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

Within a network of over 100 sites, the men and women at Fives meet industrial players’ needs flexibly and responsively.

Their expertise and robust experience enable them to manage end-to-end projects with a constant focus on compliance with deadlines and performance commitments. Through effective R&D programs, Fives designs responsible industrial solutions that anticipate its clients’ needs in terms of profitability, performance, safety and services.

Every day, Fives works to make industry the answer to all challenges - a commitment enshrined in its sense of purpose, “Faire aimer l’industrie”.
More than 200 years of history

- €1,612 million of order intake
- €1,610 million of sales
- More than 8,000 employees
- €28.8 million R&D investment
- More than 100 sites in nearly 30 countries
- 2,016 patents in force and 612 patent families
Fives uses its technological expertise to achieve industrial excellence.

The Group’s offering, which is based on a broad range of proprietary equipment, extends from the provision of key process machines and equipment to the design of production workshops, complete lines and services, for a large number of industrial sectors.

The Group supports its customers throughout the life cycle of their equipment or system thanks to a wide range of services that meet their specific needs. These solutions, some of which are based on digital technology, improve the availability, responsiveness and flexibility of the production system and the quality of the final product.

Fives also provides after-sales service management solutions from the online sale of spare parts to predictive maintenance and machine performance optimization services.
Order intake by geographical area:

- **AMERICAS**: 35%
- **EUROPE**: 38%
- **AFRICA MIDDLE EAST**: 7%
- **ASIA OCEANIA**: 20%

Order intake by Activity:

- **HIGH PRECISION MACHINES**: 17%
- **PROCESS TECHNOLOGIES**: 30%
- **SMART AUTOMATION SOLUTIONS**: 42%
- **OTHERS**: 11%

An offer at the service of many markets:

- 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
PROCESS TECHNOLOGIES

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

ALUMINIUM

ECL, Solios, North American

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

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)

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

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.

TUBE AND PIPE
Market leader in ERW tube production equipment and finishing equipment for seamless and welded tubes and pipes.
Abbey, Bronx, O'TO, Taylor-Wilson

GLASS
E-melting and E-boosting systems, oxy-fuel and hybrid furnaces, glass conditioning systems (working ends and forehearts), float process expertise, hot-ends and annealing lehrs.
Prium® E-Melt, Eco-Flex & Float-Melt, BH-F Forehearth & Working End
SMART AUTOMATION SOLUTIONS

Smart automated solutions with an extensive portfolio of proprietary technologies for the Courier, Postal and E-commerce, Retail and Distribution, Food & Beverage, Baggage handling and General industries markets.

SOFTWARE

Large range of intralogistics management software (warehouse management system - WMS - and warehouse control system - WCS) backed by superior technical expertise and advanced data capabilities to control and coordinate material flows, monitor and automate production, optimize operations and maximize quality and performances. SU® Warehouse Management System (WMS), SU® Warehouse Control System (WCS), SU® Manufacturing Exécution System (MES), Material Flow Controller (MFC), Palletization software, AMR fleet management, vision solutions, Smart data, Digital Twin, Software products & services.

AUTOMATED SOLUTIONS FOR MULTIPLE INDUSTRIES

State-of-the-art automation solutions to answer the needs of a wide range of industries (postal and courier, e-commerce, retail & FMCG, automotive, airports and manufacturing industry) integrating innovative technologies and equipment: sorters, singulators, AMRs (Autonomous Mobile Robots, conveyors, automated AS/RS - storage and retrieval systems), industrial washers, assembly and robotic handling systems, palletizing and depalletizing robots. CentriSpray™, GENI-Belt™, GENI-Ant™, GENI-Flex™, OPR®, Trace®, UltiView®
The document contains information about various services and activities offered by Fives and its partners. Here is a breakdown of the content:

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

**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.

**FIVES CORTX**
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.

**FIVES 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
The Group focuses its Research & Development work on developing solutions that meet the need for sustainability and industrial performance, throughout the equipment’s life cycle, thanks to a portfolio of proprietary technologies.

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.
€28.8 million R&D investment

50 new inventions patented in 2020

2,016 patents in force and 612 patent families

31 R&D and test centers
Fives’ women and men are key to its success, and the Group fosters entrepreneurial spirit, agility, commitment and customer focus within its teams - all values that are part of its DNA.

In an effort to provide a challenging and motivating work environment for all of its people, Fives has implemented a 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 are one of the Group’s wealth.
Jobs and career prospects in many fields

More than 8,000 employees

79 different nationalities

18% of women are managers

63% of employees attended a training course during the year
Fives has a proactive policy in terms of social responsibility, in particular in areas relating to health and safety at work, business ethics and the environment.

As a player in the low-carbon transition, the Group strives to design the most advanced solutions and to help its customers improve their environmental performance through a Climate strategy.

The Fives CSR commitments are based on four pillars:
- Minimizing the environmental footprint of Fives and its customers
- Being an exemplary employer
- Contributing to regional development
- Being a responsible economic player
Fives’ Business Ethics Charter
outlines the rules of conduct, guidelines and ethical obligations that each employee must observe under all circumstances in their daily work.

Fives has been ranked in the top 1% of the panel established by EcoVadis,
an independent rating agency specializing in CSR, for the seventh year in a row. Its assessment considers the company’s performance in terms of the environment, social aspects, business ethics and responsible purchasing.

Environmental footprint

80% of Fives industrial sites are certified ISO 14001

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

Safety & Environment

2.65 accident frequency rate (Fives employees and temporary workers)

0.1 accident severity rate

Fives officially joined the United Nations Global Compact in 2011. This initiative is based on the promotion and implementation of 10 universal principles which offer a framework for compliance with Human Rights, labor and environmental standards, and anti-corruption measures.