



Mine and Metals

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 mining industry.

It carries out mandates for various mines to improve heating systems including biomass based gallery heating and aluminum re-melting, optimize recovery rates, valorization of secondary materials and effluent treatment. The Opting team also offers solutions for the minimization and re-valorization of process water.

OUR SOLUTIONS ALLOW:

- Re-valorization of waste generated from operations such as wood waste
- Reduction in energy costs
- Reduction in process water use
- Increase recovery rates
- Establish new revenue streams
- Reduce, treat and re-valorize effluents at a lower cost
- Reduce storage footprints

THE TYPES OF MANDATES INCLUDE:

- 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