



Energy

The Opting Solution Team is made up of experts in thermodynamics, chemistry and industrial processes. It is equipped to offer innovative environmental solutions specifically tailored to the energy sector.

It carries out mandates to design and supply thermal, cogeneration and combined cycle power plants using bio-fuels, in new facilities across various countries. It also offers optimization and conversion solutions for existing power plants to improve their performance from an energy and financial standpoint.

OUR SOLUTIONS ALLOW:

- A reduction in fuel consumption (up to 40% of conventional grid systems);
- A diversification of available fuels and an increase in the security of supply;
- A reduction of the amount of ash (up to 30% of conventional grid systems);
- A reduction in SO_x/NO_x emissions;
- To establish new sources of income (carbon credit, ash valorization, etc.);
- A reduction in downtime for maintenance;
- An increase in available space due to a more compact footprint;
- The treatment of effluents at a lower cost;
- The optimized energetic revalorization of effluents;

THE TYPES OF MANDATES THAT WE CARRY OUT ARE:

- Biomass thermal and/or power plants turnkey projects;
- Retrofit of hybrid suspension burner with bio-fuel and conventional fuel;
- Optimization and conversion of boiler systems;
- Enhancement of combustion systems;
- Fuel Conditioning and drying of biomass;
- Upgrading or optimizing existing equipment;
- Automation and performance tracking;
- Assistance throughout grant application processes;
- Ash valorization;
- Wastewater and effluent treatment;
- Pre-feasibility and feasibility studies;
- Basic and detail engineering ;