sener
Energy

Conceptual engineering of sustainability for thermal use

SENER ENERGY / SUSTAINABLE INDUSTRY / SOLUCIONES DE SOSTENIBILIDAD EN LA INDUSTRIA EN / BRAZIL / CHINA / POLAND / SWITZERLAND

CONCEPTUAL ENGINEERING OF SUSTAINABILITY FOR THERMAL USE

Cliente: Confidential – Multinational in the ceramic/porcelain sector

País: BrazilChinaPolandSwitzerland

Analysis and presentation of a short-medium term action plan for the transition of facilities towards sustainable production, optimising consumption and reducing environmental impact in six manufacturing

plants for a multinational company in the ceramic sector.

List of technical activities:

- Annual thermal consumption analysis.
- Analysis of accurate thermal consumption + simultaneities throughout the year.
- Search for improvements in thermal use for each of the processes, thus helping to reduce the consumption of natural gas.
- Analysis of process equipment, detecting those that can be replaced by non-CO2 emitting technology.
- Proposal of several solutions to provide a list of improvements and solutions, including the following measurement parameters for each of them:
  - Electrical consumption/savings.
  - NG consumption/savings.
  - Thermal consumption/savings (biomass, etc).
  - Preliminary CAPEX.