



FLENDER
GRAFFENSTADEN

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**WE MOVE
THE WORLD**

FLENDER
GRAFFENSTADEN



In the Strasbourg suburb of Illkirch-Graffenstaden, in France, FLENDER-GRAFFENSTADEN design and manufacture high-speed, high-performance gearboxes for power stations, chemical and petrochemical plants, pipelines, etc...

Our products are based on state-of-the art technology.

The people at FLENDER - GRAFFENSTADEN, proud of their work and their products, are continually striving for excellence.

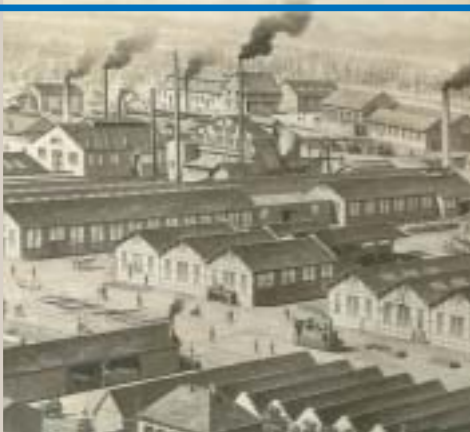
Total customer satisfaction, commitment to the job, constant modernisation of machines and methods, permanent research and development along with total quality management are all of paramount importance.

Striving for excellence



FLENDER **GRAFFENSTADEN**

From 1837...



You have to go back to the 19th century to find the roots of FLENDER-GRAFFENSTADEN.

In 1837, the company "Etablissement de Construction Mécanique de Strasbourg" was founded.

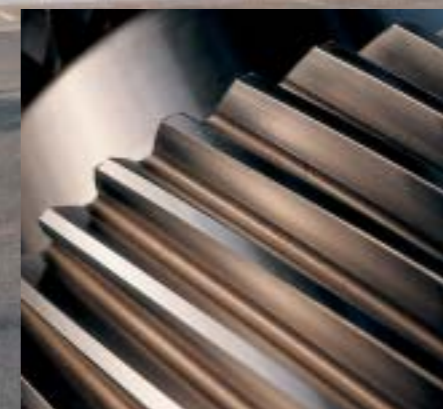
Its extensive range of products included steam locomotives, machine tools, weighing machines to mention but a few.

In 1945, the gear department was started and it has grown steadily ever since.

...to the 3rd millennium



FLENDER GRAFFENSTADEN



Today, as in the past, FLENDER-GRAFFENSTADEN are at the leading edge of gear technology and they make use of the very latest design, production and management tools available.

The hallmark of expertise

Load gearboxes

Horizontally or vertically offset for heavy duty or aeroderivative gas turbines and cogeneration for generator sets.

Accessory gearboxes

For starting and driving auxiliaries such as compressors, oil or fuel pumps, etc...

High performance gear units

TX series for the following applications :

- steam or gas turbines / generators
- steam or gas turbines / centrifugal compressors or pumps
- electric motors / centrifugal compressors or pumps

TX / TSD series used for integrally geared compressors,

- electric motors / centrifugal compressors
- steam turbines / generators

Epicyclic gear units

For gas or steam turbine / generator, compressor drives, water and wind turbines, main circulating water pumps, cement works and "High speed ships"

Special applications

- Test benches
- Double reduction units

Couplings

For high speed applications (gear or diaphragm type)

Miscellaneous

- gearing for railways
- subcontracting
- heat treatment (carburising)

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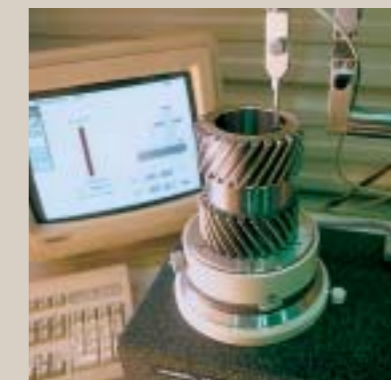


Team work...

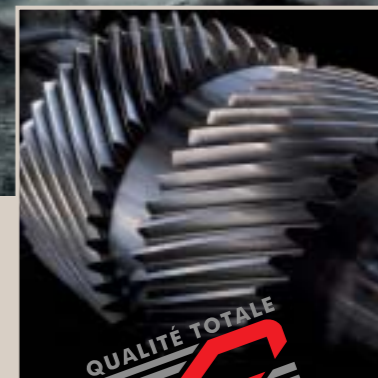


Being both flexible and able to react quickly, FLENDER-GRAFFENSTADEN focus all their attention on their human resources and high-performance equipment.

Continuous and intensive staff training courses are combined with continual updating of the computerised equipment used for manufacturing control, test and management purposes.



...efficient equipment



Day after day, year in, year out, FLENDER-GRAFFENSTADEN gearboxes run non-stop in order to meet the customers' requirements.

The harsher the operating conditions, the more they show just how reliable and efficient they are.

Fields of application :

- steam / gas / water / nuclear power plants
- waterworks
- oil / gas refineries
- petrochemical plants



Transmitting power

FLENDER GRAFFENSTADEN



With you throughout the world...



FLENDER-GRAFFENSTADEN achieve almost 90% of their turnover from exports.

Well organised logistics and highly specialised staff using sophisticated tools on the one hand, and a team which is continuously tuned into its customers in order to anticipate and fulfil their needs and expectations on the other hand : this is what makes FLENDER-GRAFFENSTADEN a reliable partner for world-wide business.

Spare parts

Efficient spare parts management ensures that original FLENDER-GRAFFENSTADEN spares are delivered on time to customers around the world.



Expert evaluation

Our daily contact with state-of-the-art technology along with many years' experience enables us to carry out expert evaluations of gear units already in operation and provide assistance to cope with technical matters.



Refurbishing

Bringing used gear units into line with the latest technology ensures enhanced efficiency, higher power ratings and extended lifetime. These modifications lead to considerable savings for the end user.



Repair support

With many years' experience, the customer support team can provide the right solutions when it comes to emergency repairs, scheduled servicing or preventive maintenance.

...service and maintenance included

They trust us...



ADNOC
Air Liquide
Akzo Nobel
Alstom Power Baden
Alstom Power Brno
Alstom Power France
Alstom Power Sweden
Alstom Power Türbinen
Aman
Ansaldo Energia
Antar
Atlas Copco Energas
Atochem
Babcock Borsig Power
Bharat Heavy Electricals Limited
Blohm & Voss
BP/AMOCO/ARCO/Castrol
BPDB
Bréguet
British Oxygen
C.E.M.
C.G.E. Massy
C.N.I.M.



Carrier
Cegelec
Chevron/Texaco/Caltex
Coco
DB Pompes Guinard
Demag Deleval Turbomachinery
Dow Chemical
Dresser Rand
DU Pont De Nemours
E.D.F.
ExxonMobil/Esso
EZH
Falk
Fiat Avio
Fincantieri
Fives-Cail-Babcock
FKI/Brush/HMA
Flowserve
Foster-Wheeler
Franco Tosi Meccanica
GE Aero Energy Products
GE Energy Products Europe
GE Norway



GE Nuovo Pignone
GE Power Systems
GE Services
GE Thermodyn
Gemco International
Hangzhou Steam Turbines Co
Heurtey
Hispano Suiza
Hitachi
Howden Sirocco
I.H.I.
Jeumont Industrie
Krebs
LG Cable
Linde
Machino-Import
MAN GHH Borsig
Mannesmann Demag
Maxus
Metalexport
Mitsubishi Heavy Industries
Mitsui Engineering & Shipbuilding Co.
Nanjing Turbine & Electric Machinery Co.



Naphtachimie
Neu
Neyrpic Minihydro
Onera
Peebles
Pemex
Petroleum Development Oman
Petronas
Pln
Posco
Powertek
Rhône Poulenc
Rolls-Royce
Romchim
S.N.C.F.
S.N.R.
Samsung Aerospace
Shell
Shenzhen Nanguang Power Co.
Siemens-Westinghouse
Sinopec
Snamprogetti
Snecma



Socea
Sofregaz
Soget
Sollac
Solvay
Sonatrach
Sulzer de Pretto
Sulzer Pumps
Sulzer Turbo
TEC International
Technip
Termomeccanica
TNB Generation
Toshiba
TotalFinaElf
Turbomeca
Urenco Nederland
Usinor
Wapda
Weir Pumps
Worthington
York



QUALITY
made by

FLENDER
GRAFFENSTADEN

Our future depends on strong partnerships being established with our customers, thus enabling us to provide an even better service and the highest quality at the lowest cost.