



IWF 

IRON WILL FRANCE

THE FUSION OF OUR BUSINESS LINES TO SERVE YOUR PROJECTS



➤ iwf-france.com

THE IWF GROUP IN NUMBERS




300
 employees providing end-to-end project management




40
 years of service to clients



10
 entities specialising in their areas of expertise around the world :
 EUROPE
 RUSSIA
 CHINA
 MIDDLE EAST
 NORTH AFRICA
 SOUTH AMERICA



A strict QHSE strategy ensuring completion of the project under optimal conditions.



Use of the best 3D modelling and calculation softwares.



BUSINESSES & EXPERTISE



BUSINESS AREAS

- ENERGY**
 - › Biomass energies
 - › Renewable energies (Hydropower and solar)
 - › Nuclear energies
 - › Fossil energies
 - › Biogas
- NATURAL RESSOURCES**
 - › Oil extraction
 - › Gas extraction
 - › Mines & Quarries
- CHEMICALS**
 - › Petrochemicals
 - › Para-petroleum processing
 - › Inorganic chemicals
 - › Fine chemicals
- LIFE SCIENCES**
 - › Food Processing
 - › Fertilizers
- LOGISTICS & INFRASTRUCTURE**
 - › Cement Plant (procurement and terminals)
 - › Tunneling
 - › Harbour
 - › Mineral insulation
 - › Plaster-based builing materials

AREAS OF EXPERTISE

- ENGINEERING**
 - › Sizing
 - › Mechanical & Process
 - › Design
 - › Integration
 - › Industrial design studies
- MANUFACTURING**
 - › Sheet metalwork
 - › Piping
 - › Welding
 - › Cutting & machining
 - › Surface treatment
 - › Hydrostatic testing
 - › Assembly
 - › Warehousing & Maintenance
- INSTALLATION**
 - › Assembly
 - › Subcontractor management
 - › Start-up
- QUALITY**
 - › Welding
 - › Inspection
 - › Documentation
 - › Standards
- PROJECT MANAGEMENT**
 - › Planning
 - › Contractual
 - › Financial
 - › Relational



ENERGY

[Feminine noun]

Systems capable of producing and recovering primary energy sources.



BIOMASS ENERGY

Processing of all organic matter (animal or vegetable) to produce energy.

Examples of equipment :

- Balance of Plant Scope - Heat exchangers
- Water-steam cycles
- Handling and transport : Ship unloading (Stand Hop™ hopper), truck and train loading and unloading, storage, grinding, screening, factory conveyors, wide belt conveyors
- Dryers and roasters

RENEWABLE ENERGIES

Equipment focusing on hydropower and solar energy

Examples of equipment :

- Marine turbines, cofferdams, etc
- Overland conveyors for the construction of hydroelectric dams
- Development of overland solar power
- Development of structures for solar power fields

NUCLEAR ENERGIES

Exploitation of the energy released by the fission of atomic nuclei inside a nuclear reactor

Examples of equipment :

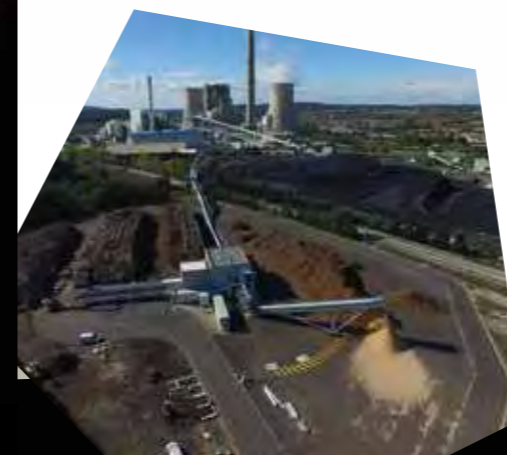
- Exchangers
- Filters
- Columns
- DESP or ESPN

FOSSIL ENERGIES

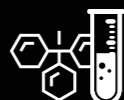
Recovery of energy produced by the combustion of fossilised organic matter contained in the subsoil

Examples of equipment :

- BOP - Exchangers
- High/low pressure feed water heaters, vacuum condensers, vacuum exhaust ducts, utility skids, thermal oxidation and energy recovery
- Fuel gas conditioning
- Ship unloading, truck and train loading and unloading, storage, grinding, screening, factory conveyors
- Apron feeders



BUSINESS SECTORS





NATURAL RESSOURCES

[Feminine noun]

Nature and pre-industrial methods for its exploitation.



LIFE SCIENCES

[Feminine noun]

Industrial processing of agricultural products for food.



OIL TREATMENT

Examples of equipment :

- Exchangers, columns, filters, packages
- Three-phase separators, electrostatic desalters, oily water treatment, fiscal metering

GAS TREATMENT

Examples of equipment :

- Exchangers, columns, filters, packages
- Gas dehydration
- Gas sweetening
- Flare gas recovery
- Transaction counts

MINES AND QUARRIES

Mined minerals : Nickel, iron, gold, copper, manganese, bauxite, sulphur, phosphate, aggregates, limestone and coal

Examples of equipment :

- Hoppers and chutes
- Surface equipment: overland conveyors, long span crossing (belt conveyor suspended on cables), mobile hoppers, rail-mounted stackers, reclaimers, factory conveyors, train loading and unloading, truck and ship loading, and apron feeders
- Underground equipment: breakers, gearboxes, longwall shearers, belt conveyors, chain conveyors and extractors
- Rotary dryers

FOOD PROCESSING

Cereals, meal

Examples of equipment :

- Utility distribution systems
- Roasting and gasification
- Turnkey systems, ship and train loading and unloading, storage, weighing and factory conveyors
- Oilseeds : dryer drum

FERTILISERS

Examples of equipment :

- Exchangers, columns
- Exchanger sizing
- Turnkey systems for corrosive environments, ship unloading, storage, weighing and factory conveyors
- Grinders, dryers, pelletisers

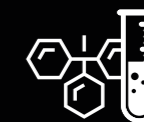




LOGISTICS & INFRASTRUCTURE

[Feminine noun]

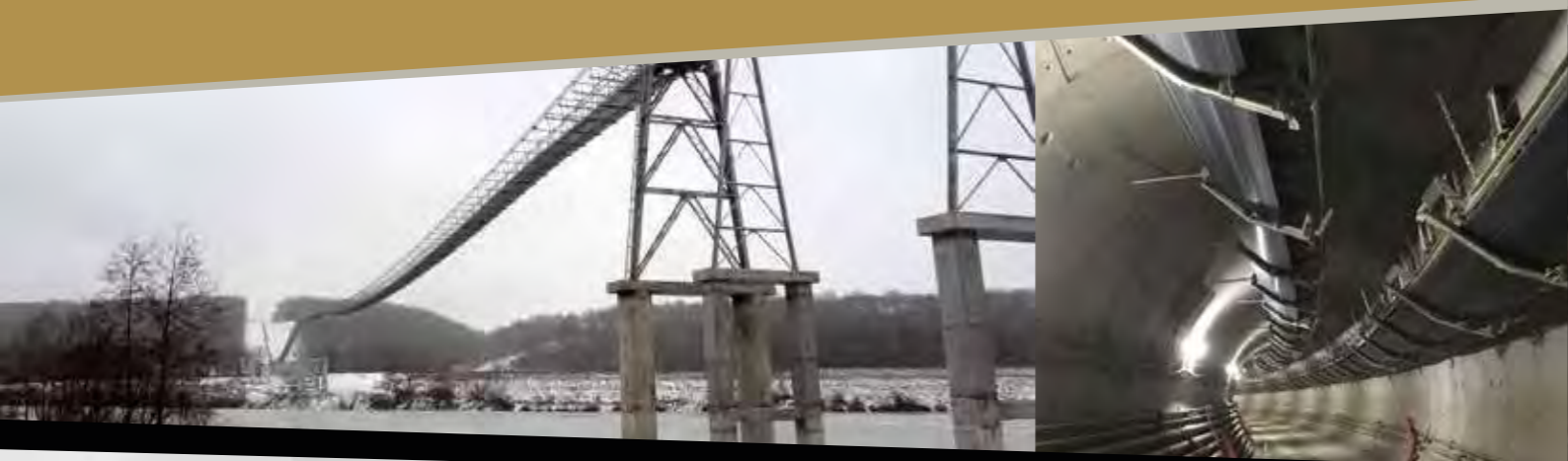
All the methods and means relating to the organisation of a service, company, etc., including handling, packing, transport and in some cases procurement.



CHEMICALS

[Feminine noun]

Study of the various components of matter, their properties, processing and interactions.



CEMENT PLANT (PROCUREMENT)

Clinker and limestone

Examples of equipment :

- Turnkey systems, ship, train and truck unloading, storage, grinding, screening, factory conveyors, overland conveyors, apron feeders
- Conveyor structures, Stand Hop™ hoppers, chutes, apron feeders and belt extractors

CEMENT PLANT (TERMINALS)

Examples of equipment :

- Piping
- Turnkey systems, transport, storage and bagging (Big Bags)
- Dust pelletising

TUNNELING

Examples of equipment :

- Extendable conveyors, reserves of horizontal and vertical belts, vertical transfers (ZZ Belt, lifts, etc.), storage, trippers and belt extractors
- Apron feeders
- Conveyor structures, hoppers and chutes

MINERAL INSULATION

Examples of equipment :

- Truck unloading, conveying, storage, weighing, blending
- Material preparation workshops

PLASTER-BASED BUILDING MATERIALS

Examples of equipment :

- Gypsum extration : feeders and crushers
- Gypsum transport : belt conveyors
- Calcining : vertical and horizontal rotary kilns, dryers
- Comprehensive plaster tile and board production lines (preparation, proportioning, blending, shaping, drying and palletising)

HARBOUR

Examples of equipment :

- Turnkey systems, ship, train and truck unloading, storage, grinding, screening, factory conveyors, overland conveyors and Stand Hop™ hoppers



PETROCHEMICALS

Examples of equipment :

- Exchangers, columns, filters, packages
- Exchanger sizing

PARA-PETROLEUM PROCESSING

Examples of equipment :

- Reactors, exchangers, columns filters, packages

INORGANIC CHEMICALS

Examples of equipment :

- Reactors, exchangers, columns, filters, packages
- Dryers, pelletisers

FINE CHEMICALS

Examples of equipment :

- Exchangers, columns, filters, packages
- Dryres and pelletisers

PHARMACEUTICALS

Example of equipment :

- Utilities
- Dryers and pelletiers

COSMETICS

Example of equipment :

- Utilities
- Dryers, pelletiers



AREAS OF EXPERTISE



ENGINEERING

MECHANICAL & PROCESS SIZING //

DESIGN //

INTEGRATION //

INDUSTRIAL DESIGN STUDIES //

RESEARCH AND DEVELOPMENT //



MANUFACTURING

STEEL - STAINLESS STEEL - NOBLE MATERIALS

SHEET METALWORK //

- Pressure vessels
- Exchangers
- Skid units
- Metal framework
- Heavy & custom sheet metalwork

PIPING //

- Prefabrication workshop :
 - 2 specialised workshops (carbon & stainless steel)
 - All diameters

WELDING //

- Automatic
- Manual
- Robotic

CUTTING & MACHINING // SHEET METAL / TUBES / BELLIED END PLATES //

- Cutting of sheet metal, tubes and bellied end plates
- Turning
- Milling

SURFACE TREATMENTS //

- Sand-blasting / shot blasting
- Painting
- Passivation

PERFORMANCE TESTING //

- Hydraulic
- Electrical
- Pneumatic
- Vacuum



INSTALLATION

ASSEMBLY //

- Supervision

SUBCONTRACTOR MANAGEMENT //

- Handling
- Heat insulation
- Electricity
- Instrumentation
- Civil engineering

START-UP //

- Mechanical testing
- Fluids
- Electrical power
- Instrumentation
- Regulation
- Performances

INDUSTRIAL MAINTENANCE //

- On-site support



QUALITY

WELDING //

- Welding procedures
- Tracking of welder qualifications
- Welding book
- Welding traceability
- Research and development

INSPECTIONS // COFREND 2 :

- Visual
- Penetrant testing
- Magnetic particle testing
- Dimensional
- Chemical composition
- X-ray testing

DOCUMENTATION //

- Project schedule
- Quality plan
- Manufacturer's Data Book
- Procedures

STANDARDS MONITORING //



PROJECT MANAGEMENT

PLANNING //

CONTRACTUAL //

FINANCIAL //

RELATIONAL //




GROUP LOCATIONS




OUR SATISFIED CUSTOMERS :





IWF Locations



IWF References

OUR COMMITMENTS

Building the company of tomorrow means adapting to changing markets. But it also means incorporating societal and human concerns into our economic objectives, always from a perspective of the sustainable long-term development of our activities.

ADAPTING OUR DEVELOPMENT STRATEGY

- Identifying opportunities for growth
- Adapting to changes in the market
- Understanding internal and external implication
- Consolidating current markets through the excellence of our products and services
- Diversifying our business areas
- Maintaining our international development

PUTTING PEOPLE AT THE HEART OF OUR BUSINESS

- Perceiving the company as a "social tie"
- Developing employees' sense of and pride in belonging to the company
- Involving, motivating and empowering each employee on a daily basis
- Supporting individuals throughout their career paths
- Transmitting knowledge of and passion for the business
- Pursuing all employees' fulfilment within our organisation

SATISFYING OUR CLIENTS AND OTHER INTERESTED PARTIES

- Responding to their needs and expectations in relevant ways
- Ensuring the performance of our projects
- Meeting our commitments
- Providing quality customer service
- Being professional

BUILDING THE COMPANY OF TOMORROW

PROMOTING THE GROUP AND ITS EXPERTISE

- Developing the Group's communications
- Promoting the company
- Communicating about our activities, both internally and externally
- Inspiring trust in our clients and partners
- Remaining permanently active across our different communication tools

CONTROLLING RISKS

- Economic
- Legal
- Safety and environmental
- Technological
- Computer
- Sociocultural
- Geopolitical

OUR STRENGTHS

• TECHNICAL EXPERTISE and integration of our design offices, enabling customised projects

• EMPLOYEE PROFILES specialising in their business sector to meet all our clients' requests

• 4 PRODUCTION FACILITIES around the world

• QUALITY MONITORING to ensure compliance with all compulsory standards

• COMPLEMENTARITY of professions and know-how between divisions

• VERY WELL-KNOWN BRANDS around the world due to quality facilities which are still in operation today

• PRODUCTION EQUIPMENT in our workshops that are modern and high-performance

• PERSONALISED SUPPORT throughout each project with a single point of contact

• SALES REPRESENTATIVES in the four corners of the planet to offer local connections

• TEAM FOR INSTALLATION and integrated supervision to ensure the proper installation and start-up equipment

• A HSE POLICY that is highly engaged

• A SUPPORT CENTRE serving the Group's subsidiaries

OUR CERTIFICATIONS



OUR SUBSIDIARIES



Specialising in the design, manufacturing and installation of transport and storage equipment for bulk

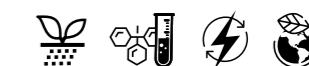
• Equipment brands :



Specialising in the design, manufacturing and installation of rotary equipment for thermal, pelletising and coating processes.



Specialising in the design, manufacturing and installation of turnkey process units.



Specialising in the design, manufacturing and installation of production units for the plaster industry.



Specialising in the design, manufacturing and installation of equipment dedicated to the exploitation of mines and quarries.



Specialising in the design, manufacturing and installation of process equipment and units.



Specialising in the promotion, distribution and management of instruments and spare parts (fiscal metering products, cartridge filter, etc.)



OUR PRODUCTION FACILITIES



7 000 m² workshop :

- 5 500 m² Steel
 - 1 500 m² Clean Workshop
- Development projects in progress*

Annual production capacity :

- 120,000 hrs :
 - 83,000 hrs Workshop
 - 37,000 hrs clients' sites

Materials worked:

CARBON STEEL / STAINLESS STEEL / DUPLEX / SUPER DUPLEX / MONEL / INCONEL NICKEL / TITANIUM / CUPRONICKEL / ALUMINIUM BRONZE...



MACHINERY

- **Plasma cutting machine** – MicroStep CombiCut (unique in Europe) – Sheet metal, tubes and bellied end plates
- **Steel roller equivalent to the S355JR**
Maximum capacity: 3,000 x 70 or 2,000 x 80 mm
- **Welding:** Welding arm (1600A submerged arc welding, SAF TIG automatic welding arm (2 heads), etc.), TIG / MIG welding and orbital welding (2 orbital TIP heads / 3 BW closed TIG heads / 2 BW open TIG heads)
 - **Special exchanger equipment** : Expansion, docking and detubing
 - **Machining centre**
 - **Shot-blasting booth / Paint spray booth**
 - **Testing area**



MACHINERY

- **Plasma cutting machine** – 5 axes – Sheet metal, tubes and bellied end plates
- **Roller** – Maximum capacity : 18 mm x 3,000 mm – Ø 800 mm
- **Welding** : Submerged arc welding arm, IG, MIG-MAG and pulsed MIG-MAG welding



2 400 m² workshop :

- 2 000 m² STEEL
- 400 m² NOBLE MATERIALS

Annual production capacity :

- 40,000 hrs



1 500 m² workshop
90 m² office space



15 000 m² workshop :

- Length : 140 m
- Height : 16 m

Annual production capacity :

- 120,000 hrs

Ship loading dock :

- Length : 100 m
- Draught : 6,5 m

MACHINERY

- **3-head oxy-fuel plasma cutting machine** – Sheet metal, tubes and bellied end plates
- **Steel roller** – Maximum capacity: 3,000 x 110 mm - Top roll Ø: 760 mm - Side rolls Ø: 660 mm
- **Welding** : PRS, submerged arc welding arm, TIG / MIG welding

HANDLING & TRANSPORTATION EQUIPMENT

- 1 x 60-tonne bridge – 16 m clearance under hook
- 11 additional bridges – 3 to 20 tonnes
- 1 ship loading dock – 100 m long
- 1 door 23 x 20 m
- 1 assembly pit 30 x 24 m





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