



Cars, trucks and special vehicles

The Loire: a top region for the automotive industry



Key figures

500 companies
12,000 jobs

Fields of excellence

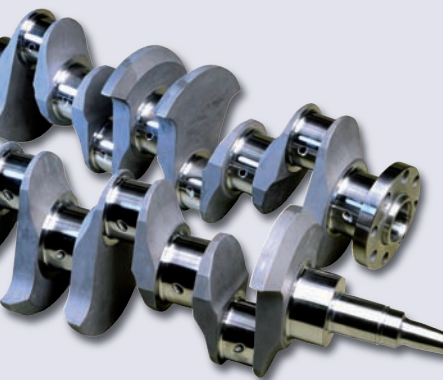
- Engineering
- Production of components (*gears, crankshafts, axles,...*)
- Production of sub-assemblies (*gear boxes, axles, seats, ...*)
- Vehicle assembly (*military vehicles, lifting, civil engineering, special vehicles, trailers,...*)

Sectors of activity

- Chassis and suspension
- Bodywork and interiors
- Engine, transmission and steering
- Vehicle assembly
- Engineering and production equipment
- Special vehicles

BUSINESS LEADERS

Barriol et Dallièrè
Flexitech
Michelin
SEAC
ZF Lemförder Mécacentre
Becker industries
Grupo Antolin
Samuel Roche
Axletech
Capricorn
Dura France
Halberg
JTEKT
ThyssenKrupp Mavilor
Tresses Forissier
ZF Bouthéon
Gimaex
Haulotte Group
Manitowoc
Nexter Systems
Panhard General Defense
Samro Trouillet
Idestyle
PCI SCEMM (groupe PSA)
Setforge
Beru



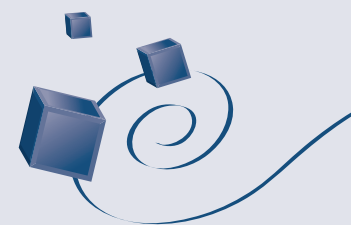
Jean-Michel INSALACO

General manager of ThyssenKrupp Mavilor

"ThyssenKrupp Mavilor, which is based at L'Horme, employs 360 people in machining crankshafts for diesel engines ready for assembly, for trucks and a variety of applications (marine and industrial engines, standby generators, etc ...). With a reputation for technique and quality that goes back a long way, it exports nearly all that it produces, totalling 120,000 crankshafts per year, to

markets in Europe and North America. Having been strongly associated with the region's history over the years, ThyssenKrupp Mavilor has the advantage of specific assets in the locality: firstly, a workforce which is highly-qualified within the field of engineering, supported on a daily basis by training organisations (engineering schools, university technology institutes, secondary

schools, ...), secondly a sub-contracting network which is plentiful and very effective, with a strong engineering culture, providing industrial know-how and the flexibility of various small business, as well as skills provided by engineering departments to assist with getting new machines and new products off the ground, by providing surveys and scheduling...."



Training and research :

- 7 engineering schools
- École Nationale Supérieure des Mines de Saint-Etienne (ENSMSE)
- École Nationale d'Ingénieurs de Saint-Etienne (ENISE)
- Conservatoire National des Arts et Métiers (CNAM)
- Institut Supérieur des Techniques Productiques (ISTP)
- Institut des Sciences et Techniques de l'Ingénieur de Lyon (ISTIL Roanne)
- Institut Textile et Chimique (ITECH)
- TELECOM Saint-Etienne

Applied research and technology transfer

The CETIM: The Centre Technique des Industries Mécaniques de Saint-Etienne is one of France's 3 such centres. It provides companies with technical services (tests, appraisals, expertise,) training courses, information, ... and is the driving force behind INGRID technological platforms.

H.E.F. Groupe: Groupe HEF (Hydromécanique et Frottement) is one of the world's leading specialists in solving problems involving friction, wear and corrosion using suitable surface treatments.

The ARDI (pôle productive Rhône-Alpes) in Saint-Etienne and Roanne, is the perfect tool for solving production-related questions and, more broadly speaking, for improving production.

Network

- CAR LOIRE
- Lyon Urban Trucks & Bus
- Rhône-Alpes Automotive Cluster
- ViaMéca
- Mécaloire

Useful links

- www.lutb.fr (Lyon Urban Trucks & Bus)
- www.viameca.fr
- www.rhone-alpes.cci.fr (Rhône-Alpes Automotive Cluster)
- www.plastipolis.fr
- www.expansion42.com
- www.mecaloire.fr

MAIN ACTIONS

- Assistance in setting up businesses
- Support is developing common R&D projects
- Car Loire meetings

Dominique HOVART

CAR LOIRE

The CAR Loire (Cercle d'Accueil Régional des équipementiers de la Loire)...brings together 85 companies from all sectors of the car, trucks and special vehicles industries. The Car Loire is an industrial network whose purpose is:

- to bring together companies within the area, by developing contacts and

cooperation,

- to spread the word about the strength, diversity and know-how of the automotive sector in the Loire
- and to welcome and assist manufacturers, in collaboration with unions and professional groups.

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