

2022  
**FIVES AT A GLANCE**



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.



More than  
**200 years**  
of history

€ **1,889** million  
of **order intake**



€ **1,724** million  
of **sales**



Close to  
**8,200**  
**employees**



€ **28.3** million  
**R&D** expenditures



More than **100** sites  
in nearly **25** countries



**2,116** patents  
in force and **627** patent families



€ **1,582** million  
**backlog**



€ **356** million  
**equity**





## Fives, your partner for a more efficient and sustainable industry.

From the first railway lines to the Eiffel Tower lifts and factory 4.0, for over 200 years Fives has been designing the disruptive solutions and technologies that make up industry.

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

By responding to the specificities of each market locally, Fives combines economic and environmental performance in 25 countries thanks to its 8,200 employees.





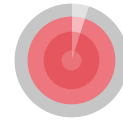
## Order intake by geographical area:



**37%**  
AMERICAS



**38%**  
EUROPE

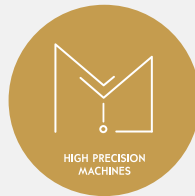


**4%**  
AFRICA  
MIDDLE EAST



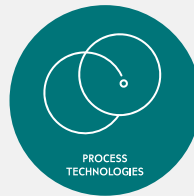
**21%**  
ASIA  
OCEANIA

## Order intake by Activity:



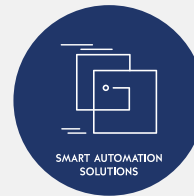
HIGH PRECISION  
MACHINES

**16%**



PROCESS  
TECHNOLOGIES

**37%**



SMART AUTOMATION  
SOLUTIONS

**36%**

OTHERS

**11%**

## An offer at the service of many sectors:

AEROSPACE ALUMINIUM AUTOMOTIVE CEMENT & MINERALS  
CHEMICALS & PETROCHEMICALS ENERGY GENERAL MACHINING  
GLASS LOGISTICS OIL & GAS STEEL SUGAR...

Fives serves many industrial sectors and develops projects worldwide.

The Group's teams have technological expertise ranging from design and commissioning, to supply and installation, including a full range of services.



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



## HIGH PRECISION MACHINES

Through its High Precision Machines Division, Fives provides complete machining solutions that offer precision and flexibility to optimize the efficiency and quality of production.



### MATERIAL REMOVAL

Machining and metal cutting solutions: milling, turning, milling/turning, boring, robotic and smart system solutions. Laser welding, laser cutting and special purpose applications.

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



### COMPOSITES & 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



## PROCESS TECHNOLOGIES

Process expertise, key proprietary equipment, sustainable technologies and digital solutions enabling customers to continuously improve their performance and efficiency and reduce their environmental footprint.

### CEMENT | MINERALS | SUGAR



#### CEMENT | MINERALS

Core process technologies (equipment, systems, complete plants), revamping and customer services: crushing, grinding, pyroprocessing, combustion, gas treatment and control & optimization.  
**FCB, Pillard, Solios**



#### SUGAR

Process equipment, process lines and services for sugar production and co-generation of electricity.  
**Cail & Fletcher**

### ENERGY



#### ENERGY | COMBUSTION

Burners, controls and customized combustion systems. Design, supply, construction and maintenance services for furnaces, flares and heaters.

**ITAS, North American, Pillard**



#### 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)**

### ALUMINIUM



#### ALUMINIUM

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

**ECL, Solios, North American**

### STEEL & GLASS



#### STEEL

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

**Winner of Fastmarkets Global Awards for Steel Excellence in 2020.**



#### TUBE AND PIPE

Market leader in ERW tube production equipment and finishing equipment for seamless and welded tubes and pipes.

**Abbey, Bronx, OTO, Taylor-Wilson**



#### GLASS

E-melting and E-boosting systems, oxy-fuel and hybrid furnaces, glass conditioning systems (working ends and forehearth), float process expertise, hot-ends and annealing lehrs.

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



## SMART AUTOMATION SOLUTIONS

As the world's leading partner in supply chain performance, Fives provides and integrates high-end smart solutions for sorting, handling and advanced automation; for the retail, distribution, e-commerce, postal and courier, automotive, manufacturing and airport markets.



### E2MOTION

With a long-standing expertise in the automotive sector, e2Motion offers automated solutions for vehicle electrification.

- precision robotic systems and automation of complex production flows, for flexible and scalable assembly lines.
- laser welding, leak testing and gap filling processes, for a proven comprehensive offer.

e2Motion accompanies major market players in their transition to more environmentally friendly vehicles (hybrid, 100% electric or hydrogen vehicles) and addresses not only the e-mobility market, but also the automotive and non-automotive filling and sealing markets, as well as the wood industry.

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



### INTRALOGISTICS

Fives is a world leader in intralogistics, providing intelligent, scalable and sustainable solutions for sorting, handling and advanced automation: 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. Today, the Group continues to innovate to improve its customers' competitiveness, operators' working conditions and environmental protection.



## TRANSVERSAL ACTIVITIES AND OTHER ACTIVITIES

### FIVES CONNECT



Created as a joint-venture between Fives and Visiativ, Fives Connect is a global and flexible digital service platform (24/24 assistance, technical documentation, ticketing and driving of remote maintenance, sale of spare parts, etc.). It integrates data analysis and artificial intelligence solutions to reinforce the management and digital monitoring of installations and equipment.

### AI & DATA PROCESSING



A service offer based on data processing and AI. Suited to all industrial sectors, it combines use of production data and control of industrial processes.

### MAINTENANCE



Industrial maintenance services through contracts with performance objectives and maintenance methods engineering solutions for operating equipment.

### PIPING SOLUTIONS



Complete tailor-made solutions for piping projects: engineering, prefabrication, assembly and maintenance.



## ADDITIVE MANUFACTURING

AddUp, a joint venture between Fives and Michelin, offers its customers complete industrial metal 3D printing solutions, from machine design and supply to services and advice on part production.

[www.addupsolutions.com](http://www.addupsolutions.com)



Fives, thanks to its ability to anticipate customer needs, is always one innovation ahead.

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

Environmental protection, flexibility, machine availability, the quality of the finished product: the Fives teams' thorough understanding of industrial processes enables to meet these challenges and optimize the use of installations. To achieve this, the Group increasingly relies on digital technology.



€ **28.3** million  
R&D expenditures



**46** new patents  
filed in 2021



**2,116** patents  
in force and **627** patent families



**31** centers  
of research and tests





Above all, Fives is a group of passionate men and women who are proud to be pioneers continuously pushing boundaries. Thanks to these men and women, Fives has been an industry leader for over 200 years and will continue to lead the industry forward for years to come.

In an effort to provide a challenging and motivating work environment for all of its people, Fives has implemented an HR policy based on dialogue, skill development and respect for diversity:

- **Dialogue:** Fives has developed opportunities for employees to exchange and discuss their careers during individual meetings/discussions.
- **Talent development:** Fives uses specific HR tools to offer its employees a career path where they will best be able to develop their potential and talent within the Group.
- **Promoting pluralism and diversity:** Diverse profiles, experiences and skills continually expand on the Group's abundance of diversity in the workplace.

## Jobs and career prospects in many fields

R&D

DESIGN

SALES

PROJECT MANAGEMENT

ON-SITE IMPLEMENTATION

SERVICE

SUPPORT

MAINTENANCE

Close to  
**8,200**  
employees



**69**  
nationalities



**18%**  
of **women**  
are **managers**



**72%**  
of employees  
received training  
during the year







Fives leads a proactive policy in terms of social responsibility, especially on issues related to the environment, health and safety and business ethics.

The Fives CSR commitments are based on five pillars:

- Minimizing the environmental footprint of Fives and its customers
- Solutions contributing to the low-carbon transition of the industry
- Being an exemplary employer
- Contributing to regional development
- 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 line 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.



FOR CSR  
PERFORMANCE, FIVES  
RECEIVES THE SCORE  
OF **71/100**  
BY ECOVADIS,  
A RATING AGENCY.

The “Gold” ranking obtained this year places Fives in the top 1% of companies evaluated by EcoVadis in the “General Purpose Machinery Manufacturing” sector.

## Environment

**77%**  
of Fives industrial sites  
are ISO 14001 certified



## Security

**2.92**  
lost-time **accident**  
**frequency** rate (Fives employees  
and temporary workers)



**4**

Fives solutions have received  
the “Solar Impulse Efficient  
Solution” label



**0.1**  
**severity** rate



## CSR CHARTER FOR SUPPLIERS AND SUBCONTRACTORS

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



# fives

Industry can do it

Fives' offer relies on a wide range of proprietary equipment, from supplying machines and key process equipment to designing workshops for the production of full lines and services, for numerous industrial sectors.

## Fives

Simplified joint stock company

Share capital €102,723,764

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