



SERVICES

DE MALZINE
REFERENCE

DE MALZINE



CMI DE MALZINE- 1 avenue Greiner B-4100 SERAING



Business area

DE MALZINE is the specialist of industrial gears and special gearboxes :

- **Design and manufacture of special purpose gearboxes**
- **Manufacture of industrial pinion and wheel**
- **Refurbishment and modernization of all types of gearboxes**
- **Technical assistance and expertise offered with on site visits**
- **Preventative and curative maintenance on site**
- **Global contracts of refurbishment and improvement of gearboxes**





Presentation

CMI Group is divided into 4 Sectors that match 4 specialized markets:

CMI Energy

CMI Defence

CMI Industry

CMI Services

- **2014 orders entry distribution per activity : 1.440 m€**

CMI Energy : 302 EUR Mios

CMI Defence : 663 EUR Mios

CMI Industry : 241 EUR Mios

CMI Services : 234 EUR Mios

- **CMI Services De MALZINE has more than 110 years experience in the fields of gears and speed reducers**



DE MALZINE is involved in the

- **Design and manufacturer of special purpose gearboxes**
- **Manufacture of industrial gears**
- **Refurbishment and modernization upgrades of gearboxes**
- **On site technical assistance**
- **Maintenance contracts**



1. Design and manufacture of special purpose gearboxes

Objectives :

From design conception and manufacture of gearboxes to exactly meet customer's requirements in respect of quality criteria with regard to ISO rules



Main gearbox for a
cement ball mill



Main gearbox for a
cement ball crusher



2.1. Manufacture of industrial gears





2.2. Manufacture of industrial gears

Wide and varied range of cutting machines

- **External cutting: Ø max 8200 mm – face width max 1750 mm**
- **Internal cutting: Ø max 6000 mm – face width max 350 mm**
- **Cutting by hob: maximum module 40**
- **Cutting by form tool: maximum module 75**
- **Spiral bevel cutting "Gleason": Ø max 1650 mm – maximum module 25,4**
- **Straight bevel cutting: Ø max 4700 mm**
- **"Sunderland" cutting**
- **Grinding of spur teeth, helical teeth and worm gear pairs**



3. Refurbishment, modernisation and upgrades of gears and gearboxes

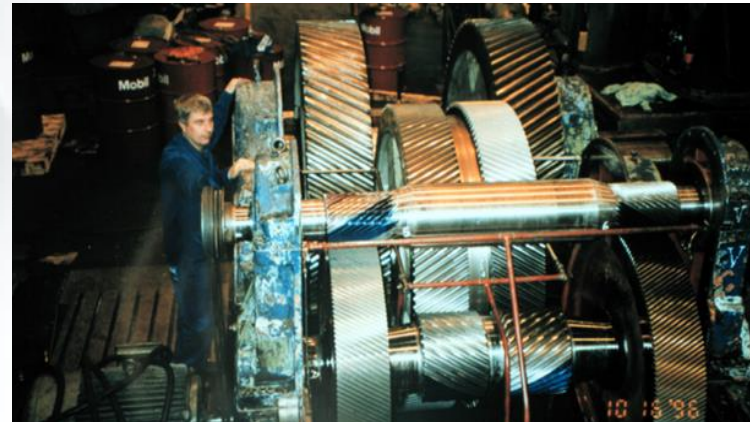
A wealth of experience in redesigning all kinds of industrial gearboxes



Objectives : Collect original gearbox from site and take existing dimensions then modernise using the latest technology (improve design, component materials and bearing etc...)



Refurbishment of gearbox
for coal crusher



Modernization of a gearbox
for cement kiln



4. Technical assistance on site

- **Vibration analysis**
- **Technical survey of gear damage**
- **Technical assistance**
- **Geometrical check**
- **Measurement reports**



5. Maintenance contracts

Annual contract for preventative and curative maintenance

- Tarkett GDL (Luxembourg)
- C.B.R. (Belgium)
- Industeel (Belgium)
- Ascometal (France)
- Lift of boats at Strepv-Thieu (Belgium)





Advantages

- **Our wide and varied range of cutting machines are among the biggest in Europe**
- **ISO 9001:2008-compliant design and manufacturing**
- **Additional services: on-site technical assistance, maintenance contract, modernization and upgrades of all kinds of gearboxes.**



References



Democratic Republic of Congo



Austria



Saudi Arabia



Belgium



Belgium



Belgium, France, Morocco, Lebanon



Democratic Republic of Congo



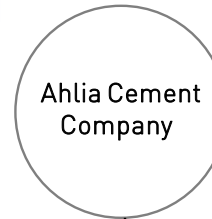
France



France



Iraq



Libya



South Africa, UK



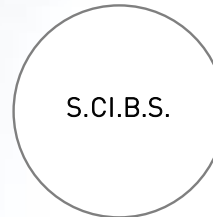
USA



Iraq



Algeria



Algeria



France



Belgium



External and internal girth gears





Straight bevel gears





Pinion shaft gears



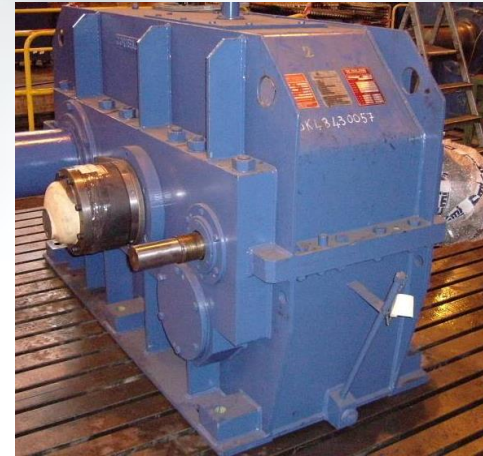


DE MALZINE gearboxes





Revamping of all gearboxes





Revamping of all gearboxes





Miscellaneous





Contacts

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