



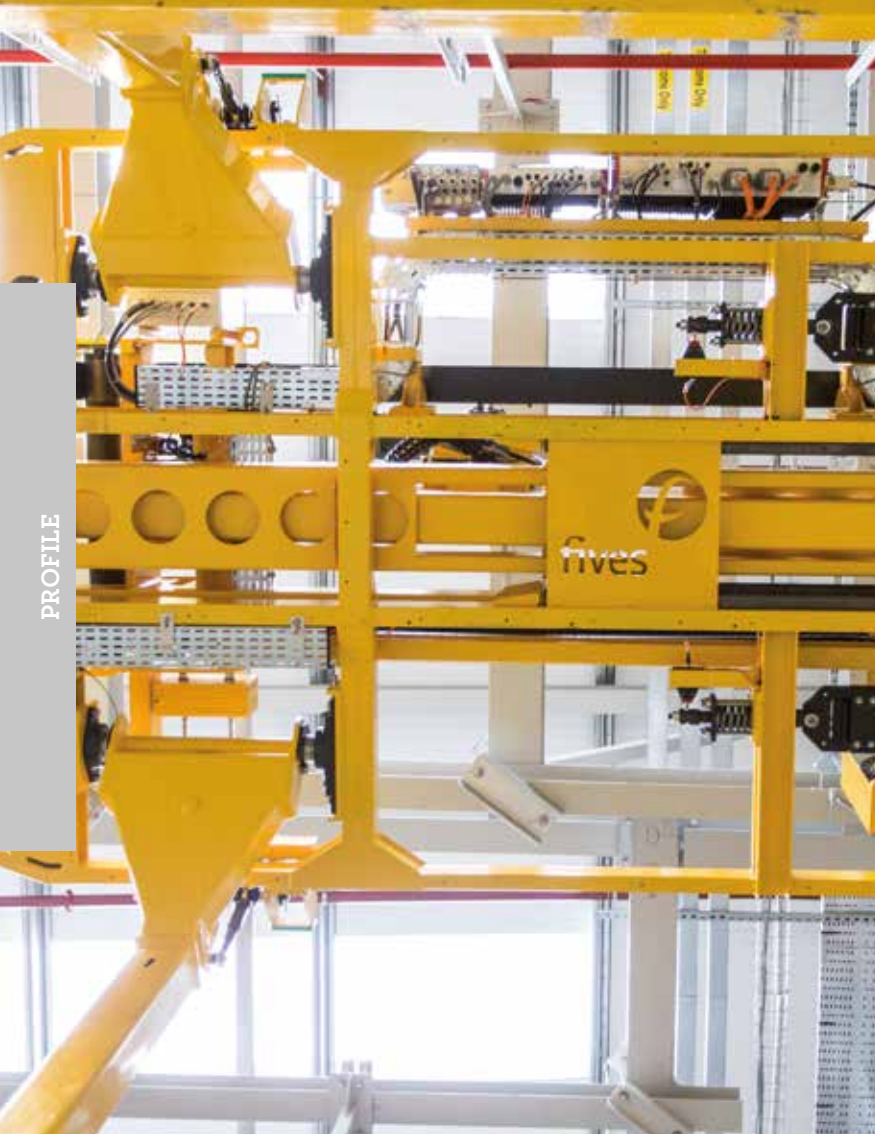
fives



INDUSTRY CAN DO IT

2020

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 biggest industrial groups.

The Group develops projects worldwide. 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.

More than
200 years
of history

€ **1,841** million
of order intake



€ **1,999** million
of sales



More than **8,400**
employees



€ **33.6** million
R&D investment



More than **100**
sites in nearly **30** countries



1,952 patents
in force and 609 patent families





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. Fives uses its technological expertise to achieve industrial excellence.

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 region:



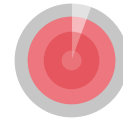
26%

AMERICAS



45%

EUROPE



8%

AFRICA &
MIDDLE EAST



21%

ASIA & OCEANIA

Order intake by Activity:



HIGH PRECISION
MACHINES

19%

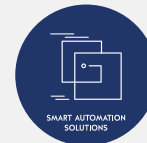
HIGH PRECISION
MACHINES



PROCESS
TECHNOLOGIES

41%

PROCESS
TECHNOLOGIES



SMART AUTOMATION
SOLUTIONS

32%

SMART
AUTOMATION
SOLUTIONS

OTHERS

8%

DESIGN

MANUFACTURE

INSTALLATION

COMMISSIONING

PROJECT MANAGEMENT

SERVICE

MAINTENANCE

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



HIGH PRECISION MACHINES

Through its High Precision Machines Division, Fives provides machine-tools that offer precision and flexibility to optimize the efficiency and quality of production.



AUTOMATED COMPOSITE SOLUTIONS

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

Cincinnati, Forest-Liné, Lund Engineering



MATERIAL REMOVAL

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

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



GRINDING | ULTRA PRECISION

Grinding solutions and precision machine-tools: Orbital, Centerless, Surface, ID/OD and Ultra-precision machines.

Bryant, Cincinnati, Cranfield Precision, Daisho, Gardner, Giustina, Landis



FILLING | SEALING

Fluid filling, fluid and leak test, and sealing equipment.

DeckerSealing™, RapidCharge®



LASER SYSTEMS

Laser welding, laser cutting, special purpose applications, additive manufacturing solutions.



CUTTING TOOLS | ABRASIVES

Custom engineered diamond and cBN cutting tools; diamond dressing tools; conventional and superabrasive grinding wheels.

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, Machine Tool Services & Solutions, GrinderCare



PROCESS TECHNOLOGIES

Fives designs and supplies process expertise, key proprietary equipment, sustainable technologies and digital solutions enabling customers to continuously improve their performance and efficiency.

ALUMINIUM



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

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, heaters and steam generation units.

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 filling systems.

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, ground-breaking technologies and digital tools, supporting steel manufacturers ability to achieve the ultimate in performance excellence.

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



TUBE AND PIPE

Welded tube mill lines, finishing equipment for both seamless and welded tubes and pipes, services.

Abbey, Bronx, OTO, Taylor-Wilson



GLASS

A recognized expert in melting and thermal conditioning technology for all types of glass. The offer also includes hot-ends, annealing lehrs and standalone equipment, as well as pre-engineering contracts and revamp projects.

Prium®



SMART AUTOMATION SOLUTIONS

Fives is delivering smart automated solutions to meet all customer's needs. 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, Fives is addressing all applications requiring fast and smart automation solutions anywhere in the world.



AUTOMATION

Complete automated and integrated systems: assembly solutions, washers, conveyors, gantries, fasteners, interlinking and robotic handling solutions, software and traceability solutions.

CentriSpray™, CFC, Cinetic, DyAG, ETFA



INTRALOGISTICS

Meeting customers' expectations thanks to outstanding automated solutions for internal logistics flows for a wide variety of markets: food industry, distribution, e-commerce, postal and courier, and manufacturing industry.

GENI-Belt™, GENI-Ant™, GENI-Flex™, OPR®, Trace®, UltiView®

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



A pioneer from the outset, Fives is committed to offering the best solutions available on the market, and to do so it relies on a portfolio of proprietary technologies.

The Group focuses its Research & Development programs on the development of technological solutions that meet industrial customers' performance needs in terms of environmental compliance, flexibility, machine uptime and end-product quality. As it facilitates the management and maintenance of industrial production tools, digital is a major focus of the Group's R&D policy.



€ **33.6** million
R&D investment



46
new inventions
patented in 2019



1,952 patents
in force and 609 patent families



30 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

R&D

DESIGN

SALES

PROJECT MANAGEMENT

ON-SITE IMPLEMENTATION

SERVICE

SUPPORT

MAINTENANCE



More than **8,400**
employees



65
different nationalities



17 %
of **women**
are **managers**



70 %
of employees
attended a training course
during the year



Since the creation of its CSR department in 2008, Fives has pursued a proactive policy in terms of social responsibility, in particular in areas relating to health and safety at work, business ethics and the environment.

In 2019, Fives strengthened its action on key challenges: combating climate change, developing technologies for the circular economy and contributing to the economic and social development of the regions where the Group is located.

These commitments are based on four pillars, and are implemented through several initiatives:

- Minimizing the environmental footprint of Fives and its customers:

- . Reducing environmental impacts on its sites
- . Improving customers' environmental performance

- Being an exemplary employer:

- . Protecting the health and safety of the women and men working at Fives
- . Promoting diversity and guaranteeing equal opportunities

- Contributing to local development:

- . Supporting the local economy
- . Contributing to the integration of people remote from the labor market
- . Encouraging civic engagement among employees

- Being a responsible economic player:

- . Promoting fair behavior in our markets
- . Implementing a 'Responsible Purchasing' approach



*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.

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.

Environmental footprint

79%
of Fives **industrial sites**
are **certified ISO 14001**



Safety & Environment

3.39
accident frequency rate (Fives
employees and tempory workers)



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.

0.2
accident **severity rate**





fives

Industry can do it

Fives' offer relies on a wide range of proprietary equipment, ranges 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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