





Our partners can rely on **our unique integrated approach** to build bankable biomass power and CHP projects

Feasibility studies, development and financing, turnkey construction, in-house technologies, operation, maintenance and upgrading services.

ENIM INTEGRATED SOLUTIONS FOR GREENFIELD AND BROWNFIELD BIOMASS & WASTE **TO ENERGY PROJECTS** / 288 biomass power plants and boilers since 1960 / 285 Waste-to-Energy lines since 1965 / 449 Flue-gas treatment systems, since 1977 / 8 Projects developed and sponsored by CNIM / Ongoing O&M contracts for 15 plants **60 YEARS' EXPERIENCE AS EPC CONTRACTOR 45 YEARS' EXPERIENCE A PROVEN** AS O&M **DEVELOPMENT CONTRACTOR** & FINANCING **PARTNER LARGE PORTFOLIO OF IN-HOUSE CERTIFICATIONS** 95 GROUPS ISO 9001, 14001 **TECHNOLOGIES OF PATENTS** AND OHSAS 18001 FOR COMBUSTION, **BOILER AND FLUE GAS** TREATMENT SYSTEMS CNIM FIRE TO

DELIVERED BIOMASS

ACROSS THE WORLD

PLANTS & BOILERS

TO 45 COUNTRIES

CNIM has delivered installations to convert several types of biomass into energy

Saint-Ouen, Paris District Heating Company (France), 1980 & 2017

- / Supply of grate and boiler systems
 / Coal-fired heating plant operating
 since 1980
- In 2017, conversion of combustion system from coal to pellets, reaching full load with pellets



Compagnie Thermique du Moule (Guadeloupe), 1996

/ Supply of grate and boiler systems/ 2 x 146 MWth coal and bagasse fired power plant

MVV Ridham Dock (UK), 2015

- / Turnkey construction
- / 25 MWe waste wood fired power plant
- / Excellent combustion stability and high plant efficiency





KOGEBAN (France), 2014

- / Co-ownership, financing, construction and 20-yr O&M contract
- / 104 MWth **clean wood** power plant
- / Availability of 97.2%, annual planned outage 11 days
- / Very low emissions / Reduced fly ash production

- An innovative system for the thermal treatment of biomass, offering:
- advanced combustion control
- A high efficiency
- I high flexibility in moisture range (30% to 60%)
- extremely low emissions

- minimize ash deposit cost and maximize IBA valorization
- Inew boiler cleaning concept to minimize overall energy losses
- A high annual availability
- ⊿ etc

ENIM

Founded in 1856, CNIM is a French equipment manufacturer and industrial contractor operating on a worldwide basis.

The Group 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. Technological innovation is at the core of the equipment and services designed and manufactured by the Group. They contribute to the production of cleaner and more competitive energy, to limiting the environmental impacts of industrial activities, to making sensitive facilities and infrastructures safer and protecting individuals and nation states.

CNIM is listed on the Euronext exchange in Paris. It relies on a stable family-based majority shareholding structure committed to its development. The Group employs approximately 2,500 staff with strong technological expertise, including 1,500 multidisciplinary engineers. More than half of CNIM revenue is from export and is achieved by the Environment & Energy sector.

For Environment and Renewable Energy activities, CNIM has an exclusive integrated global business offering including all necessary skills all along its value chain: project development, financing, in-house technologies, turnkey design and build, commissioning, operation and maintenance, upgrading services, etc.



www.cnim.com

HEADQUARTERS
35, rue de Bassano
75008 Paris - France
contact@cnim.com