

# INDUSTRIAL PLANTS

September 2021

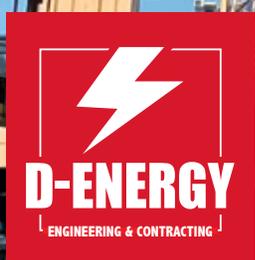
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# Behind every problem there is an opportunity

The design, testing and delivery of complete and integrated modular E-Houses satisfy the growing need of “Plug and Play” digital solutions

**Tiziano Frascoli**, CEO D-Energy S.r.l.

**D**-Energy is a privately owned Italian manufacturer with capabilities and proven experience to provide its Clients in the Oil and Gas Industry, Chemical, Petrochemical and Power Industry with a complete integrated solution consisting of Modular E-Houses. The E-Houses are fully developed, engineered, manufactured, assembled and tested in D-Energy factory before being shipped to site, ready for fast installation and commissioning using a “Plug and Play” concept. D-Energy equipment complies with international standards and performance criteria for onshore and offshore installation, designed with fire ratings up to H120 (in compliance with BS EN 12079-1:2006), with the capacity to withstand seismic and blast events, suitable for ambient temperatures between -45°C and +55°C, resistant to the worst environmental conditions supplied with special paint coating cycles (jet fires).

**The ‘Plug and Play’ concept guarantee: tailor made design, a unique partner & supplier, cost & time effectives solutions**

As past track records D-Energy has provided (supplied and sub-supplied) products and services to major international Companies such as Schneider, ADNOC, Bonatti, ENI, Exxon Mobil, DNO, Emerson, Honeywell, KPO, KT Kinetics Technology, OMV, Pertamina, SMA, Sonatrach, TCO, Turboden, and others, serving more than 20 countries.

Headquartered in Cesano Boscone (Italy) with a manufacturing unit and a construction facilities yard for



the manufacturing of any biggest size Modular E-houses in the Massa Carrara port, in Tuscany region; D-Energy has also a presence in Abu Dhabi – UAE (D-Energy Operating Equipment LLC).

**Our yard more than 30.000 m<sup>2</sup> in Marina di Carrara 2 km far from port able to move oversize modules**

The Covid-19 pandemic caused an unprecedented global health and economic crisis, which raised not only



serious economic problems in many industries, but also critical challenges related to consumer health and other fundamental rights.

For Italy - and especially for the north of the country, where D-Energy has its headquarters - these have been complicated years. The restrictive measures have inevitably influenced - and continue to influence - the dynamics of the market, the execution of contracts, the content of their clauses, as well as the way of working. Almost two years after the start of the pandemic, we have had to adapt to this 'new world'. This new challenge, together with the uncertainty in the energy market and the new global commitment to reduce emissions and pollution in order to create an increasingly "green world", has led us to study innovative solutions to reduce the environmental impact of our installations.

In a world like "energy", which is certainly not one of the greenest, but which we will not be able to do without for many years, the choice of oil companies to move towards E-House solutions certainly reduces the "production of pollution".

A great deal of transport is saved, waste management in a company that respects the rules of differentiation instead to manage on the field, the choice of materials with the least possible pollution, is certainly not much

compared to all the technological innovations that have been studied to reduce pollution, but the principle must always be that each of us must do as much as possible to contribute to limiting damage. D-Energy wants to be all of this, and with a view to further increasing our commitment, and thanks to our long-standing collaboration with the multinational company Schneider Electric, we have begun a process of material analysis and technical choices that will enable us to achieve these objectives, all through the "Green Premium" brands, with which Schneider shares with its partners clear and transparent information on its mission regarding global environmental and health challenges related to the use of hazardous substances, their environmental impact and consequently gives important end-of-life guidance to preserve the planet's finite resources and provide efficiency to help its customers achieve more with less energy and resources.

**Joint venture projects with Schneider (world wide)**

As a result, we have applied "smart manufacturing": a new way of understanding the "production of a good" starting from its design and arriving at delivery dictated by the need to transform companies and the



Schneider Electric – ADNOC  
South East TIE Project- PKG C  
N. 5 ELECTRICAL SUBSTATION



Schneider Electric - Tengiz Chevron Oil kz  
TCO Orken village  
UPS building



Schneider Electric - Turboden  
Palayan Binary Power Plant Project Phillippines  
Compressor.power and automation E-House



Schneider Electric - JOCAB (TOTAL)  
Absheron Early Production platform  
Electrical and Control Room E-House

entire supply chain into more efficient, productive, and economically and environmentally sustainable entities.

This certified programme demonstrates the commitment to sustainable performance for customers: the efficient use of energy and natural resources means that CO2 emissions can be reduced, thus reducing environmental impact, and optimising the cost of resources.

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As reflected in the EXPO 2020 slogan: “Connecting minds, creating the future”, we are happy to be present at this event to share an important principle of ours, in which we strongly believe. The pandemic has indeed forced us to stop and reflect. It is now crucial to ensure that this devastating moment can become an opportunity for our entire planet. We are honoured to be able to be present and share with you this article and share the goal of this event and are open to any kind of initiative in line with our principles.

I would like to conclude this short article with a quote from one of the most famous Italians in the world, Galileo Galilei: “behind every problem there is an opportunity”.

Good luck to the UAE for this wonderful opportunity. We have been present with our branch, D-Energy Operating Equipment LLC located in Abu Dhabi, for 2 years now and we are ready to bet with you.



## Tiziano Frascoli

Tiziano Frascoli, CEO of D-Energy Engineering and Consulting, has more than 30 years of experience in the world of energy.

During his early days, he worked in several engineering companies as an instrument and automation engineer. In ABB for a long period of time, he learned the skills of general and project management, until he became a Project Director.

Subsequently he worked as a Commercial Director, Proposal Manager and Business Development Manager for new markets, the most important of which was Kazakhstan.

Thanks to his experience, in 2015 he founded D-Energy as well as two other two companies, of which he is the CEO.