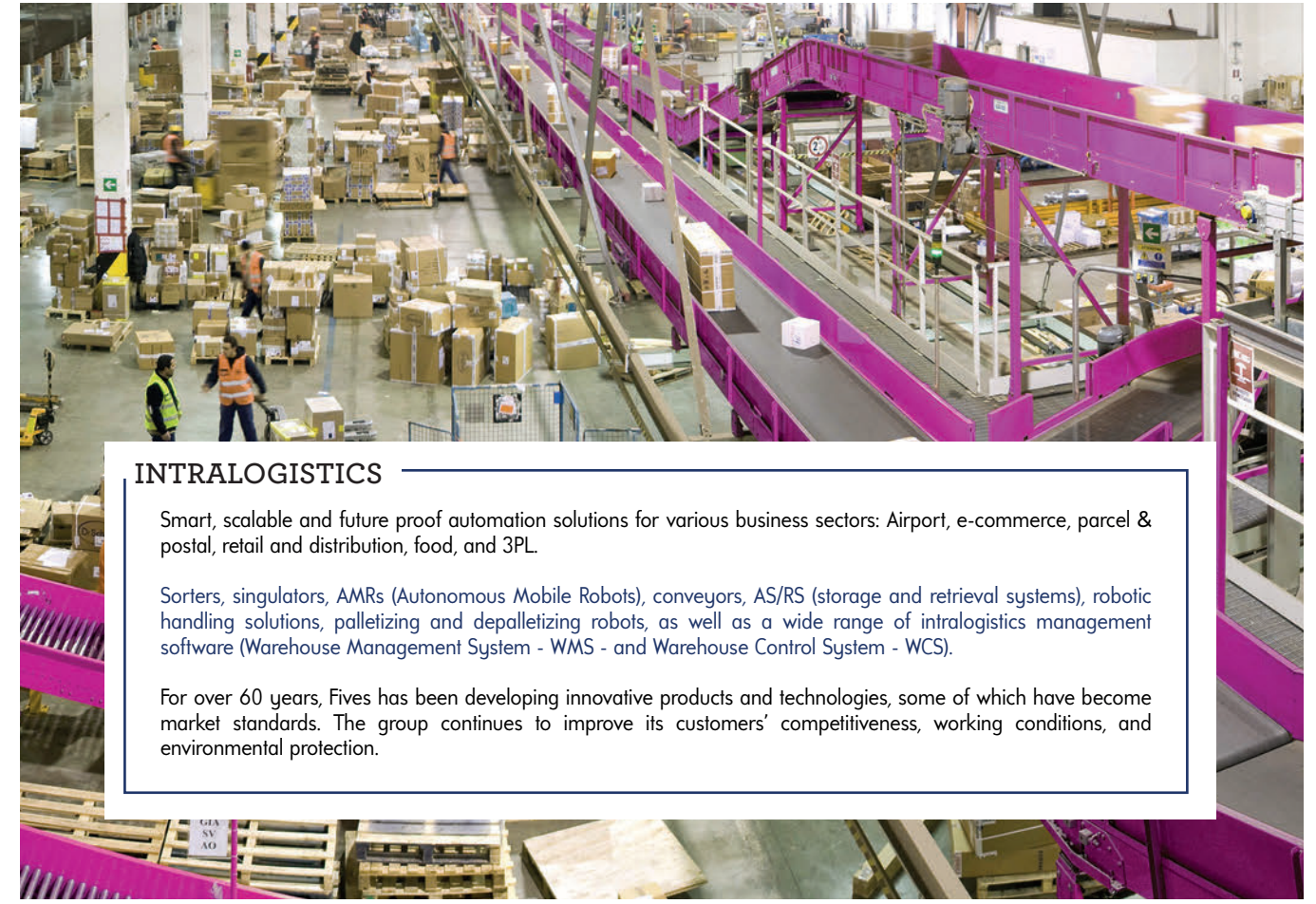


## E2MOTION

Automated solutions for the e-mobility (hybrid, 100% electric or hydrogen vehicles), Automotive and Wood industries:

- Precision robotic systems and automation of complex production flows, to deliver very high availability rates and performance ratings
- Laser welding, leak testing and gap filling processes, for flexible and scalable assembly lines
- Filling and charging equipment for automotive and non-automotive markets.

e2Motion consolidates Fives' ambition to promote the ecological transition, at the core of the Group's decarbonization strategy.



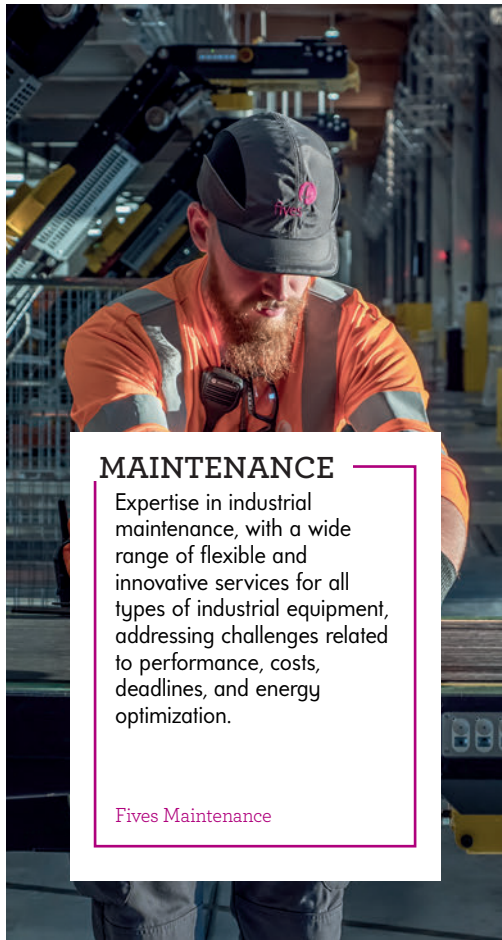
## INTRALOGISTICS

Smart, scalable and future proof automation solutions for various business sectors: Airport, e-commerce, parcel & postal, retail and distribution, food, and 3PL.

Sorters, singulators, AMRs (Autonomous Mobile Robots), conveyors, AS/RS (storage and retrieval systems), robotic handling solutions, palletizing and depalletizing robots, as well as a wide range of intralogistics management software (Warehouse Management System - WMS - and Warehouse Control System - WCS).

For over 60 years, Fives has been developing innovative products and technologies, some of which have become market standards. The group continues to improve its customers' competitiveness, working conditions, and environmental protection.

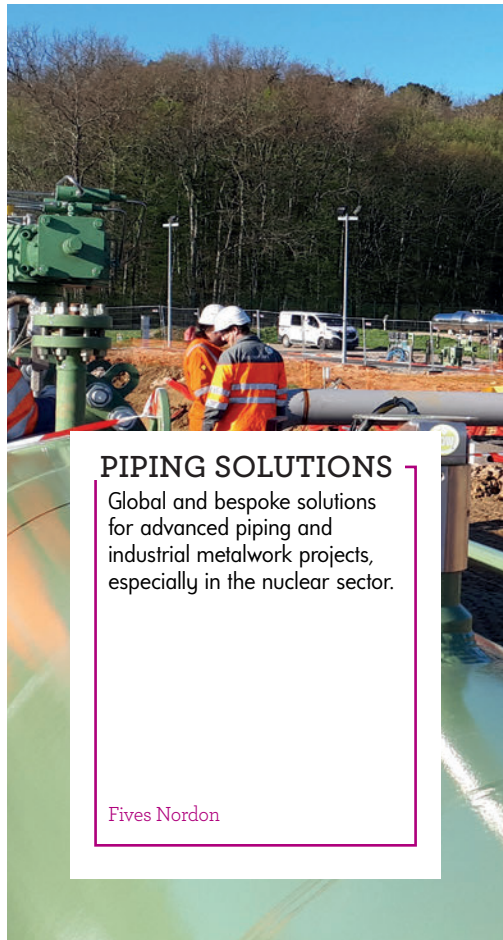




## MAINTENANCE

Expertise in industrial maintenance, with a wide range of flexible and innovative services for all types of industrial equipment, addressing challenges related to performance, costs, deadlines, and energy optimization.

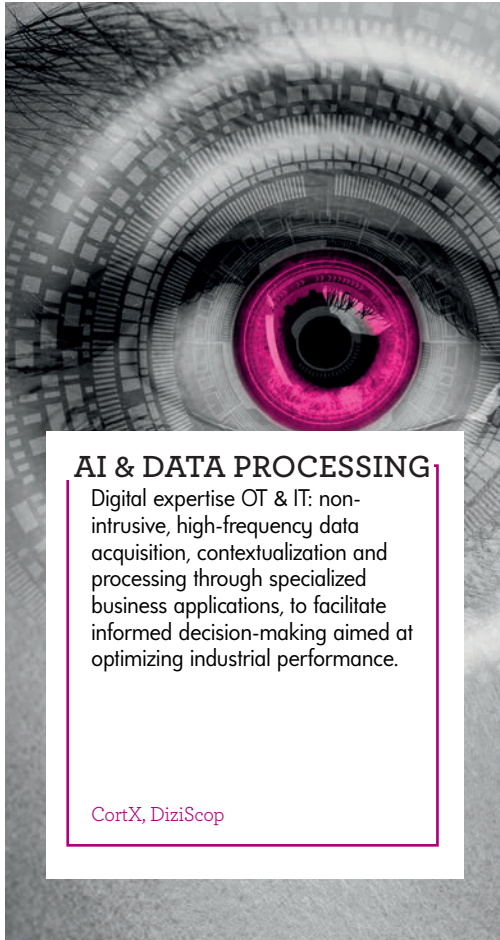
Fives Maintenance



## PIPING SOLUTIONS

Global and bespoke solutions for advanced piping and industrial metalwork projects, especially in the nuclear sector.

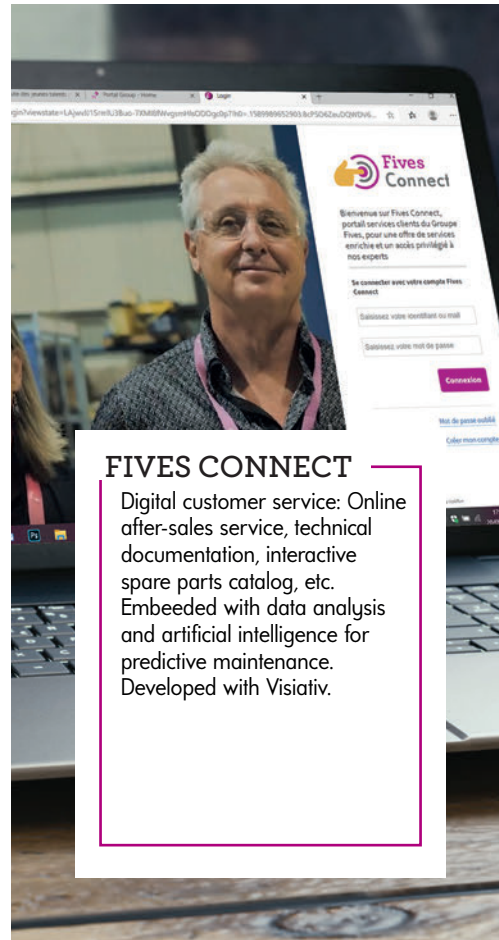
Fives Nordon



## AI & DATA PROCESSING

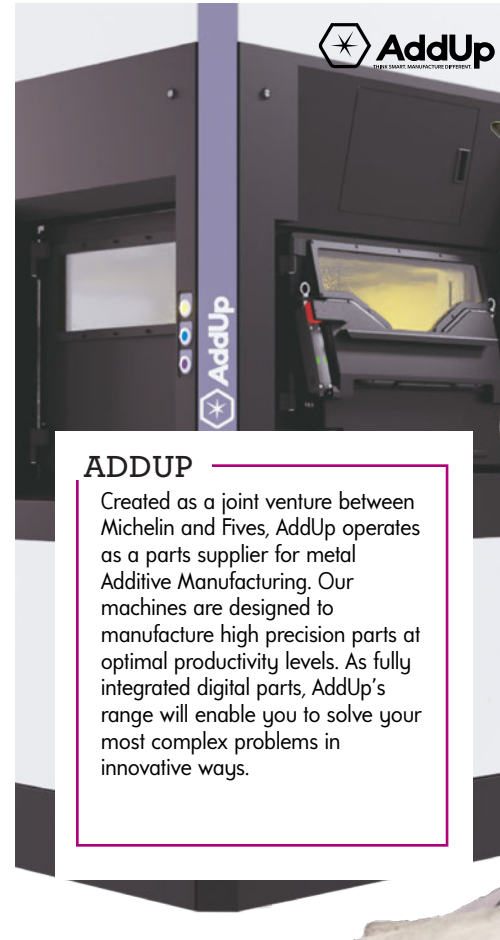
Digital expertise OT & IT: non-intrusive, high-frequency data acquisition, contextualization and processing through specialized business applications, to facilitate informed decision-making aimed at optimizing industrial performance.

CortX, DiziScop



## FIVES CONNECT

Digital customer service: Online after-sales service, technical documentation, interactive spare parts catalog, etc. Embedded with data analysis and artificial intelligence for predictive maintenance. Developed with Visiativ.



## ADDUP

Created as a joint venture between Michelin and Fives, AddUp operates as a parts supplier for metal Additive Manufacturing. Our machines are designed to manufacture high precision parts at optimal productivity levels. As fully integrated digital parts, AddUp's range will enable you to solve your most complex problems in innovative ways.







## FIVES IS ALWAYS ONE INNOVATION AHEAD

by anticipating customer needs.

Our innovation programs support major technological changes occurring around hydrogen, decarbonization of industry, e-mobility, urban logistics, digitalization, and cyber security.

Fives' thorough knowledge of industrial processes enables its team to respond to challenges and optimize operation of facilities through environmental protection, flexibility, machine availability, and quality of finished products.

Through its subsidiary Fives CortX, the Group offers unique connectivity solutions for the digitalization of existing industrial parks. In this way, Fives is responding to the growing demand from its customers to enter the industry of the future.

**€36M**  
R&D EXPENDITURES

.....

**73** NEW PATENTS  
FILED IN 2023

.....

**2,281** PATENTS  
IN EFFECT WITHIN 673 FAMILIES

.....

**35** CENTERS  
FOR RESEARCH AND DEVELOPMENT

.....



## FIVES, A PIONEER OF INDUSTRY DECARBONIZATION.

“

20 years ago, we bet on a bold vision for the industry of the future. An industry that will be digital and decarbonized or not. We also prioritized research and development programs aimed at reducing the environmental impact of our technological solutions. This pioneering spirit has enabled us to become a key partner in the major transformation of the mobility sector, with the electrification of vehicles, and in green hydrogen, being the preeminent provider of the decarbonized energy.”

**Frédéric Sanchez,**  
*Chairman & CEO of Fives*

For over 20 years, Fives has been pursuing 3 major objectives in the fight against climate change:

1. **REDUCE THE ENVIRONMENTAL IMPACTS** of its sites;
2. **IMPROVE THE ENERGY PERFORMANCE** of its installations;
3. **CONTINUOUSLY DEVELOP INNOVATIVE SOLUTIONS** that enables its customers to reduce their carbon footprint.

## FIVES IS GOING ONE STEP FURTHER IN ITS CLIMATE STRATEGY BY PROVING THAT INDUSTRY IS ONE OF THE SOLUTIONS TO DECARBONIZATION.

The Group is committed to

**REDUCE CO2 EMISSIONS BY 30% FROM ITS ACTIVITIES BY 2030** (Scope 1 & 2, compared to 2019)

**CONTINUE TO DEVELOP SUSTAINABLE SOLUTIONS FOR INDUSTRIES TO IMPROVE THEIR ENVIRONMENTAL PERFORMANCE**

- ☑ Implementing proven solutions available on an industrial scale
- ☑ Facilitating the adoption of low-carbon energy sources
- ☑ Improving process control through digitalization
- ☑ Developing new processes
- ☑ Developing energy solutions of tomorrow

**FOCUS ITS BUSINESS DEVELOPMENTS IN MARKETS THAT CONTRIBUTE TO THE LOW-CARBON TRANSITION**

- ☑ Green hydrogen market
- ☑ Battery market
- ☑ Nuclear energy
- ☑ IoT (Internet of Things)

## FIVES LEADS A PROACTIVE POLICY IN TERMS OF SOCIAL RESPONSIBILITY.



### Fives' CSR commitments are based on four pillars:

- ✔ Contributing to industry's low-carbon transition through our solutions
- ✔ Minimizing the environmental footprint of Fives
- ✔ Being a responsible employer
- ✔ Being a responsible economic player

### Fives, a signatory of the UN Global Compact since 2011.

By renewing its commitment to support and report its actions in accordance with the 10 universal principles and the United Nation's Sustainable Development Goals (SDGs), Fives further asserts its commitment to show that industry can do it.



# 80%

OF FIVES INDUSTRIAL LOCATIONS ARE ISO 14001 CERTIFIED

# 4

FIVES SOLUTIONS HAVE RECEIVED THE "SOLAR IMPULSE EFFICIENT SOLUTION" LABEL

# 3.39

LOST-TIME ACCIDENT FREQUENCY RATE

# 0.13

SEVERITY RATE

### CSR CHARTER FOR SUPPLIERS AND SUBCONTRACTORS

sets out Fives' expectations of its suppliers and subcontractors in terms of social, ethical, health & safety and environmental issues.

ABOVE ALL, FIVES IS A GROUP OF PASSIONATE MEN AND WOMEN, WHO ARE ENGAGED AND HAVE A PIONEERING SPIRIT. WE BELIEVE THAT INDUSTRY IS ONE OF THE KEY ANSWERS TO THE MAJOR CHALLENGES OF OUR TIME AND EACH DAY WE SHOW THAT INDUSTRY CAN DO IT.

**An industry where nearly 9,000 employees are committed and give purpose to their mission**  
To create new solutions that improve the daily lives of millions of people  
And where sustainability is integrated from project conception.  
🕒 Fives focuses 100% of its activities on providing solutions to reduce the environmental impact of its customers.

**An industry that values diversity, equity and inclusion**  
Which provides qualified positions in the heart of our regions  
Promotes women in the workplace with over 500 professions  
And where nearly 81 different nationalities work together.  
🕒 Fives is strengthening its diversity action plans in all the countries where the Group operates.

**An industry that is committed to the growth of those who will make it prosper**  
That trains and recruits for high-skilled jobs  
Where careers and skills evolve  
Where the development of each individual is an absolute priority.  
🕒 Fives supports a strong policy of career support and internal mobility, whether it be career or geographical mobility, temporary or long-term.



NEARLY **9,000**  
EMPLOYEES

**81**  
NATIONALITIES

**78%**  
OF EMPLOYEES RECEIVED TRAINING DURING THE YEAR



TO DISCOVER OUR CAREERS AND OUR JOB OPPORTUNITIES  
SCAN THIS QR CODE





# fives

Industry can do it

## Fives

Simplified joint stock company

Share capital €102,723,764

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