



**BIOMASS**



**1. SENERCO ENERGY SERVICES PRESENTATION**

**2. REFERENCES BIOMASS ENERGY**

**3. SENERCO BIOMASS SERVICES**

**PRECONSTRUCTION**

**CONSTRUCTION**

**POSTCONSTRUCTION**

## 1. SENERCO ENERGY SERVICES PRESENTATION



**SENERCO** is an engineering and consulting company specializing in project management in the energy sector, which makes available to its customers a full team of people with extensive experience in the renewable energy sector, able to solve any technical aspect of the facilities.

**SENERCO** is a company with extensive experience in the development of cogeneration plants from biomass and energy service solutions based on this technology.



## 2. REFERENCES BIOMASS ENERGY

✓ **Technical and economic assessment of biomass cogeneration project of 5 MW and process steam supply. Analysis of costs and supply of biomass processing in TICOFRUT facilities in Costa Rica.**

Year: 2013



## 2. REFERENCES BIOMASS ENERGY

✓Feasibility study by steam supply biomass boiler installations GRUMA Corn Plant located in Costa Rica.

Year: 2013

✓Feasibility study for steam supply by biomass pellets NUMAR refinery facilities located in Costa Rica.

Year: 2013



## 2. REFERENCES BIOMASS ENERGY

- ✓ **Technical assistance and project evaluation for acquisition and transfer of a biomass plant of 8.7 MW of electrical power in Constitution (Chile)**  
Year: May 2012





## 2. REFERENCES BIOMASS ENERGY

- ✓ **Development, preparation and drafting of the Conceptual engineering to determine parameters of basic designs, the requirements of main equipment and resource needs for three plants of 20 MW with technology of biomass in Chile.**

Year: March 2012



## 2. REFERENCES BIOMASS ENERGY

- ✓ **Biomass Gasification Plant Project 2 MW in Sevilla to CORENER**  
Year: March 2011





## 2. REFERENCES BIOMASS ENERGY



- ✓ **Project evaluation and biomass technology for projects of 10 MW for ASSIGNIA Infrastructure in India**  
Year: April 2009



## 2. REFERENCES BIOMASS ENERGY

- ✓ **Feasibility study of generation plant from forest biomass through boiler and steam turbine at Fuente de Piedra (Málaga)**

Year: July 2006



## 2. REFERENCES BIOMASS ENERGY

- ✓ **Generation plant of 8.0 MW from olive cake with steam boiler of 35,000 kg / h, 63 bar and 400 ° C, steam turbine and air condenser. Fuente Piedra (Málaga)**  
Year starting: 2005





## 2. REFERENCES BIOMASS ENERGY



- ✓ **Elaboration of project Power Plant of 10 MW from biomass for in Durango (México)**  
Year: 2012
- ✓ **Feasibility study of generation plant from rice straw by boiler and steam turbine at San Juan de Aznalfarache (Sevilla)**  
Year: 2004
- ✓ **Feasibility study of biomass boiler for process steam production facilities “Espuny” in Morón de la Frontera (Sevilla)**  
Year: 2003

## 2. REFERENCES BIOMASS ENERGY



- ✓ **Feasibility study of plant power generation from landfill biogas “Commonwealth de la Vega”, Guillena (Sevilla)**  
Year: 2002
- ✓ **Feasibility study of generation plant from olive orujillo by boiler and steam turbine at Fuente de Piedra (Málaga)**  
Year: 2001

### 3. SENERCO BIOMASS SERVICES



**PRECONSTRUCTION**

ENGINEERING

ENERGY PRODUCTION STUDIO

FINANCIAL MODEL



### **3. SENERCO BIOMASS SERVICES**



#### **CONSTRUCTION**

**TURNKEY CONTRACT**

**CONSTRUCTION SUPERVISION**

**COUNSELLING AND PURCHASE OF MATERIALS**

**PROJECT MANAGEMENT**

**QUALITY CONTROL**

### 3. SENERCO BIOMASS SERVICES



#### **POSTCONSTRUCTION**

AS-BUILT DOCUMENTATION

O & M (OPERATION AND MAINTENANCE)

PRODUCTION MONITORING

REPORTING

COLLATERAL MANAGEMENT



Parque Industrial Chaparreo · C/Irlanda, 13 · Edificio Chaparreo, Oficinas 4-5 · 41500 Alcalá de Guadaíra (Sevilla) Spain

**José Manuel Rodríguez Martín, +34 629 132 145**  
[jmrodriguez@senerco-es.com](mailto:jmrodriguez@senerco-es.com)

**Íñigo Argüeso Bejarano, +34 638 033 793**  
[iargueso@senerco-es.com](mailto:iargueso@senerco-es.com)