

CORE BUSINESS

The **IPPOCRATE AS S.r.l.** is an Energy Service Company, ESCo, which has its core business in the turnkey development of plants for energy production using renewable sources and in the intelligent use of resources in order to achieve sustainable development.

Photovoltaics, wind, biomass, biogas, cogeneration, energy audit and certification of energy quality are its leading activities.

The company has benefited from European Regional Development Funds (ERDF) through the National Operational Program (NOP) "Local Business Development".

Plant Design

1. Solar Photovoltaic Plants:

- Site analysis and technical and economic feasibility study to search the best solution system to meet customer specifications;
- Implementation of Business Plan;
- Consulting in evaluation and activation of financing channels;
- Development of the preliminary project and submission of the application for connection to the electricity grid;



- Implementation of the final project;
- Implementation of the executive project;
- Implementation of the security plan of the site;
- Development of a time-program for implementation of the works;
- Preparation of the documents required for the site opening (DIA Denunzia Inizio Attività);
- Works Management;
- Supply and plant set up;
- Testing of building and accessory masonry works;
- Management of all documentation required for the activation of the energy account until the approval of the incentive fee and the connection to the network;
- Post-installation consulting and management of relations with the Authority (GSE).

2. Wind Plants:

Ippocrate AS designs and develops wind turbines with vertical axis and horizontal axis, and assists the client in the following phases:

- Qualification of the site;
- Study of technical and economic feasibility of the investment;
- Authorization process;
- Building of the plant;
- Connecting to the network.

3. Biomass and Biogas Plants:

Ippocrate AS offers the following services:

- Preliminary feasibility study;



- Support for funding applications;
- Executive planning;
- Supply and equipment assembling;
- Assistance and plants management.

4. Cogeneration Plants:

Analysis of convenience for the construction of plants producing electricity and heat locally. Identification of the impact and requirement of the heat energy and assessment of the convenience of the investment and the timing of its recovery.

Energy Management:

- Contract consulting for minimizing the cost of supplying: the service consists in the analysis of different commercial offers for the electricity supply to identify the cheapest.
- Minimizing the transport cost: identification of the best pricing option that is applied to the transport service from the retailer of electricity.
- Electric power factor correction: designing interventions to processors to eliminate the removal of reactive energy in order to clear the cost of power factor correction in the electricity bill paid.
- Optimization of the connection voltage: analysis of convenience in changing the voltage of the connection, investment prospectus and policy of depreciation over the years.
- Minimization of imbalance cost: estimates for the transfer of electricity of the site in order to minimize the cost of dispatching paid the electric bill.
- Interface with the relevant authorities AEEG, GSE, etc..



Energy Audit:

Energy Audit objectives are:

- Define the energy balance of the structure;
- Identify any waste or improper use;
- Suggest actions for technological upgrading (Action Plan);
- Evaluate technical and economic options for each intervention;
- Improving comfort and safety conditions;
- Reduce management costs.

Scouting and Photovoltaic Project Development:

Ippocrate AS conducts a scouting activity to locate lands on which to develop projects for photovoltaic systems.

Soil characteristics:

- Type: agricultural field;
- Dimension: min 3 ha – max 100 ha;
- PPlan or hilly, tilted to the south;
- Sun-exposed;
- Without any shadow: no trees, buildings, nor mountains in the vicinity;
- With the possibility of connecting to the electricity network - medium voltage max 350 m;
- Based in an area without any environmental, landscape, archaeological constraints;
- With access road passable by trucks;
- Without charges on the ground.

Project development is the planning/authorizing activity executed by Ippocrate AS for big photovoltaic plants and it consists of the following activities for the issuance of all permits:

- Preliminary design in order to obtain all permissions and administrative authorizations;



- Writing of the final project documentation in accordance with CEI-02;
- Screening EIA and technical assistance in order to get the ARTA opinion on environmental compatibility;
- Geology, geomorphology, hydrogeology, botanical and fauna report;
- Preliminary report to request the connection point Enel / Terna;
- Preparation of the necessary documentation and authorized claims;
- ARelational activities with all entities involved in collecting opinions, clearances, and anything else necessary for the Conference of services provided in the proceedings "Autorizzazione Unica".

When the project execution has been authorized Ippocrate AS takes care for all technical activities for the construction of the photovoltaic installations.

Energy Certification of Buildings:

Ippocrate AS provides the following services: energy certification, drafting of the plate energy production and the award of the energy certification, which are obligatory for new buildings and for costly transfer of property, pursuant to Italian Decree Law, 19/08/2005 No. 192 and Italian Legislative Decree No. 311 of 29/12/2006. Energy certification is a certificate which allows us to understand how the building was made in terms of isolation and how it can contribute to energy savings. It consists of an evaluation of the integrated energy requirements of a building resulting in certification and the assignment of a certain energy class.



IPP
energy



JO Group is a system of companies which has its core businesses in fund raising, renewable energy, training and web applications.

JO Consulting S.r.l. has its core business in fund raising, at European, national and local level. It works in an international network composed by public and private research centres, small-medium and large companies, and public administrations. JO Consulting also provides tutoring services to support start-up enterprises as business angel.

www.joconsulting.eu

P.M.F. S.r.l. is a research institution in ICT field involved in several international projects based on ICT technologies and it is also an accredited training institution particularly focused on e-learning methodologies.

www.pmftraining.eu

VITECO S.r.l. is a provider of technologies for long-distance training, it has its own e-learning platform (www.e-logos.it) and a solid expertise on open source platform Dokeos.

www.vitecolearning.eu

HT S.r.l. is focused on the development of the web applications.

www.htinnovazione.eu

In addition, JO Group non-profit partners are the **e-Medine Observatory** (www.e-medine.org), active in the international cooperation, and **JO Education** (www.joeducation.eu), an accredited training institution.

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