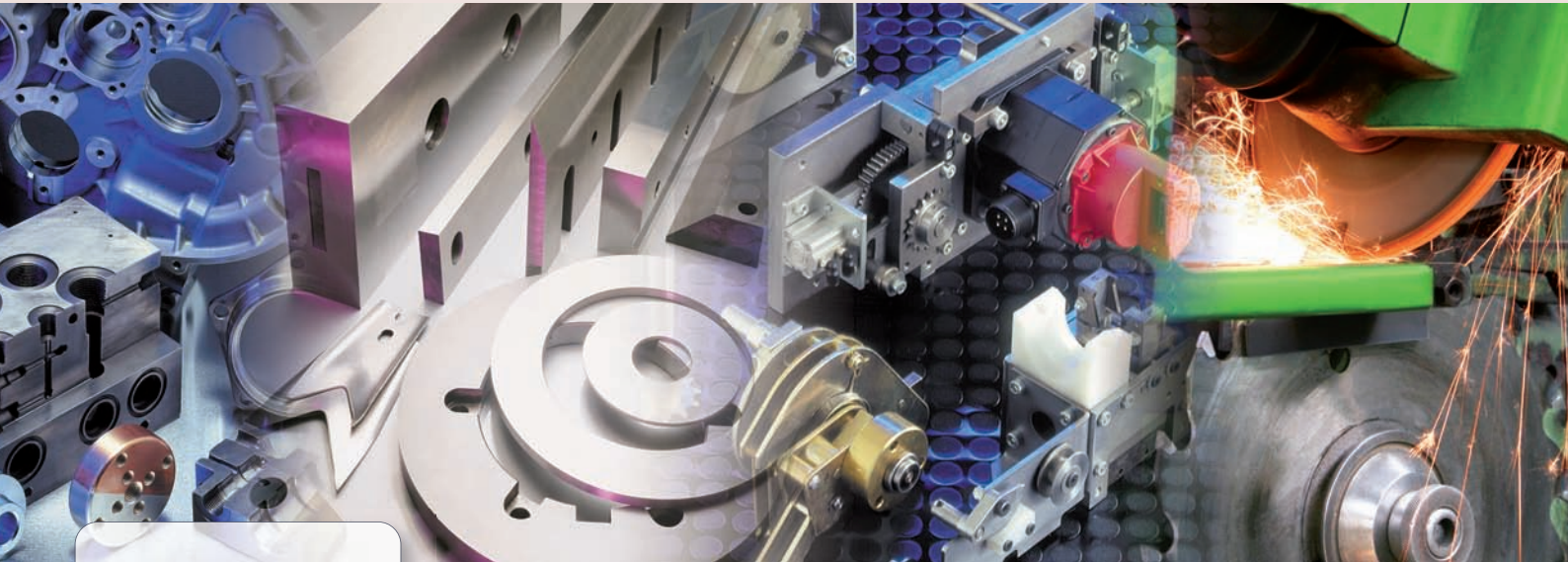




Engineering and industrial creation

At the heart of engineering and innovation mechanic



Key figures

1 030 companies

23 500 jobs

10 laboratories/research centres

Activity sectors

- Automobile and mobile equipment
- Aeronautics
- Capital goods & machine tools
- Medical and optics
- Agribusiness
- Energy

Fields of excellence

- Materials and structures
- Industrial design – engineering mechanical systems
- Forging
- Advanced manufacturing processes
- Surface engineering
- Equipment
- Precision engineering (*grinding and high-speed machining*)

BUSINESSES INVOLVED

André Laurent SA
 Ascométal
 Aubert & Duval
 ThyssenKrupp Mavilor
 Cleextral
 Feursmétal
 Haulotte Group
 HEF
 Arcelor
 Nexter Systems
 Manitowoc
 Praxair Surface
 Technologies
 Sam Outillage
 Thales Angénieux
 ZF Bouthéon

Alexandre SAUBOT

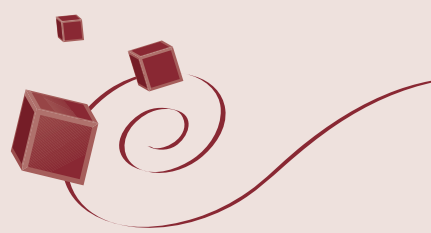
CIO of Haulotte Group

"Haulotte Group has continued to grow both in terms of turnover and profit. EBIT for the 2007 financial year was up 20% and net profit (Group share) was up 17.5% to 71 million Euros. Although the global market is less buoyant for 2008, the Group is further expanding its product range with the 28 metre telescopic boom

lift, with its telescopic jib, which was presented as a world first at the beginning of the year. Haulotte Group also continued its policy of adapting its production capacities so as to be more flexible and geographically closer to end customers, and these capacities will have increased by over 50% by 2009.

Built as it is on solid foundations, the Group is devoting itself on a daily basis to consolidation with its partners, its shareholders and its service providers, for and with the support of its colleagues from all over the world, so as constantly to be in a position to improve its response to customer needs".





Further education and Research

Around 1000 researchers divided among further education networks and research applied to industrial requirements in companies

5 engineering schools and 10 laboratories

- 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 Productives (ISTP)
- Université Jean Monnet (UJM)

Applied research and technology transfer

The CETIM : The Centre Technique des Industries Mécaniques de St-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

The HEF Group (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 (Regional Agency for Development and Innovation) in Saint-Etienne and Roanne, is the perfect tool for solving production-related questions and, more broadly speaking, for improving production

The network

ViaMeca :

Innovation cluster wholly dedicated to mechanics. Technology cluster, resources cluster. A field of expertise ranging from designing a mechanical product to recycling it, via manufacture and maintenance.

Mécaloire has responsibility for driving the entire mechanical industry of the Loire region.

Useful links

- www.viameca.fr
- www.mecaloire.com
- www.pole-medical.com
- www.pole-ora.com
- www.expansion42.com

MAIN ACTIONS

- Establishing industry clusters to meet the requirements of contractors
- Putting together R&D projects involving collaboration
- Mécanetwork 2008
- Manufacture 2008

Philippe RASCLE

Mécaloire

Mécaloire brings together all companies involved in the transformation of metal in the Loire region.

A network of multiple skills (1500 small/medium businesses), its main

objectives are to provide participants with information about their markets, products and region, to connect companies and gather them in joint actions, and to spread the word about their know-how.

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