

Country: France

Sub-sectors:

- aroma
- baby food
- beer/ malt
- bread/ biscuits/ cakes
- chocolate/ cacao/ coffee
- fats/ oils
- fish
- fruits/ vegetables/ herbs
- meat
- milk products
- starch/ potatoes/ grain mill products
- sugar
- wine/ beverage
- others, e.g. canned food, ready meals

Activities:

- energy audits
- solar integration
- integration of heat
- process intensification
- bio-based products
- bioenergy
- energy efficiency
- cleaner production
- emerging technologies
- Lean 6 sigma to energy

RES:

- Solar thermal
- PV
- Biogas
- Heat pumps
- Biomass
- Absorption chiller
- Wind

 CMI INDUSTRY Environment	Name of organization CMI Group	
	Brief description: CMI is an international technology and service to project provider, specialized in Energy, Defence, Steel and Industry. As a technology driven company, it also provides Energy Efficiency Solutions.	
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Expertise: Improvement of operational Energy performances (energy management and quick win approach)
 Products and solutions to improve energy efficiency and valorization of waste heat

Qualifications

Education:

Master degree in energy,
 Master Black Belt LEAN,
 PhD in energy

Work Experience:

Energy audits in various industrial sectors including the food and beverage processing industries,
 A 5-weeks program to reduce wasted energy

Trainings:

CMI Environment institute
 (energy efficiency related courses)

Methods used:

Application of Lean / Kaizen approach to energy,
 Energy integration (source & sink approach, pinch analysis, ...)
 Smart Monitoring of the energy efficiency

Equipment used:

Various measuring devices

Other:

ISO 50 001 guidance,
 Using Best Available Technology (BAT)
 recommended by CMI R&D Center

Reference projects:

Food and beverage industries: Danone, Candia, Lactalis, Boscher Volailles, Saipol, Lesieur, Mc Cain, Andros, Coca Cola
 Other industries: ArcelorMittal, Vallourec, Rio Tinto, Manoir Industries, SGI