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**REFERENCE LIST CONSULTING AND ENGINEERING v2018**


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CLIENT	LOCALIZATION	YEAR	MISSION DETAIL
GTT	France	2018	Study and Technical expertise on a thermodynamics system for LNG carriers
Confidential	France	2018	Consultancy services for a district heating system using geothermal energy
GTT	France	2017	Study and Technical expertise on a thermodynamics system for LNG carriers
GRT Gaz	France	2017	FEED contract for a heat recovery turbine at a pressure let down station (2.5MW)
Confidential (CEMENT)	Europe	2016	FEED contract for a WHR ORC unit on a cement plant
VEOLIA	France	2016	Feasibility study of industrial Heat pump in a waste to energy plant
EDM/French energy conservation agency	Mayotte French Dept.	2016	WHR on engines HT cooling water for power, heat and cold (air conditioning), with sea-water cooled ORC and absorption chillers. Complete project feasibility with heating/ cooling distribution grid.
Confidential	France	2015	Technical expertise on a new technology using thermodynamics
Confidential	France	2015	Feasibility study of special ORC system using low temperature heat source and sea cooling
HOLCIM	Switzerland	2015	WHR on Cement plant with ORC, HX parameters and system sizing and optimization including CHP approach.
ENERCAL/CTME	New Caledonia	2015	ORC implementation on HFO Diesel power plant exhaust gases – Turnkey project feasibility and preliminary design.
SLN/CTME	New Caledonia	2015	WHR on nickel plant electric furnaces – feasibility study of WHR on all plant heat streams and Preliminary design and costing complete WHR system on furnace exhaust gases.
EDM/French energy conservation Agency	Mayotte French Dept.	2015	WHR on Diesel power-plant exhaust gases. Preliminary design and economic feasibility.
Steel Plant – Steel world leader	France	2015	WHR on Electric Arc Furnace using two heat sources water jacket cooling, and exhaust gases.
Confidential	France	2014	Feasibility study for ORC on WHR on marine applications
Confidential	France	2014	WHR on 20MWe LFO Diesel engine

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Confidential	France	2014	WHR on marine diesel engines on board a ship.
Glass-plant	Central Europe	2014	WHR on glass float plant with combined heat and power system.
ENEA Consulting for ADEME	France	2012	State of the art of public policies on waste heat recovery to power in 25 countries. Technical expertise.
ADEME	France	2012	Study of methodologies for thermal energy metering and auditing applied to biomass boilers.
Tobacco industry	Poland	2011	Technical audit of a coal-fired cogeneration plant – conversion of two coal-fired boilers into biomass boilers
French Development Agency (AFD)	Africa	2011	Technical expertise for the instruction of projects in the context of Renewable Energy Cooperation Program between EU and Africa.
Alenium Consultants	France	2011	Technical expertise to a mission of consulting to define the strategic positioning of an institutional entity on the biomass energy market.
Industry	France	2011	Technico-economic study of processes for biogas upgrading.
Paper mill	France	2011	Study of the renewal of a gas turbine (7MW).
Industrial	France	2010	Feasibility study for the implementation of Organic Rankine Cycle on landfills.
Industrial	France	2010	Follow-up of performances of a micro turbine implemented on landfill gas: definition of instrumentation and test protocol, execution and exploitation of performance test results.
French Development Agency (AFD)	Thailand	2010	Mission of consultancy on the assessment of innovative biomass projects in Thailand: context analysis; meeting with project developers; definition of Best practice criteria to provide financial support to the projects.
French Development Agency (AFD)	Egypt	2010	Technical assistance for the audition of a specification to perform feasibility study for a 20 MWp solar plant, on behalf of New and Renewable Energy Authority (NREA), Egypt.
City of Besançon	France	2010	Preliminary opportunity study for the implementation of a micro-cogeneration plant using ORC or hot air micro-turbines technologies on a district heating system.
Electrical producer	France	2010	Feasibility study for the production of cold from a biomass power plant.
Studen	France	2010	Audit for the bidding dossier of a paper mill to the BCIAT 2010 tender.
Investor	France	2010	Market study for wood pellets in the Rhône-Alpes region.

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Agro food industry	Hungary	2009	State of the art of spent wash combustion in biomass boilers.
Industry	Philippines	2009	Feasibility study for the valorization of waste heat from kilns into steam or electricity and for the substitution of actual wood boiler using for drying purpose in a Philippine activated carbon factory.
CMI	Belgium	2009	Technological watch on electric valorization processes for industrial waste heat.
Energies du Sud,	France	2009	Feasibility study for electricity generation from waste heat from a biogas motor.
Investor	France	2009	Audit of a Concentrated Solar Energy technology
Investor/Operator	South East Asia	2008	Market study and Identification of a business portfolio for renewable energy assets (biomass, biofuels, solar) for a European investor.
French Fund for the World Environment	Congo	2008	Technical assistance for biomass cogeneration power plant projects in central Africa for the valorization of wastes from saw mills.
Wood Industry	Cameroon	2008	Technical assistance for a 1 MWe biomass power plant in a saw mill in Africa as part of a call for tender.
Investor	France	2008	Owner's engineer services for the re-development of a 5.7 MWe cogeneration power plant project selected at the French government call for tender "CRE2".
Industry	France	2008	Study of innovative solutions for cogeneration plant (heat, cold and power generation) valorizing landfill gas.
Industry	France	2008	State of the art of energy generation using micro-turbines technology.
Industry	France	2008	Consultancy for the setup of internal tools for reporting, profession database and management system for quality aspects as part of the drafting of an annual report (Environment and Sustainable Development).
EDF	France	2008	Pre-feasibility study for the re-development of an old industrial site implementing new power plants (biomass, biogas, solar): study of the potential resources for each energy, sizing of the projects, economical analyses.
BIOERE	France	2008	Assistance for the contractual negotiation of an EPC contract as part of a biomass power plant project running under the French government call for tender "CRE 2".
Industry	France	2008	Market study for a power generation technology using both biomass and waste heat (from industry and solar): identification and evaluation of suppliers, potential market and strategy advice for the implementation of a new activity related to this technology.
City of Albi	France	2008	Technical assistance for economic analysis of a solar thermal project on the roofs of building of the municipality.

CLIENT	LOCALIZATION	YEAR	MISSION DETAIL
EQT Infrastructure Limited	United Kingdom	2008	Assistance for a project purchase of a company specialized in energy infrastructures.

## ADDITIONAL REFERENCE LIST 2008 to 2011

### FEASIBILITY STUDY AND DEVELOPMENT OF BIOMASS POWER PLANTS

- OVERSEAS DEPARTMENTS / INTERNATIONAL

CLIENT	LOCALIZATION	YEAR	MISSION DETAIL	Project Power
Independent power producer	French Guiana	May 2011 3 months	Technical study and cost definition of a biomass power plant.	8 MWe
TECHNIP France	Brazil	June 2010 1 month	Technical diagnosis of thermodynamic cycles for bagasse cogeneration plants in sugar and alcohol factories in Brazil.	
UNIWAX Textile Factory	Ivory Coast	April 2010 3 months	Feasibility study for a cogeneration biomass power plant / biomass steam boiler valorizing feedstock from rubber tree plantations.	1,5 MWe
POWEO ENR Electricity Producer	French Guiana	Dec 2008 To 2011	Development of a 4.5 MWe biomass power plant: biomass supply, land acquisition, detailed engineering, permitting and management of the project.	5 MWe
Enervantage - Capiz Sugar Sugar mill	Philippines	March 2010 9 months	Feasibility study for a bagasse cogeneration plant in a sugar mill in the Philippines.	27 MWe
POWEO ENR Electricity Producer	French Guiana	Sept 2008 15 months	Pilot study for a 1 MWe biomass power plant using ORC technology (Organic Rankine Cycle).	1 MWe ORC

POWEO ENR Electricity Producer	French Guiana	May 2008 5 months	Feasibility study for the identification of 3 potential biomass power plants: identification of local partners for biomass supply, sizing of the power plants, economical analyses of the projects.
Sweet Crystal Sugar mill	Philippines	March 2008 5 months	Feasibility study for a bagasse cogeneration plant in a sugar mill in the Philippines.

- **FRANCE**

- **Biomass power and cogeneration plants**

CLIENT	LOCALIZATION	YEAR	MISSION DETAIL	Project Power
Private	Western Europe	July 2011 4 months	Study of the economic analysis of biomass cogeneration plants.	500 kWe to 10 MWe
Private	France, Corsica	July 2011 4 months	Feasibility study for a biomass power plant using forest wood in Corsica.	2 MWe
Equipment Company of Montpellier (SERM)	Languedoc- Roussillon	Jan. 2011 2 months	Feasibility study for a 2MWe Organic Rankine Cycle CHP on a district heating.	2 MWe ORC
Tractebel Engineering (GDF Suez Group)	Ile-de-France	Dec 2010 3 months	Assistance to build the Bidding file to the national call tender for electricity production from biomass for a >12MWe CHP plant on a district heating.	>12 MWe
EC Bioenergie Heidelberg Energy producer and supplier	Burgundy	April 2010 To 2011	Owner's engineer services for development and construction of a 5 MWe – 12 MWth wood-chips cogeneration plant and the associated pellet factory (70 kt/year).	5 MWe 12 MWth
Power supplier	Centre	May 2010 1 month	Assistance to evaluate the bidding dossiers of engineering candidates for the construction of a 5 MWe biomass cogeneration plant.	5 MWe

Pointe ENR Investor	Champagne- Ardennes	April 2009 4 months	Organization of Biomass supply for a 10 MWe biomass cogeneration plant (90 kt/year of paper waste) under the French government call for tender "CRE 3". Assistance to build the Bidding dossier to the CRE 3 tender for electricity production from biomass. Project selected.	10 MWe
EC Bioenergie Heidelberg	Burgundy	April 2009 4 months	Development of a 5 MWe wood-chips cogeneration plant and the associated pellet factory (70 kt/year) in the Burgundy region under the French government call for tender "CRE 3". Project selected.	5 MWe 12 MWth
Investor	Picardie	April 2009 4 months	Biomass supply organization for a 4,5 MWe biomass cogeneration plant (60 kt/year) in an agro-food industry under the French government call for tender "CRE 3" in the Picardie region.	4,5 MWe
Rhodia Energy Services Chemical Industry	Poitou-Charentes	March 2009 2 months	Feasibility study for the conversion of a coal boiler to a 3 MWe biomass cogeneration plant.	3 MWe
Investor	Brittany	Dec 2008 14 months	Identification, feasibility study and development of a 4.5 MWe cogeneration plant valorizing 60 kt/year of poultry litter as fuel under the French government call for tender "CRE 3".	4,5 MWe

- **Biomass boilers**

CLIENT	LOCALIZATION	YEAR	MISSION DETAIL	Project Power
Aerospace manufacturer	Ile-de-France	Dec 2010 3 months	Audit of the feasibility study and bidding dossier for the implementation of a 4MWth biomass boiler under the <i>Fonds chaleur BCLAT 2011</i> national tender.	4 MWth
TAG Textile Factory	Rhône-Alpes	June 2010 5 months	Feasibility study for a 3 MW biomass steam boiler to supply a printed fabric factory (3 kt/year of wood chips).	3 MWth
OSIRIS	Rhône-Alpes	Jan 2010	Feasibility study for the conversion of a 50 MW coal boiler to a co-firing	50 MWth

Chemical Industry		3 months	biomass/coal boiler on a chemical site.	
Investor Agro-food factory	Picardie	Jan 2010 4 months	Feasibility study for a 10 MWth biomass steam boiler to supply a agro-food industry.	10 MWth
Papeteries de Turckheim Paper mill	Alsace	Jan 2010 5 months	Feasibility study for the implementation of a biomass cogeneration plant / steam boiler to supply the needs of a paper mill. Assistance to build the Bidding dossier for the <i>Fonds Chaleur BCLAT 2010</i> national tender for steam production from biomass. Project selected.	14 MWth
Tobacco industry	Pays de la Loire	Dec 2009 4 months	Feasibility study for a 14 MW steam boiler using biomass and tobacco liquor as fuel. Assistance to Bid for the <i>Fonds Chaleur BCLAT 2010</i> national tender for steam production from biomass. Project selected.	16 MWth

**FEASIBILITY STUDY AND DEVELOPMENT OF SOLAR PLANTS**

CLIENT	LOCALIZATION	YEAR	MISSION DETAIL	Project Power
City of Albi	France, Midi-Pyrénées	June 2010 2011	Pilot study for the implementation of a 2.5 MWp solar power plant on a former coal residue storage site.	1,7 MWp
Dynergies Investor in the energy field	France	May 2010 2011	Development of 4 on field solar power plants projects in France for a grand total of 25 MWp.	25 MWp
BP SOLAR PV solar constructor	France, PACA	Jan 2010 1 month	Feasibility study for the implementation of a solar power plant on a coal heap site.	3 MWp
RIO TINTO ALCAN Metallurgic industry	France, Midi-Pyrénées	Nov 2009 3 months	Feasibility study for the development of a photovoltaic solar project on an old foundry remnant storage site.	2 MWp
JUWI ENR	France	Feb 2009 2011	Development of 2 solar power plants in France on former industrial sites.	4 MWp 2 MWp
City of Albi	France, Midi-Pyrénées	Oct 2008 1 month	Technical support as owner engineer for the evaluation of solar photovoltaic projects on the roof of buildings and former industrial sites of the municipality.	