



Jacobs Douwe Egberts

Food & Beverage
Joure, Netherlands

Instant coffee manufacturing

Veolia scope

- Design, Build Operate and maintain a biomass boiler (15 ton/hour)
- Supply of industrial utilities: steam, compressed air, chilled water,
- Wastewater treatment O&M
- Customer testimonial:



| Challenge

- Jacobs Douwe Egberts (JDE) produces coffee and tea products. The Dutch company faced some challenges to meet the growing global demand for their coffee products:
- Greater demand for steam & critical utilities relative to market growth,
- Changing Dutch legislation - Spent Coffee Ground (SCG) could no longer be landfilled,
- Contribute to sustainability targets of JDE.

| Solution

- Co-Construction with the client of a spent coffee grounds thermal valorization solution which meets the site & client requirements (including return on investment).
- Technical pilots to select the boiler and the spent grounds dewatering solution.
- Energy valorisation of the biogas from the wastewater treatment plant.
- Utilities outsourcing contract with guarantees (10 years).

| Benefits



Reduce Operating Costs: 10% gas savings for the whole plant, avoidance of disposal costs for Spent Coffee grounds.



Maximize productive uptime: Construction completed in time, utilities in place to meet increase in planned production volumes.



Product recovery: By-product valorization of spent coffee grounds and biogas.



Guaranteed compliance: Guaranteed compliance for energy (emissions), water (effluent and cooling water discharge) and waste (zero waste to landfill).



Health & safety: No accidents during construction.



Environmental footprint: 14.000 tonnes of CO₂ avoided annually.

