



# ***Jema opens its first subsidiary in the United States***

**WITHIN THE FRAMEWORK OF ITS INTERNATIONALISATION STRATEGY, JEMA RECENTLY ESTABLISHED ITS FIRST SUBSIDIARY IN THE UNITED STATES. THE COMPANY CHOSE SAN FRANCISCO, CALIFORNIA, AS ITS ACTIVITY BASE DUE TO THE HIGH CONCENTRATION OF COMPANIES IN THE RENEWABLE ENERGY SECTOR. AS WELL AS SUPPLYING THE MARKET WITH PRODUCTS AND SERVICES RELATED TO PHOTOVOLTAIC PLANTS, IT AIMS TO BE IN THE FRONT LINE TO MEET THE DEMANDS OF RESEARCH CENTRES THAT FOCUS ON NUCLEAR FUSION AND HEAT SEALING, ETC., TECHNOLOGIES ROOTED IN THE FUTURE.**

Jema designs and manufactures Static Energy Systems for various renewable energy generation plants. One outstanding area of activity is photovoltaic energy which transforms the inexhaustible and clean energy produced by the sun into electrical energy. Today, the company has a wide range of solar inverters suitable for large solar plants and also for residential installation. These systems inject all of the energy gathered from solar panels into the mains network.

Jema Energy USA is now based near its clients and can provide tailor-made solutions to meet their needs. It provides static systems designed according to the technical specifications of each project and client. The products developed by Jema for the US market comply with the country's strict technical and safety standards. These systems have been tested in international laboratories for months and are certified by authorized agencies. Furthermore, it provides an after-sales service consisting of specialist technicians and also continuous client assessment to ensure the correct maintenance of all systems.

The United States is turning to renewable energy as a global economic boost. In 2001, it led investment in renewable energy and even overtook China, Germany, Italy, the United Kingdom and India. In July, the largest companies in the renewable energy sector met at Intersolar North America 2012; Jema had a stand at this important international fair and presented the latest developments in the photovoltaic solar market.



## LAUNCH OF SOLAR INVERTERS FOR RESIDENTIAL INSTALLATIONS

These systems are monophasic and triphasic and have an innovative, exclusive design at the input stage. They are small, reliable and have a higher energy output than those systems currently available in the market.

Jema's photovoltaic solar inverters have the benefit of the company's 60 years of experience in designing and manufacturing industrial power systems that are robust, reliable, safe and that perform well. Now, all of this know-how has been applied to power generation on a smaller scale. The solar inverters comply with every EU and US safety standard and the strictest technical guidelines.

The systems are specially designed to optimize the performance of photovoltaic panels. Installation is straightforward and they are also ultra-silent. Communication is integrated as standard; the inverters have a USB connection, Ethernet and RS485. The end user has total independence because he or she can read the number of kilowatts of energy

generated, the energy saved and even detailed statistics such as the CO2 emissions that have been saved from emission into the atmosphere.

In 2012 these new products were presented at the main international fairs for the renewable energy sector. Clients have reacted very positively to these new developments and have highlighted their attractive design and excellent properties.



## FIRST ORDER IN BRAZIL

In May, Jema signed its first contract with the engineering company Duro Felguera Brasil to supply Critical Feed Systems to the Parnaiba power station. This is an open installation and will operate with a gas turbine and nominal power of 170 MW.

The power station belongs to the Brazilian group MPX. This group is dedicated to the exploration and commercialization of natural resources (carbon and natural gas) and to the generation and commercialization of energy. At the same time, the company is also interested in renewable energy and logistics.

The Parnaiba project involves a complex energy generator that is being installed by the Brazilian group in Santo Antonio dos Lopes in southern Maranhao state, in the north east of Brazil. The group has a gas field in this area which will supply the installation.

During 2012, Jema will manufacture inverters, rectifiers, battery chargers and distribution grids for the control, safety and maintenance rooms at the power station. These systems have been tailor-made for the installation and apply the most advanced technology in power electronics. They are notable

for their robustness, reliability, efficiency and safety and they ensure a correct and uninterrupted supply of energy to the power station.

Signing this contract in Brazil will allow Jema, a specialist in tailor-made power electronics, to assert its presence in the field of electricity generation in Brazil. It is predicted that this country will make significant investment in the energy sector over the next few years and Jema expects its activity in Brazil to continue to grow.

