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
- 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

As of Dec. 31, 2021
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:

- **AMERICAS**: 37%
- **EUROPE**: 38%
- **AFRICA MIDDLE EAST**: 4%
- **ASIA OCEANIA**: 21%

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.

Fives’ Offer

**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**


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

More information on Fives’ business lines: www.fivesgroup.com
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
Burners, controls and customized combustion systems. Design, supply, construction and maintenance services for furnaces, flares and heaters. ITAS, North American, Pillard

ENERGY | COMBUSTION
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 | CRYOGENICS
ITAS, North American, Pillard

ALUMINIUM
Process equipment, digital solutions and complete installations for Carbon and Reduction sectors. Casthouse furnace burners. ECL, Solios, North American

ALUMINIUM

STEEL

STEEL & GLASS

STEEL

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

CEMENT | MINERALS | SUGAR

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ENERGY | COMBUSTION

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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.
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

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.
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

As of Dec. 31, 2021
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

As of Dec. 31, 2021
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

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

Security

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

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’ 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.