



“One man's magic is another man's engineering”

Robert Anson Heinlein (american writer)

Genera is an Italian engineering company with over a decade of experience in industrial and environment sectors, with considerable EPC (Engineering, Procurement and Construction) know-how applied to Renewable Energy field. Genera has developed inside all discipline, from basic design to complete "turnkey" systems of industrial plants, infrastructure, public and private buildings, as well as renovation and restoration and revamping of industrial applications. As a result of Genera strong interest for internationalization, significant partnerships with relevant worldwide partners working in renewable energy have been created, including Canadian Solar, ET Solar, JF Energy Group and Gest.Comm.Group.



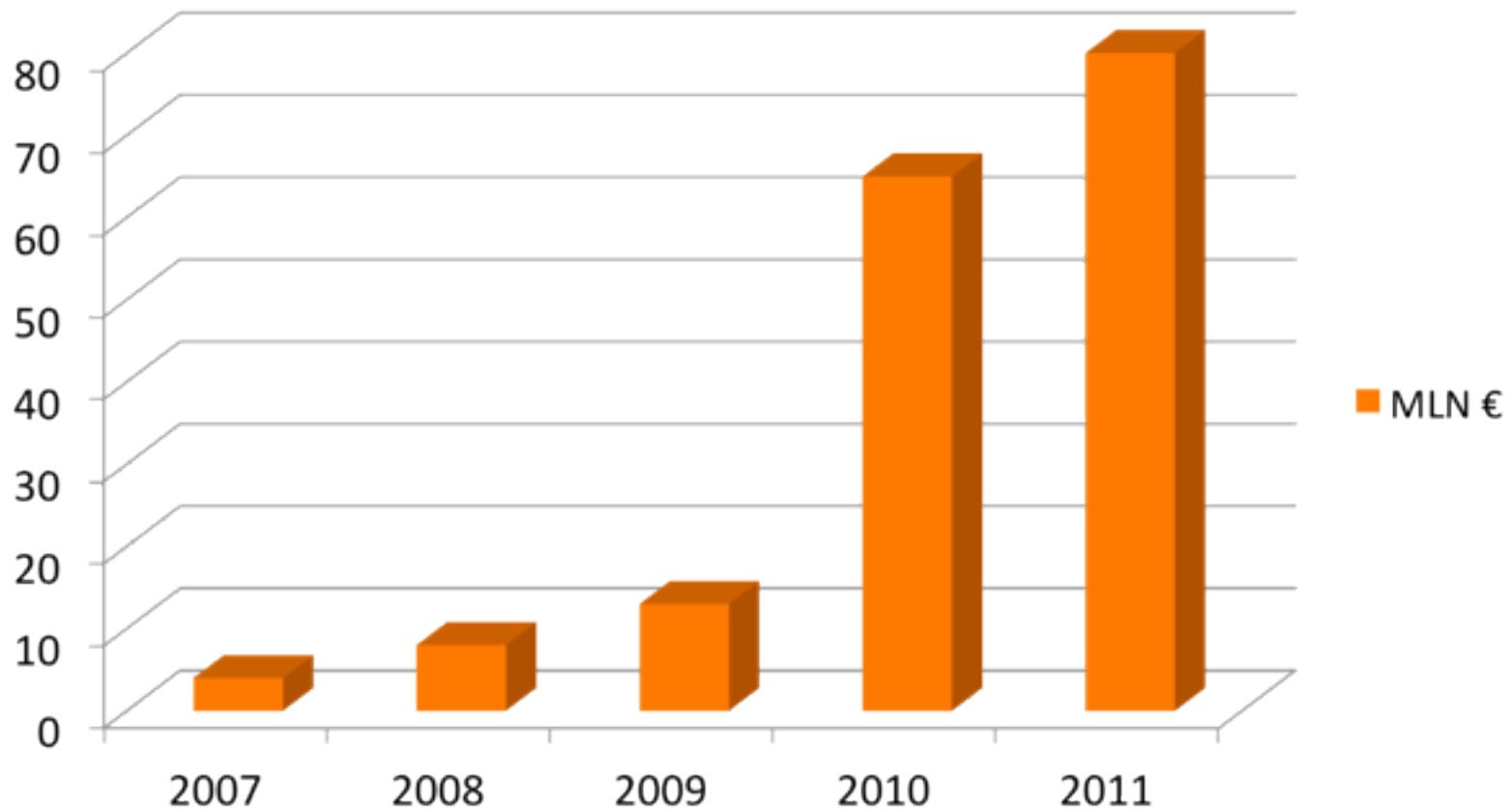
Mission

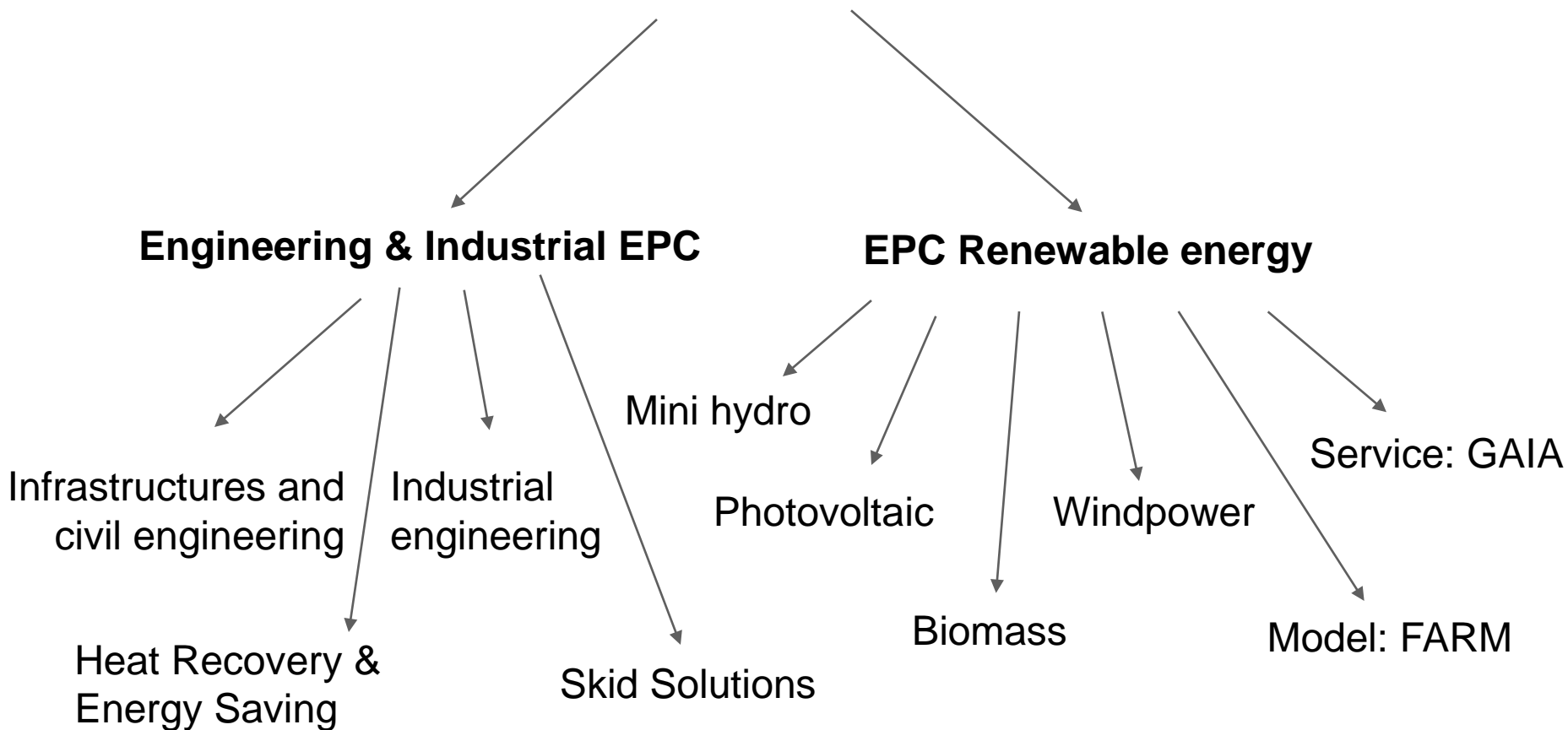
To generate **innovative solutions** and advanced technology for energy sustainability thanks to the combination of **technical expertise** and **creativity**.

Vision

Intention and **action** combined together act as facilitators of processes that integrates social development and **environmental sustainability**.

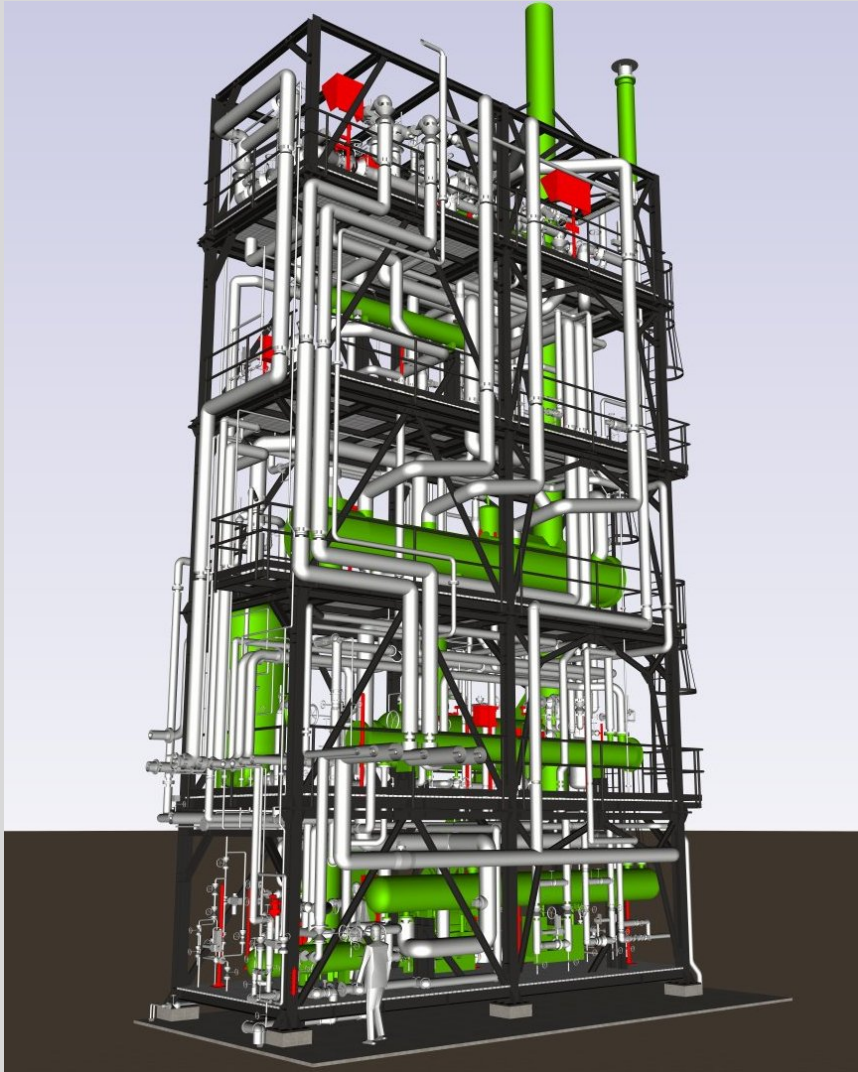








Genera is involved in various sectors of engineering and architectural field. Due to its great experience , the company offers technical assistance right from the feasibility study. At the same time, the company has the capability to be the one and only interlocutor, starting from the basic design of the project to the [“Turn-Key” solution](#), with personalized solutions according to the customer’s needs.



The Biomass is organic material both vegetable and animal (wood, agricultural and forest waste, food industry wastes, weeds, city garbage etc...) that is used directly as fuel for the production of energy or transformed in Biogas, which also can be used as fuel. In the field of the biomass, the company offers its self as EPC of plants of different sizes thanks also to the partnership with international companies. In coherence with its approach Genera, has personalized solutions so we are able to satisfy all our costumers needs. The Company will be the single interlocutor and is able to deliver a plant "turn-key" solution in a few months after the signing of the contract. Genera offers the development of the project, maximum optimization of the site, construction and assembly , management and maintenance.



- possibility to personalize the plant according to the thermal needs of our client
- High electrical efficiency and low thermal consumptions
- study possibilities of integrated systems among various renewable sources
- velocity in the realization of the plants

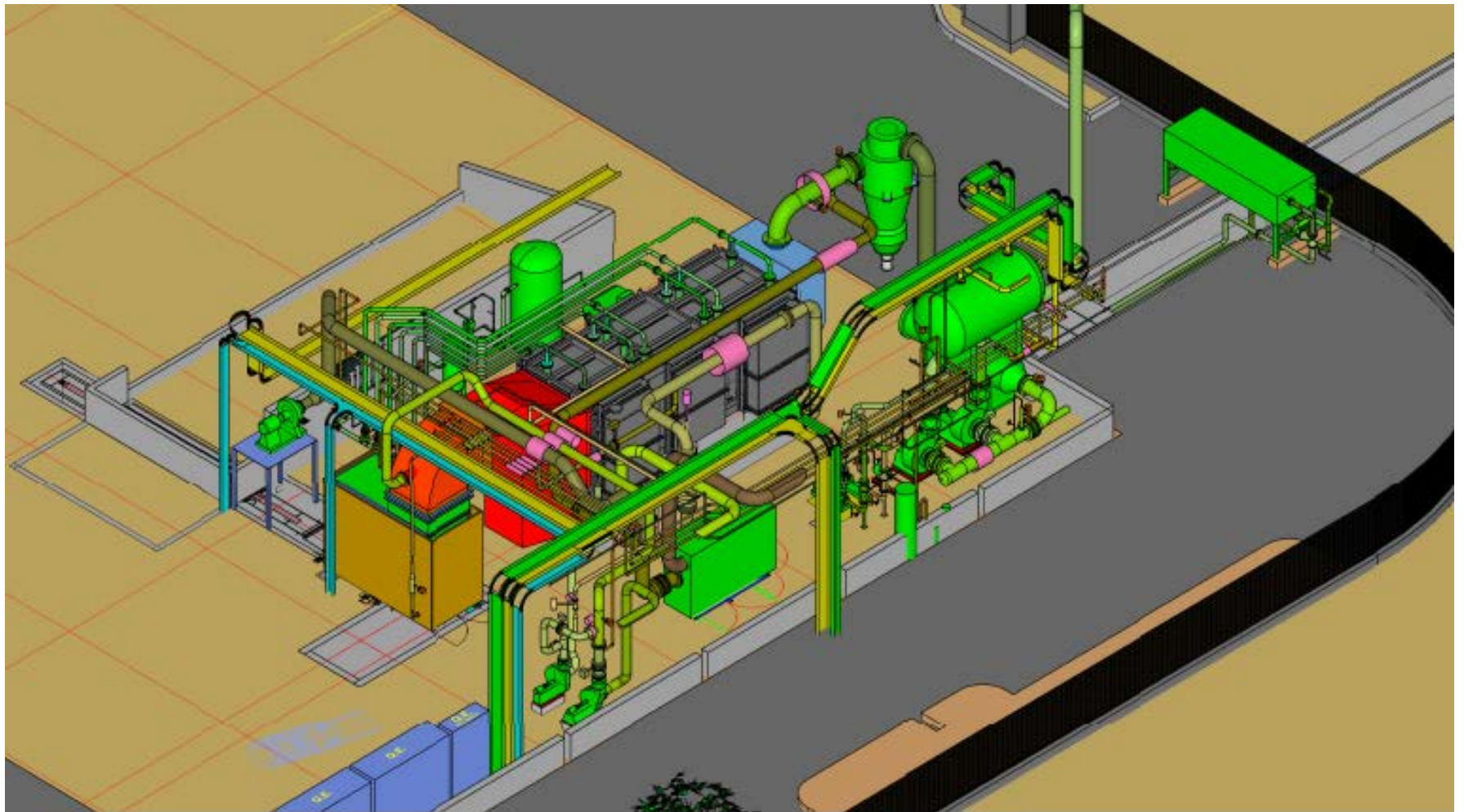
Technical data:

Electric Power	80 kW _e	Variable depending on outside temperature. Power generated will be between 65 kW _e (at 35°C) and 85 kW _e (at 5°C)
Thermal Power	300 kW _{th}	Variable depending on outside temperature. At cold temperature thermal power generated will be max 350 kW _{th}
Biomass consumption	150+200 kg/h	Variable depending on outside temperature.
Flue gas temperature	180°C	
Flow and temperature of water	26 m ³ /h a 95°C	In this case is considered as recovering of heat like hot water. It is possible to recover the heat also like steam.
Hours of running	8000 h/year	
Hours of running	5000 h/year	Hypothesis of districting heating during the winter and spring season
Dimension	200 m ²	
Electric connection	Low voltage	

Potential customers:

Wood factories
 Wine producer
 Sawmills
 Laundry
 Dairy producers
 Brewery







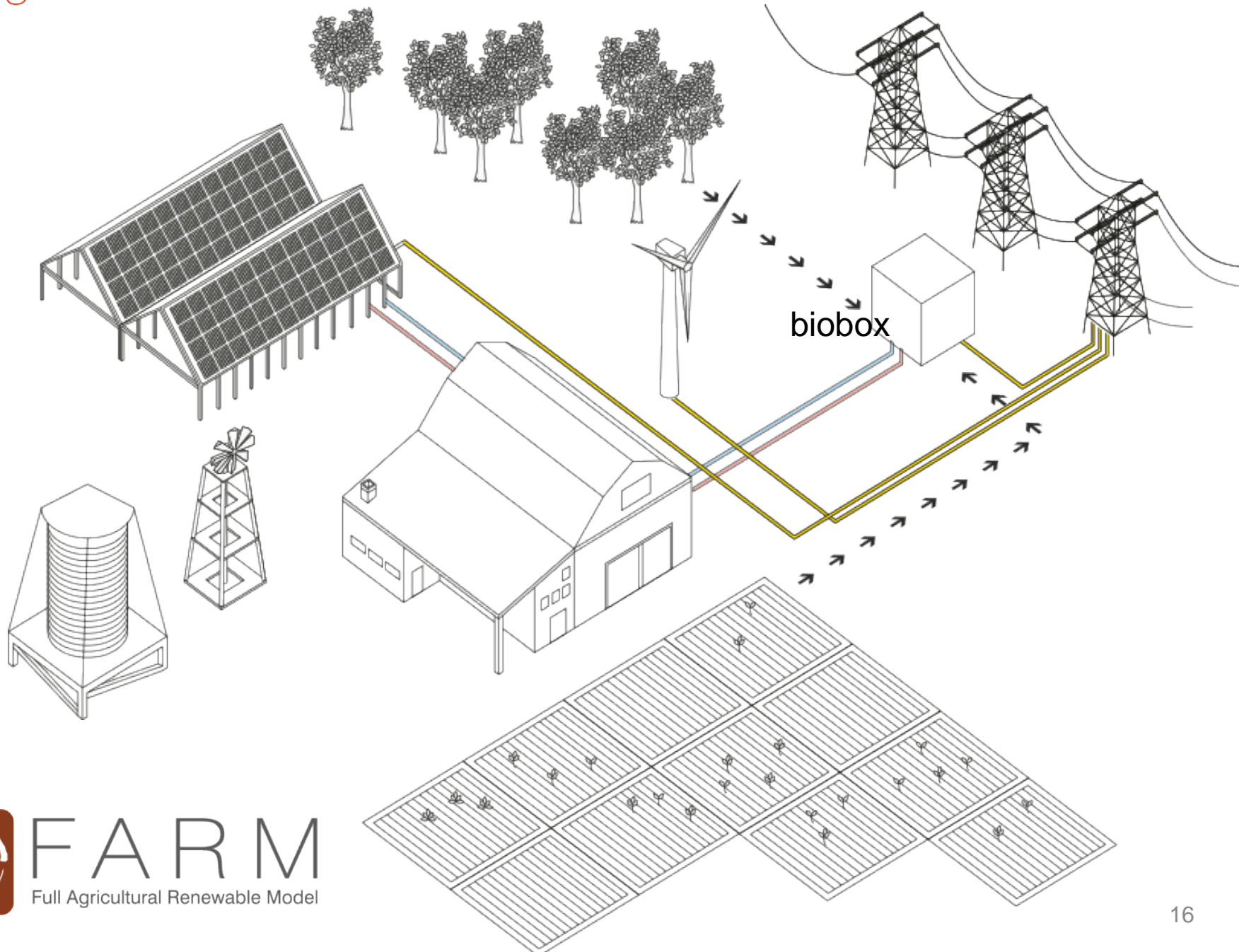




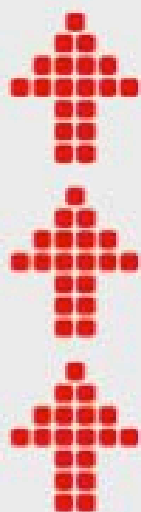
FARM-Full Agricultural Renewable Model

FARM is a model which provides an integration of different renewable energy sources: from biomass to photovoltaic to mini aeolians, applied to an agricultural firm. The objective is double: on one hand to give incentives for the sustainability creating an agricultural energetic process able to give value to the territory and generate occupation respecting the environment; on the other hand a business, transforming a sector in difficulty as the agricultural sector, as in fact, independent from an energy point of view and with new potential developments. FARM, by using different renewable energy sources, satisfies the companies needs, allows the cultivations of valuable crop in green houses and even more energy is available and can be for the management of the premises and equipment for temporary housing as in, for example, holiday farm houses.

FARM FARM
FULL AGRICULTURE RENEWA
BIOMASS BIOMASS B
PHOTOVOLTAIC PHO
WIND POWER WIND POWE
SHORT FOREST SHORT FOR
INTEGRATION INTE



THANK YOU
FOR YOUR
ATTENTION



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