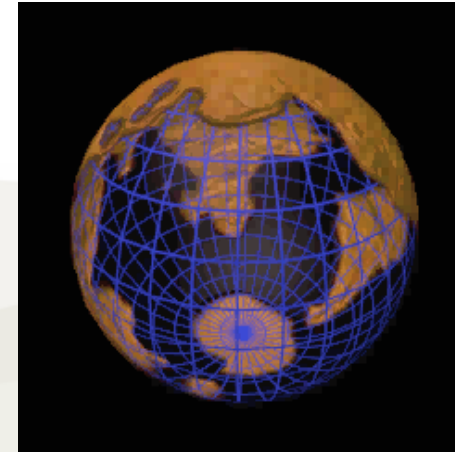




Welcome to
MLPC International



Discover MLPC International

- Subsidiary of Arkema, MLPC International has developed over nearly 60 years its expertise in the chemistry of CS₂ (carbon sulfur), cyanogen chloride (CNCl) and amines.
- MLPC International is a worldwide leader or co-leader in the production and sales of additives for the rubber industry (thioureas, guanidines and rubber chemical masterbatches) and fine chemicals intermediates such as carbazides and isothiocyanates.
- The turnover of MLPC International is approximately 50 millions euros. More than 85 % of the sales are made outside France. Europe (excluding France) is about 50 %, Americas 15 % and Asia 10 %.
- Certified to ISO 9002 since 1995 and ISO 9001 : 2000 Certification since 2001.

Discover MLPC International

MLPC International is located in France, in the southwest, near by Bordeaux.

MLPC supplies various curing agents either in powder form or in Mixland form (pellets or slabs).



MLPC is a world leader for predispersed curing agents (Mixland+)

Discover MLPC International

- MLPC International employs more than 230 persons working in 2 production plants :
Rion des Landes and Lesgor.



Rion des Landes plant



Lesgor plant



Our history

1926

Creation of the "Société Landaise de Produits Chimiques" producing wood derivatives (charcoal, tar and pyroligneous) from the raw material of the region : pine trees.

1939

Creation of a joint stock company : "Manufacture Landaise de Produits Chimiques"

1944

First listing of MLPC share on the Paris Stock Exchange

1945

Development of the production of paints from light oils then rosin oils

1949

Beginning of the chemical activity (synthetic products for the rubber industry)

1955

Construction of a new plant in Lesgor

1966

Stopped the carbonisation activities and concurrently launched of new rubber chemicals (thioureas)

1989

Elf Atochem becomes the main shareholder of MLPC (67,2 %)

1995

Purchase of the carbazides business from Degussa

1998

The company's name is changed into MLPC International

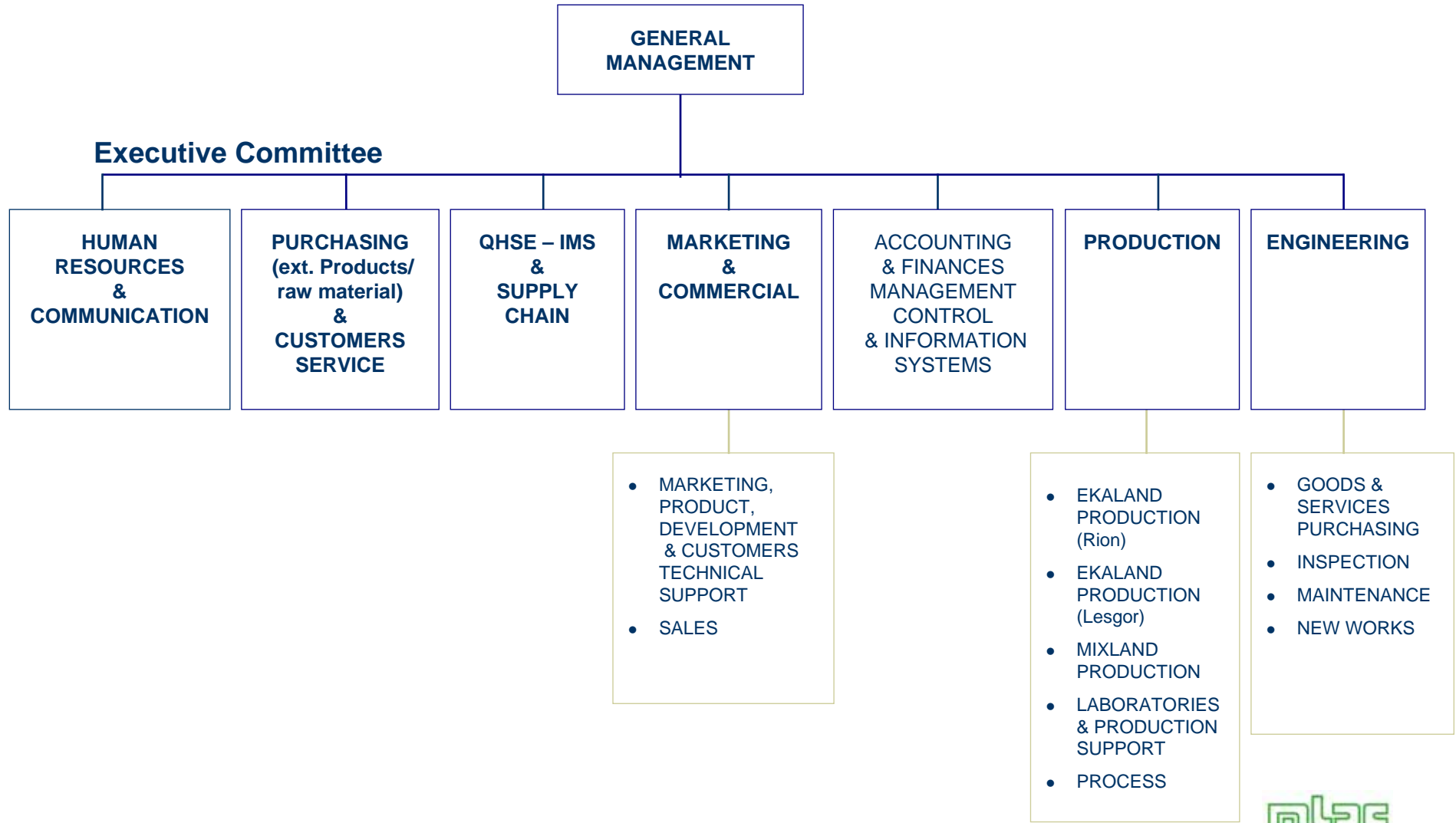
2000

Start-up of the unique masterbatch plant

2005

MLPC International becomes a 100 % subsidiary of Arkema group (previously Elf Atochem then Atofina)

General Organisation



Worldwide Sales

Distribution network

Australia
SAFIC PACIFIC, Hamilton

Argentina
VETEK, Buenos Aires

Belgium
SAFIC ALCAN Benelux, Londerzeel

Bosnia, Macedonia, Serbia
GALABERN DOO, Beograd

Brazil
PARABOR, Sao Paulo

Canada
SOVEREIGN CHEM Co, Akron

China
ARKEMA, Shanghai

Colombia
NOVACHEM SA, Bogota

Croatia, Slovenia
ORGANOCHEM DOO, Zagreb

Czech Republic
SAFIC-ALCAN sro, Brno

France
SAFIC-ALCAN France, Puteaux

Germany
SAFIC-ALCAN GmbH, Bad Kreuznach

Hungary
SAFIC-ALCAN sro, Brno

India
WEST COAST POLYCHEM, Mumbai

Indonesia
ARKEMA, Taiwan

Italy
SAFIC-ALCAN ITALIA, Carbagnate

Japan
ARKEMA KK, Tokyo

Luxemburg
SAFIC-ALCAN BV. Londerzeel

Mexico
SOVEREIGN CHEM CO, Akron

Netherlands
SAFIC ALCAN Benelux, Londerzeel

Malaysia
ARKEMA, Taiwan

Poland
SAFIC-ALCAN, Polska, Warszawa

Portugal
MARIO COELHO, Porto

Russia
CERAMEX, Yaroslav

Singapore
ARKEMA, Singapore

Slovakia
SAFIC-ALCAN sro Brno

South Africa
KARBOCHEM, Bruma

South Korea
ARKEMA Korea, Séoul

Spain
VIGAR, Barcelona

Sri Lanka
CSI INTERNATIONAL LANKA Ltd, Colombo

Sweden - Finland - Norway - Denmark
SAFIC-ALCAN Nordica AB, Kungsbacka

Taiwan - Vietnam
ARKEMA, Taiwan

Thailand
ARKEMA, Taiwan

Turkey
ERAL LASTIK, Istanbul

United Kingdom
HUBRON Speciality Ltd, Manchester

USA
SOVEREIGN CHEMICAL COMPANY, Akron

Venezuela
ORICHEM, Caracas

Fields of activity

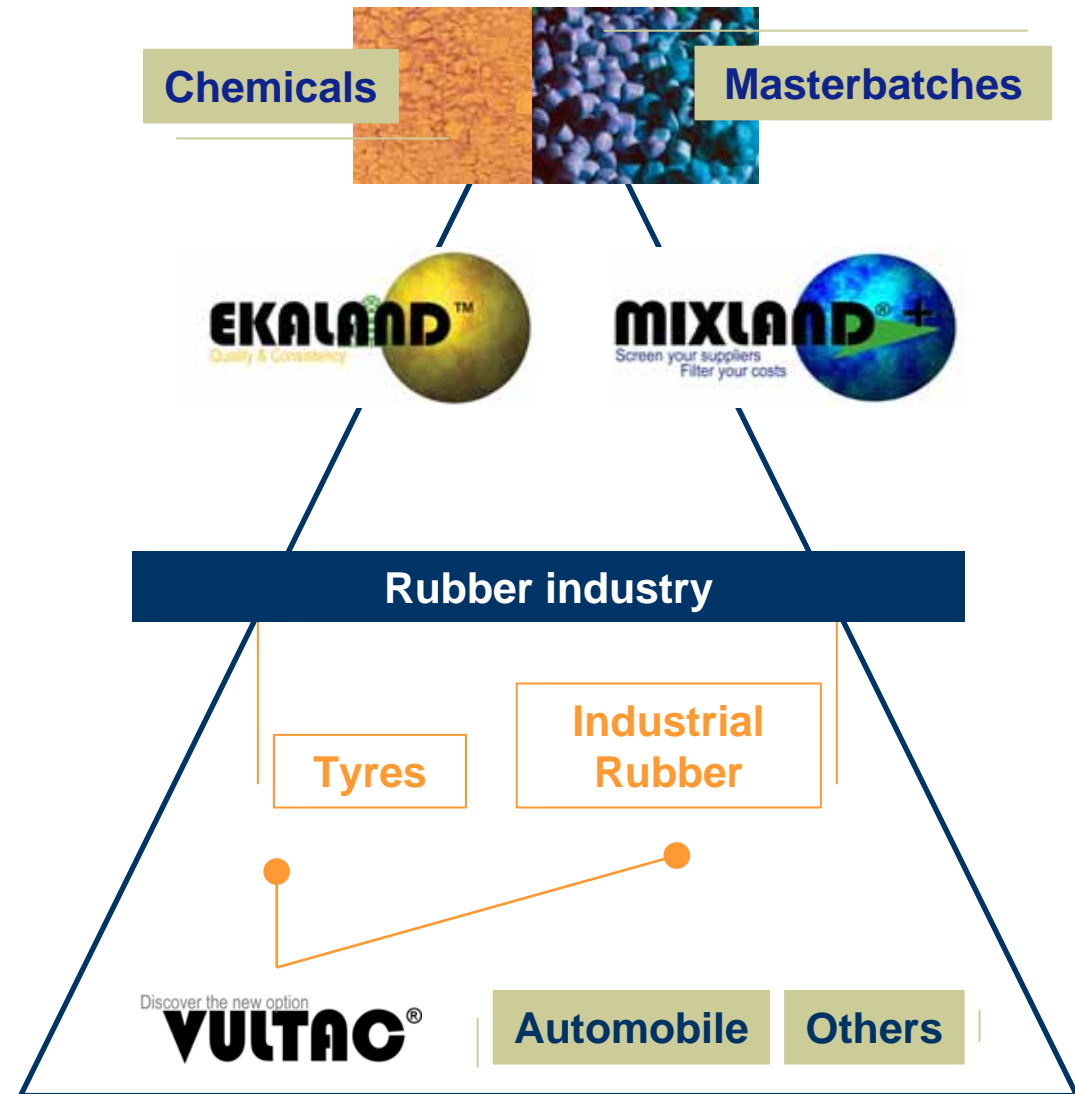
Applications

Fine chemicals:

- agrochemicals
- intermediates for pharmaceuticals
- adhesives
- others

Rubber industry:

- tyres
- industrial rubber



Chemicals



Fine chemistry

Since 1979, MLPC International has developed a series fine chemicals taking advantage of its chemistry and expertise.

The fine chemicals activity benefits from the synergy with the H₂S chemistry of Arkema and the support of its Research Center of Lacq (GRL).

- **CARBAZIDES, ISOTHIOCYANATES**
Agrochemicals, pharmaceuticals, wood preservation
- **DITHIOCARBAMATES**
Acrylic acid (stabilizing)
- **THIOUREAS**
Metal surface treatment
- **PHENOLICS**
Rubber to metal bonding agents, waters treatment

Chemicals

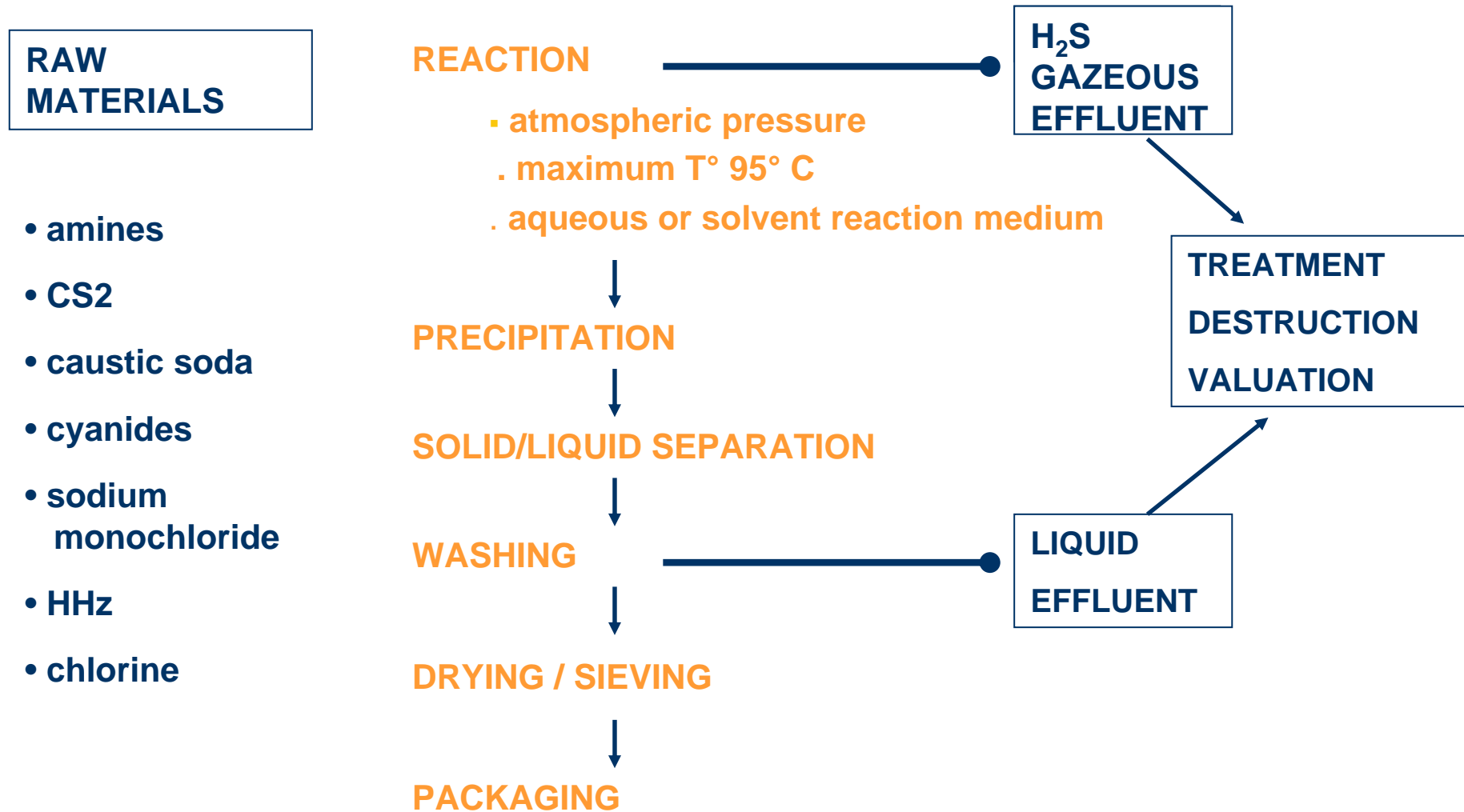
Rubber industry



- **SPECIALITY ACCELERATORS**
 - Guanidines
 - Thioureas
 - Dithiocarbamates
 - Thiurams

- **SULFUR DONOR**
 - DTDM
 - TBzTD

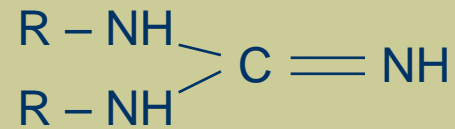
Chemicals: Typical Production Process



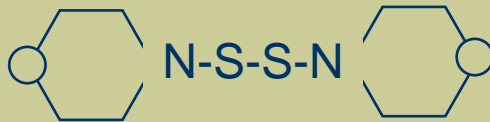
Our chemistry

Rion des Landes plant

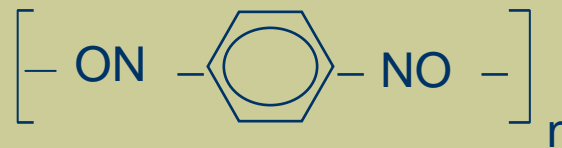
GUANIDINES (DPG, DOTG)



DITHIODIMORPHOLINE (DTDM)



PHENOLIC DERIVATIVES (PPDN, PARA BQD, PNP)



Our chemistry

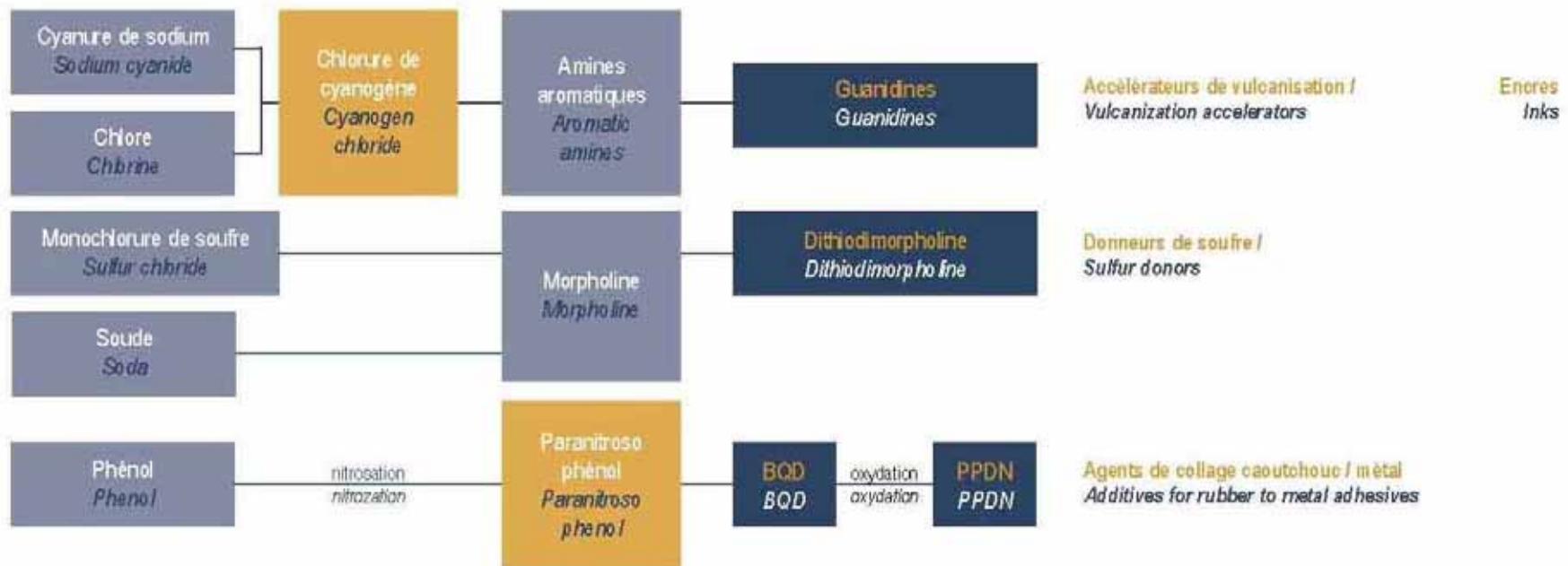
Rion des Landes plant

MATIÈRES PREMIÈRES & INTERMÉDIAIRES
RAW MATERIALS & INTERMEDIATES

PRODUITS FINIS
MANUFACTURED PRODUCTS

APPLICATIONS CAOUTCHOUC
RUBBER APPLICATIONS

AUTRES
OTHERS



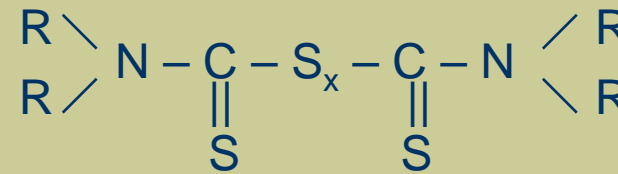
Our chemistry

Lesgor plant

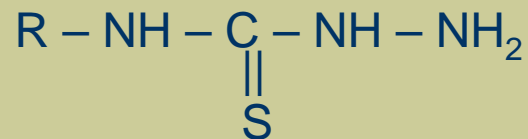
THIOUREAS



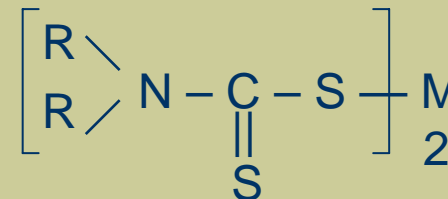
THIURAMS



CARBAZIDES



DITHIOCARBAMATES



Polymerbound Rubber Chemicals

Rubber industry



- **POLYMERBOUND RUBBER CHEMICALS MASTERBATCHES**

- Wide range of products
- High concentration of active material
- Different filtrations possible
- Presentation in granules or slabs

- **PRODUCTION**

- Rion des Landes plant
- Tolling partnerships

- **ADVANTAGES**

- Dust-free, easy handling
- Lower usage of active material
- Increased mixing speed
- Lower scrap

MLPC Vision

MLPC International is actively engaged in a voluntary approach, based on dialog, with the aim to ensure its expansion and sustainability.

This dynamic of progress aims at:

- Preventing accidents involving our employees, sub-contractors and the environment;
- Managing major risks potentially capable to impact the community in which we operate and where we want to continue to be welcome;
- Satisfying our customers, current and future;
- Motivating and engaging our employees without whom MLPC International cannot achieve its objectives.

This dynamic must translate into practical goals to enable us to resolutely tend towards Excellence in our practices.

Quality Health Safety Environment

Our commitments

MLPC International aims to be an innovative player in the global chemical industry, exemplary in terms of safety and sustainable development

- by promoting customers partnerships and working closely with the aim to offer innovative products and services;
- by pursuing its policy of ongoing improvement in health, safety and environmental protection based on its Integrated Management System;
- by educating, training and involving all concerned, both MLPC International employees and subcontracted personnel, striving therefore for excellence in safety issues;
- by encouraging a community-based dialog to heed the legitimate expectations of stakeholders and in particular residents living in the vicinity of its facilities.

Quality Health Safety Environment

from Quality management to an integrated management system of QHSE

- 1992** Implementation of a **Management System for Quality**
- 1995** **First ISO 9002 Certification**
- 1998** **Renewal of ISO 9002 Certification**
- 2000** Development and implementation of an **Integrated Management System (IMS) for Quality, Health, Safety and Environment ; ISO 9002 Certification**
- 2001** Integration of the "**Seveso II**" -requirements for safety to prevent major accidents ; **first ISO 9001 : 2000 Certification**
- 2004+2008** **Renewals of the ISO 9001**

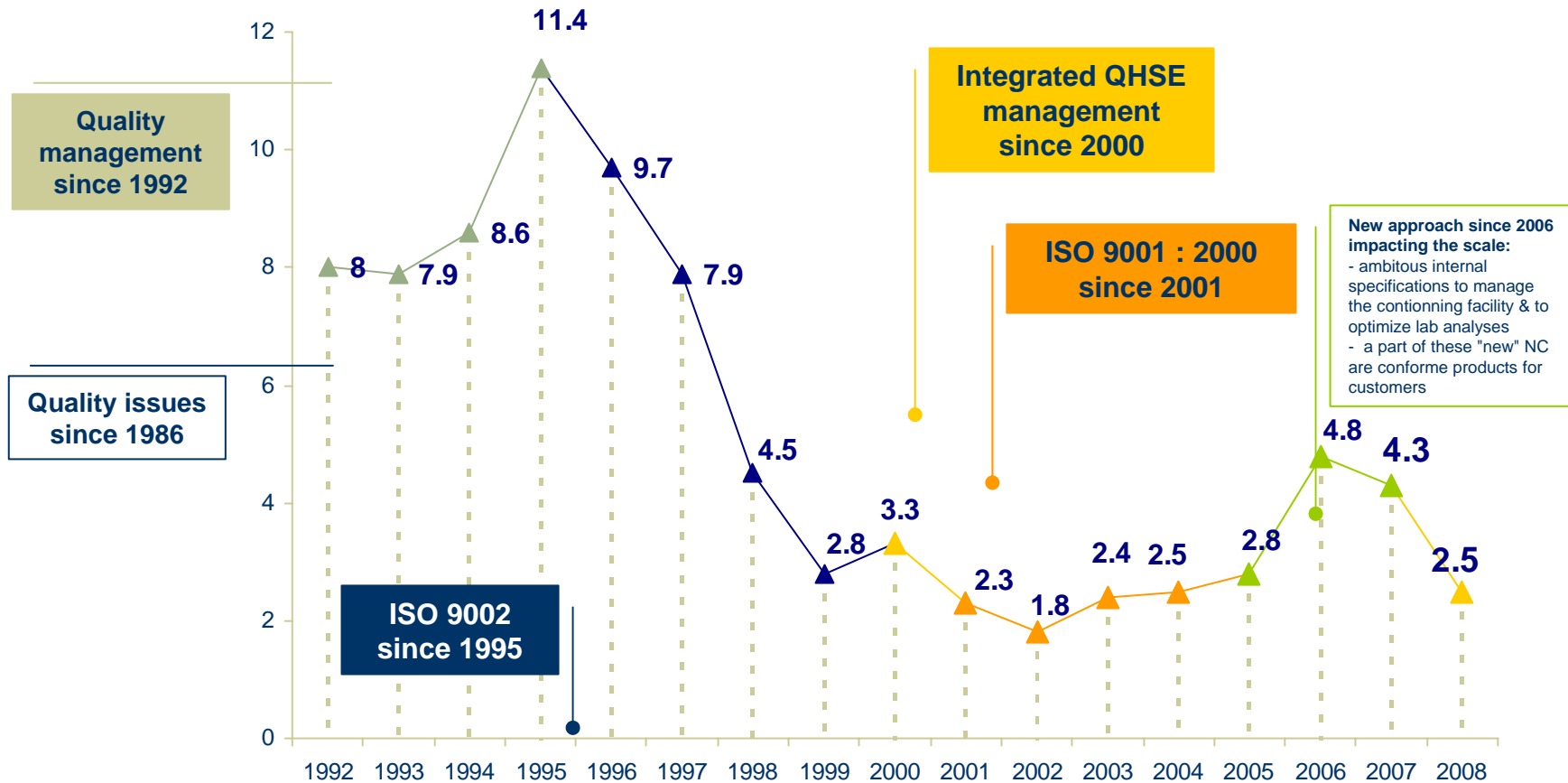
- since** Integration of **financial safety requirements** in line with the IMS

- tomorrow** Integration of those requirements which are important for the **sustainable development of business !**

Quality Health Safety Environment

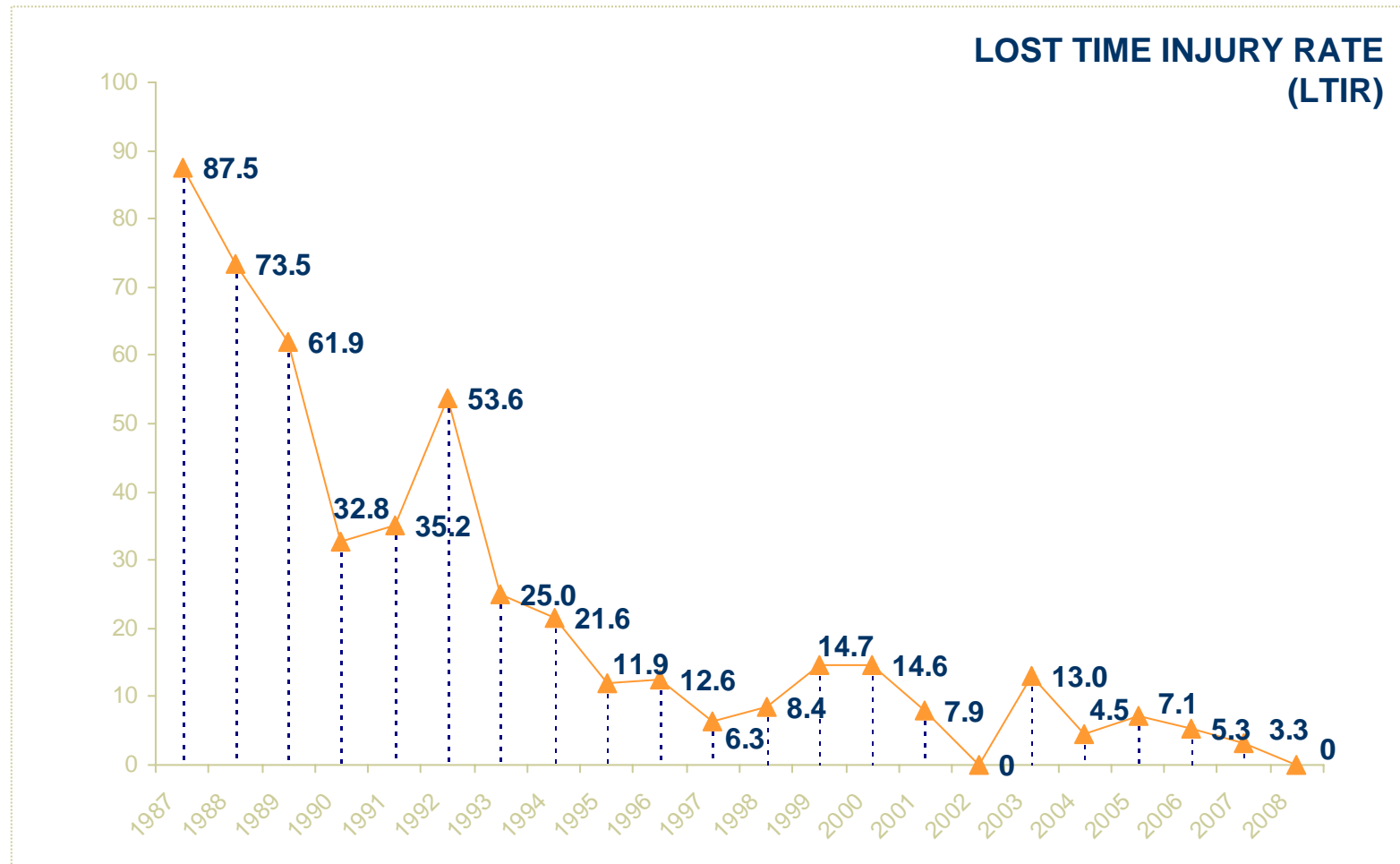
Quality performance

RATE OF NON-CONFORME PRODUCTS (physico-chemical specifications)



Quality Health Safety Environment

Safety performance



Quality Health Safety Environment

Environmental performance

