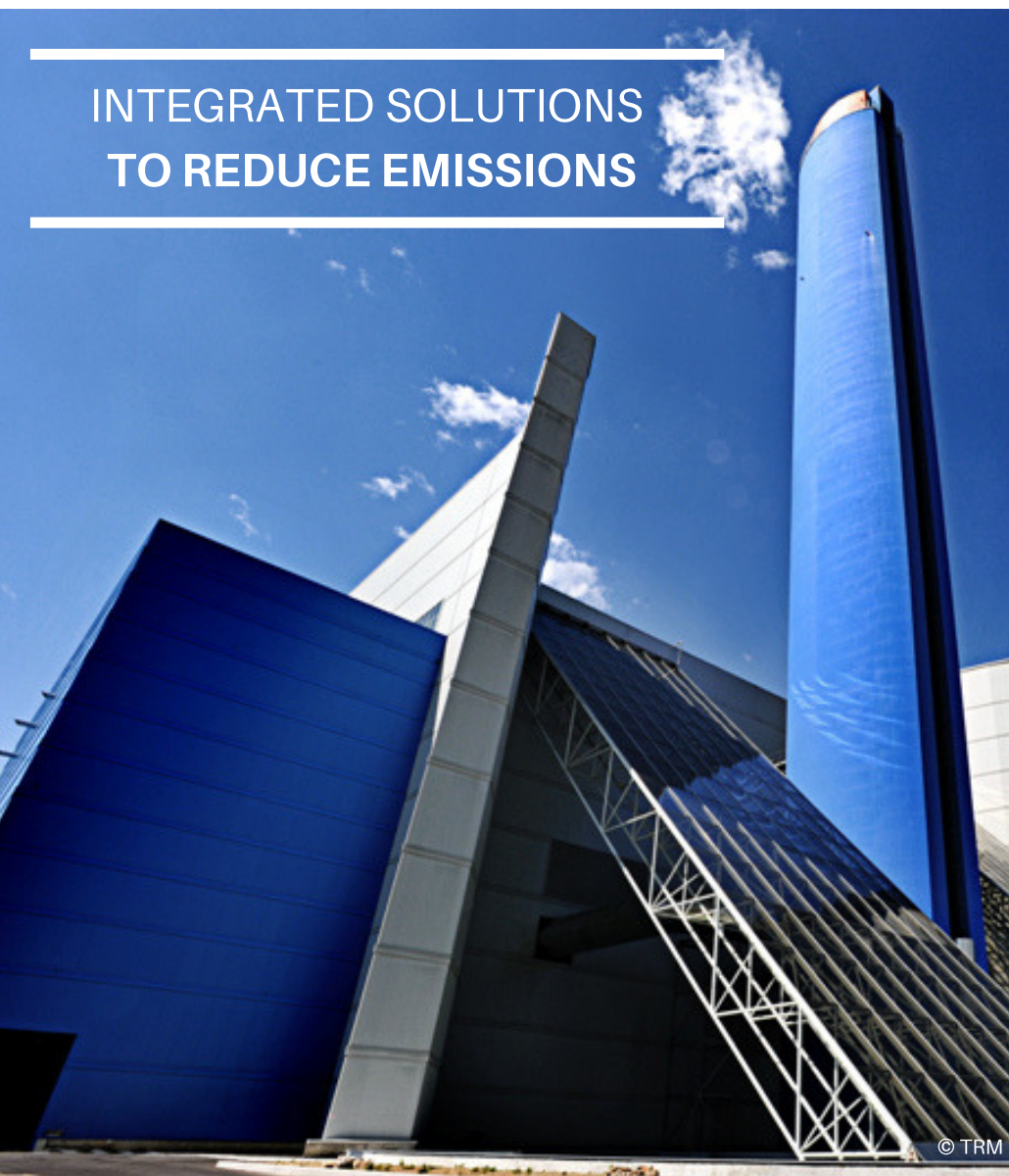


## INTEGRATED SOLUTIONS TO REDUCE EMISSIONS







## PLANTS

# FLUE GAS TREATMENT



Combustion of any kind of fuel (waste, biomass, sludge,...) releases flue gases, that need to be cleaned before discharge to the atmosphere to fulfill the current and coming regulations (as the BREFs & BATAELs).

LAB portfolio includes the full available Flue Gas Cleaning processes that can be installed individually or combined :

- Dry, Semi-dry, Wet for removal of dust, acid gases (HCl, SO<sub>2</sub>, HF), mercury, heavy metals and dioxins/furans.
- SCR catalyst system for NO<sub>x</sub> and dioxins/furans removal.
- Flue gas condensation with possibility of combination to Combustion Air Humidification, for Heat Recovery and to increase plant efficiency.

LAB has many references in the following fields of application :

- Waste-to-Energy (or Energy-from-Waste)
- Biomass-to-Energy
- Sewage Sludge Incineration
- Hazardous, special and hospital waste
- Power Plants and coal fired boilers
- Petroleum industry



**MARINE INDUSTRY**

# EXHAUST GAS CLEANING

## *DeSOx Scrubber System*

Marine scrubber technologies comply with the current and upcoming SECA zones global SOx limits. Open loop, closed loop, hybrid systems are proposed for in-line or off-line arrangements depending on the needs.

Numerous references for cruising and containers ships lead LAB as a major player on DeSOx market with potential complementary implementation of DeNOx solutions.

In addition to metallic scrubbers, LAB portfolio includes a GRP (high quality plastic) solution offering better corrosion resistance, shorter delivery time and less weight and footprint.

## *DeNOx Solutions*

Tailor made deNOx solutions are handled by a LAB dedicated team for Marine and Land-based applications.

In-house catalyst know-how and optimized and compact Marine deNOx design, allows to reach the strictest clean gas emissions in compliance with Tier III regulation.

Land-based deNOx engine applications are suitable for all challenging fuels and comply with NOx, HC, CO and particle regulations.



**DeepBlueLAB™**  
**Exhaust Gas Cleaning**





More than **450**  
references in the world

**200 highly skilled**  
engineers and specialists

**>60 years** of experience

LAB owns **50 patents**

Headquarter in **Lyon** (FR) and  
Offices in **Stuttgart & Coburg** (DE)





We offer the **Best Available Technologies (B.A.T)** and **competitive solutions** that enable our customers to **increase the profitability** of their **thermal plants** while **drastically reducing the environmental impact**

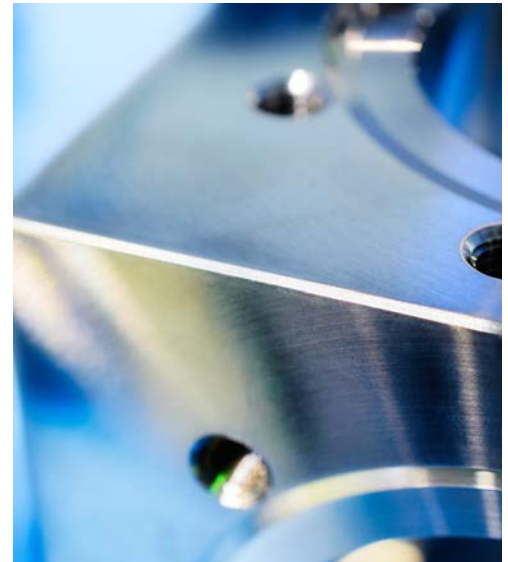
**Exhaust gas cleaning**



**Energy recovery**



**Services and  
spare parts**



ISO 9001



ISO 14001



ISO 45001



LAB is a Business Unit of

**CNIM**

Innovate and Act



CNIM supplies products and services to major public and private sector organizations, local authorities and national governments in the Environment, Energy, Defense, and high technology markets.

**2,613**  
employees

REVENUES

**€689.8**  
millions

of which 62.1% was from exports

CNIM (2018)



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Or follow us : **Linked in**

LAB is an **innovative, enterprising and high-performing** company, **designing and building turnkey** emissions treatment systems

**Lab**