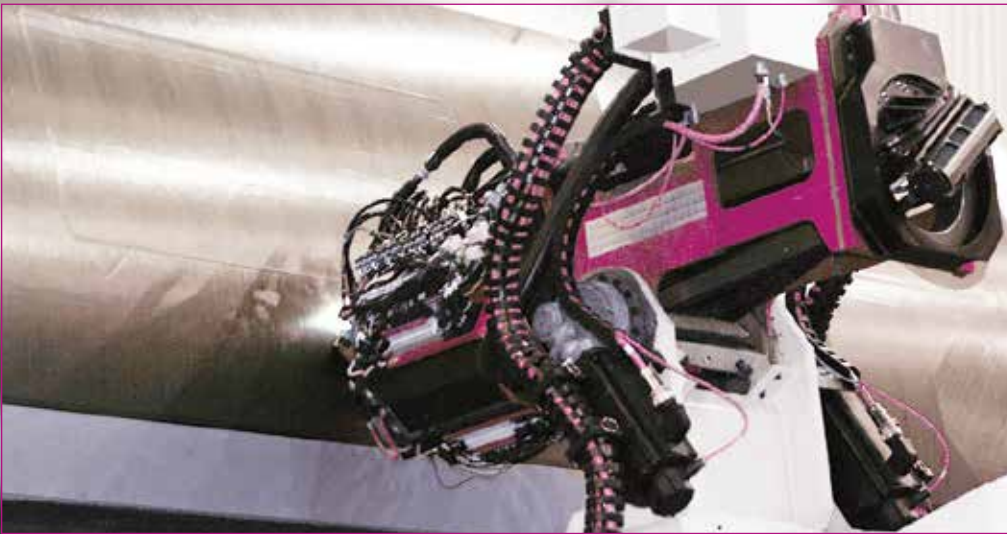




fives



2016

Fives at a glance

FIVES OVERVIEW

FIVES AT A GLANCE

As an industrial engineering group, Fives designs and supplies machines, process equipment and production lines for the world's largest industrial players.

Fives' multisector expertise gives it a global vision of the industry which provides a continuous source of innovation.

The Group's know-how and solid field experience allow it to manage projects as a whole while respecting deadlines and fulfilling performance commitments.

The effectiveness of its R&D programs enables Fives to design forward-thinking industrial solutions that anticipate clients' needs in terms of profitability, safety and compliance with environmental standards.

This strategy is backed by a human resources policy that is focused on the individual, encourages initiative-taking and technical excellence.

Expertise
**DESIGN
SUPPLY
INSTALLATION
PROJECT
MANAGEMENT
SERVICE**

KEY INDUSTRIES

aerospace • aluminium •
automotive • cement and
minerals • energy • glass •
logistics • steel...

€1,718 million of sales

€1,708 million of order intake

 €35.5 million spent on R&D
1,948 patents in force

 Close to
8,300 employees

 A network of over
100 operational units
in nearly 30 countries

More than 200 years of history

FIVES

GLOBAL PRESENCE AND REFERENCES

FIVES AT A GLANCE

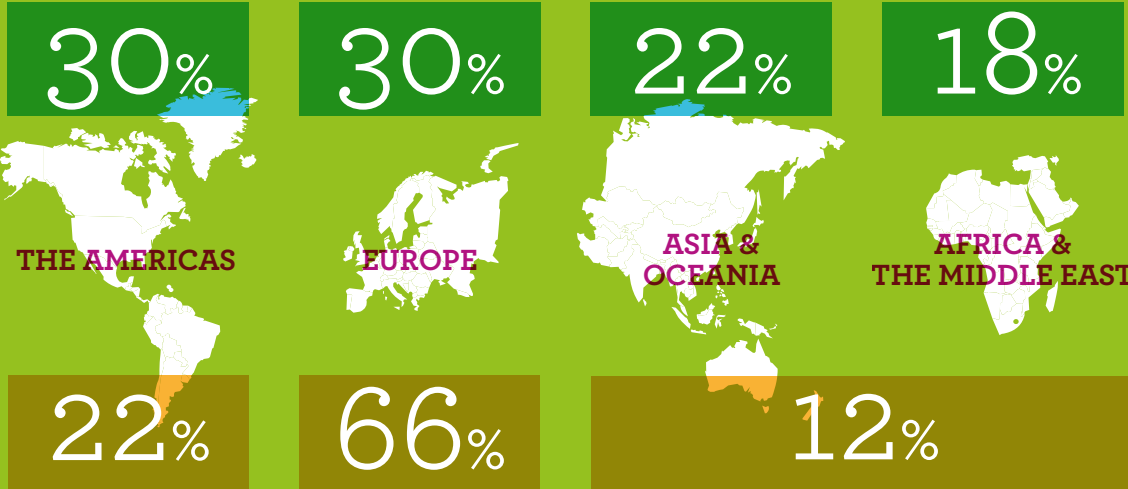
Fives is strongly present all over the world and has a network of over 100 operational units in nearly 30 countries.

From the single component and machine to the complete production line, its references are worldwide.

Fives' international multisector expertise gives the Group a panoramic overview of the industrial world on global scale.

The Group relies on a network of experts dedicated to design, project management, commissioning, service and maintenance which brings it closer to its customers. This network also gives Fives the ability to draw on the experience of all its companies in any region of the world providing flexibility and responsiveness.

SALES BY GEOGRAPHICAL AREA



Thousands of
EQUIPMENT
OR SOLUTIONS
INSTALLED
WORLDWIDE

EMPLOYEES BY GEOGRAPHICAL AREA

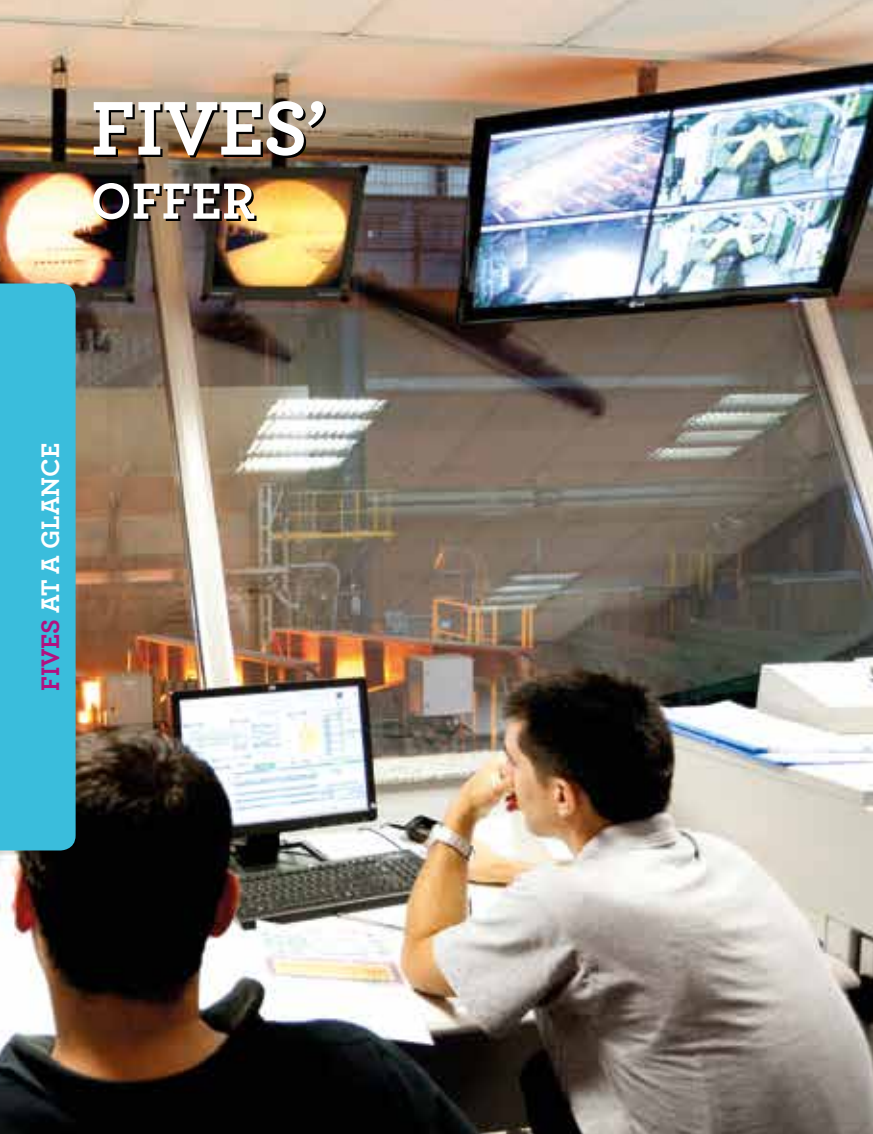


*A network of over **100**
operational units in nearly
30 countries*

France • USA • Italy • China • United Kingdom • Canada • India • Japan • Germany • Spain • Switzerland • Mexico • Australia • South Africa • United Arab Emirates • Brazil • Bahrain • Russia...

FIVES' OFFER

FIVES AT A GLANCE



Fives provides high added-value solutions and equipment for the world's largest industrial players. As a designer and a manufacturer, Fives has its own proprietary technologies and supplies machines, process equipment, complete production lines and process units.

The multisector commercial offer of Fives is presented through 19 business lines, specialized by market or technology. Each business line includes design, supply, installation, service and maintenance.

Fives supports its customers throughout all the entire lifecycle of their equipment, from commissioning to revamping.

Fives offers a service portfolio according to its customers' needs:

- **OPERATION**: to ensure the highest level of equipment performance;
- **OPTIMIZATION**: to maximize the efficiency of production processes;
- **EVOLUTION**: to guarantee equipment sustainability.

FIVES, MULTISECTOR EXPERTISE MANAGED BY EXPERT TEAMS

Fives' multisector offer is presented through **19 dedicated business lines** which are **technology driven** or by **end-markets**.

Moreover, some end-markets like automotive, aerospace and heavy industry are served by numerous technology business lines.



MULTIPLE END-MARKETS |

AEROSPACE • ALUMINIUM • AUTOMOTIVE & TRUCK • BIOENERGY • CEMENT & MINERALS • CHEMICALS & PETROCHEMICALS • CRYOGENICS • ENERGY • GENERAL MACHINING • GLASS • HEAVY EQUIPMENT • LOGISTICS • MANUFACTURING INDUSTRY • OIL & GAS • RAIL • STEEL • SUGAR • THERMAL & NUCLEAR POWER • TRANSPORTATION • WIND ENERGY...

AMONG FIVES' CLIENTS |

AIRBUS • AIR LIQUIDE • ALCOA • ALSTOM • ARCELORMITTAL • AREVA • BAOSTEEL • BHP BILLITON • BOEING • CEMEX • DAIMLER • DHL • EDF • FEDEX • FORD • GM • GROUPE LA POSTE • HINDALCO • HOLCIM • HONDA • LAFARGE • MICHELIN • OUTOKUMPU • POSCO • PSA PEUGEOT CITROEN • QATAR NATIONAL COMPANY • RENAULT NISSAN • RIO TINTO ALCAN • RUSAL • SAGAWA • SEVERSTAL • SNCF • TATA • TEREOS • THYSSENKRUPP • TOTAL • TOYOTA • VOLKSWAGEN • YAMATO...

FIVES' OFFER

Fives' commercial offer consists of **19 business lines** according to markets and technologies.

Each business line includes design, supply, installation, service and maintenance.



ALUMINIUM

Process equipment and complete installations: Carbon, reduction and casthouse sectors.

Some products: ECL™, Eolios, Genios, North American Regenerative Furnace, Ozeos, Rhodax®, Xelios, Yprios...



CRYOGENICS | ENERGY

Brazed heat exchangers, cold boxes, cores-in-drums and cryogenic pumps for air separation, distribution, natural gas processing, LNG, olefins and petrochemicals, helium and filling systems. **Range of products:** Cryo (heat exchangers, cold boxes) and Cryomec (cryogenic pumps)



AUTOMATION

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

Range of products: CentriSpray™, CFC, Cinetic, DyAG and FG



CUTTING TOOLS | ABRASIVES

Custom engineered superabrasive tooling, abrasive and superabrasive wheels, providing cutting and grinding solutions.

Range of products: CITCO and Gardner Abrasives



CEMENT | MINERALS

Core process equipment and complete plants: Crushing, grinding, pyroprocessing, combustion, gas treatment and control & optimization.

Range of products: FCB and Pillard



CHEMTEC

Process solutions and proprietary equipment for the separation and purification of chemicals: Coal Tar Distillation (CTD) and Melt Static Crystallization (MSC).

Range of products: Proabd®



COMBUSTION

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

Range of products: ITAS, North American and Pillard



FILLING | SEALING

Fluid filling, fluid tests and sealing equipment.

Range of products: DeckerSealing® and RapidCharge®



GLASS

Process equipment and complete line for float, flat and specific (fiber, container...) production.

Range of products: Prium®



GRINDING | ULTRA PRECISION

Grinding solutions and machine tools for precision component manufacturers.

Range of products: Cranfield Precision, Giustina, Grinder CareSM, Landis and Landis-Bryant

FIVES' OFFER



INDUCTION

Induction heating and industrial cooling equipment and solutions.

Range of products: CELES



INTRALOGISTICS

Handling and sorting solutions to automate internal logistics streams for postal and courier companies, distribution centers and baggage handling systems. *Some products: GENI-belt™ cross-belt, TRISORT SDX shoe sorter, WCS Trace®, LPS, ACCORD Singulators...*



METAL CUTTING | COMPOSITES

Metalworking machine tools, automated composites processing systems and complete manufacturing solutions.

Range of products: Cincinnati, Forest-Liné, Giddings & Lewis, Global Services and Liné Machines



PIPING SOLUTIONS

Industrial piping: Engineering and on-site expertise, prefabrication, new construction, maintenance, highly technical equipment.



STEEL

Complete processing lines, mechanical, thermal, finishing equipment and surface treatment technologies.

Range of products: Abbey, Bronx, CELES, DMS, North American, OTO and Stein



MAINTENANCE

Preventive and corrective maintenance solutions through contracts with performance objectives and maintenance engineering support services.



MANUFACTURING

Mechanical subcontracting for all projects from welding, machining, assembly including equipment repairs.



SUGAR | BIOENERGY

Process equipment and process lines for sugar recovery and co-generation of electricity.

Range of products: Cail and Fletcher



TUBE AND PIPE

Tube and pipe mills, straighteners and finishing equipment.

Range of products: Abbey, Bronx, OTO and Taylor-Wilson



More information on
Fives' 19 business lines:
www.fivesgroup.com





FIVES' ADVANCED PROPRIETARY TECHNOLOGIES

FIVES AT A GLANCE

Pioneering since its origin, Fives has based its strategy on the development of the best available technologies and services in the market.

Fives focuses on developing high-value proprietary technologies which are partly related to the energy and environmental performance.

Fives was one of the first designer of capital goods to formalize its eco-design program, the Engineered Sustainability®, which is known to meet strict and transparent specifications.

Fives benefits from a major technological advance notably in grinding, composite tape-laying, fluid filling of equipment, combustion systems, sorting systems, furnaces, heat exchangers and solutions for the aerospace, aluminium, automotive, cement and minerals, energy, glass, logistics and steel industries.



€35.5 million spent on R&D

With 50 new patented inventions in 2015, Fives has enhanced its patent portfolio to

1,948 patents in force
and 582 families



28 research
and test centers



22% of first patent in application related
to energy and environmental
performance

Fives' eco-design approach, the
Engineered Sustainability[®]
innovation program and brand,
aims to optimize the energy performance and
reduce environmental impacts of its products



Since the end of February 2016,

11 products

have been awarded the *Engineered Sustainability*[®]
brand in the following business lines:

- ALUMINIUM
- AUTOMATION
- CHEMTEC
- COMBUSTION
- INTRALOGISTICS
- STEEL

FIVES' PEOPLE

Men and women are what make the Group successful.

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.

Thanks to its workforce of almost 8,300 people, located in 30 countries, Fives can rely on dedicated teams that combine initiative, know-how, technical excellence and customer proximity.



Close to

8,300 employees

61 different nationalities



68%

*are engineers,
managers,
technicians,
designers
or supervisors*



37%

*of women are
engineers and
managers*



74% of employees

attended a training course during the year

Dialogue • Development • Diversity

Numerous career opportunities in many fields including

**R&D
PROJECT
MANAGEMENT
SALES
DESIGN
MAINTENANCE
ON-SITE
IMPLEMENTATION
SERVICE
SUPPORT**

FIVES' COMMITMENTS

FIVES AT A GLANCE



Fives' development is supported by sustainable actions, notably in terms of ethics, safety, environment and governance.

In terms of Corporate Social Responsibility, Fives has developed a comprehensive program within the Group to address its challenges. It is structured around 4 key concerns:

- **ENVIRONMENT**

Minimize Fives' environmental footprint and that of its clients: Eco-design & machine safety and environmental management.

- **ECONOMICS**

Promote fair practices in the marketplace: Ethical conduct & anti-corruption and sustainable partnerships.

- **SOCIAL**

Provide a safe and motivating workplace: Health & Safety management, diversity and social benefits, skills & career management and monitoring employees' satisfaction.

- **GOVERNANCE**

Embed the CSR priorities into the organization of each Fives Entity: CSR coaching program.

As an industrial engineering group, Fives has reflected on the factory of the future since 2012 and has opened the debate on industry sustainability and its growth axle.

ETHICS



Fives officially joined the UN Global Compact in 2011. This initiative for businesses is based on the promotion and implementation of 10 universal principles which provide a framework for compliance with Human Rights, labor standards, environmental and corruption prevention measures.



Fives' Code of conduct sets the principles and rules that govern the behavior of each Group employee. Each employee has received a copy of this Code in their native language, with 13 different language versions available in the Group.

SAFETY & ENVIRONMENT



SAFETY

3.91 accident frequency rate for Fives employees and temporary workers in 2015, declining for 7 continuous years.



ENVIRONMENTAL FOOTPRINT

74% of Fives' industrial sites are ISO 14001 certified.

Top 2% of the EcoVadis panel

Fives deliberately requested to be assessed by EcoVadis, a rating agency specialized in CSR. Fives has been awarded a rating of 71/100 by EcoVadis for its CSR performance, placing it in the top 2% of businesses assessed by this independent party. It provides an assessment by taking into account company's performance in four areas of corporate social responsibility: environment, social aspects, business ethics and responsible procurement.

THE ABILITY TO LISTEN, STRONG DEDICATION AND PIONEERING SPIRIT make Fives a partnering group for its clients with the capability to anticipate their needs and propose the most efficient, relevant and forward-thinking solutions.

FACTORY OF THE FUTURE



*In 2012, Fives created the **Fives Plants of the Future Observatory**, a think-tank whose mission is to open the debate on the future industry.*

Events are regularly organized with leading figures (economists, sociologists, journalists...) and industrial players who shed a new light and enrich the debate on the factory of the future.

*In 2013, Fives jointly led the **Factory of the future** plan within the French governmental program: “**Nouvelle France Industrielle**” (the New face of Industry in France).*

*Fives remains involved in the “**Alliance Industrie du Futur**” (the Industry of the Future Alliance), a group of businesses, professional organizations, scientific and academic institutions, and regional authorities responsible for rolling out the French government’s **Industry of the Future** plan.*



AS AN INDUSTRIAL ENGINEERING GROUP, **Fives** designs and supplies machines, process equipment and production lines for the world's largest industrial players.

MORE INFO

www.fivesgroup.com

www.plantsofthefuture.com

OTHER DOCUMENTS

- *Annual and CSR Report*
- *Financial Report*

