



TD *THEO*
DELTA

The logo consists of a large, white, stylized monogram 'TD' on the left. To its right, the words 'THEO' and 'DELTA' are stacked vertically in a bold, italicized, sans-serif font. 'THEO' is in a light gray color, while 'DELTA' is in white. The entire logo is set against a solid blue background.

ABOUT US

THEO DELTA



Theo Delta SLU, is a Spanish manufacturer, trading and contracting group, with facilities in Spain and Egypt.

Built on the foundations, of long established companies, leading their respective markets in the regions they operate, Theo Delta brings together a wealth of experience in all its fields of operations, providing the highest quality products and services, to practically meet our clients demands.

The Theo Delta family, is made up of diverse divisions, that have grown organically over the last two decades, with 'water' and 'energy' at the heart of all our logic.

We are by numbers market leaders and solutions provider, in our different fields.



WWW.THEODELTA.COM

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ABOUT US

THEO DELTA

THEO DELTA manufactures a variety of Electrical products for power generation, Ductile Iron products for the water industry, as well as a vast Agricultural range of implements and machinery. Theo Delta also has extensive trading program, complimenting its manufactured range and services, and providing a one stop shop solution, wherever we can.

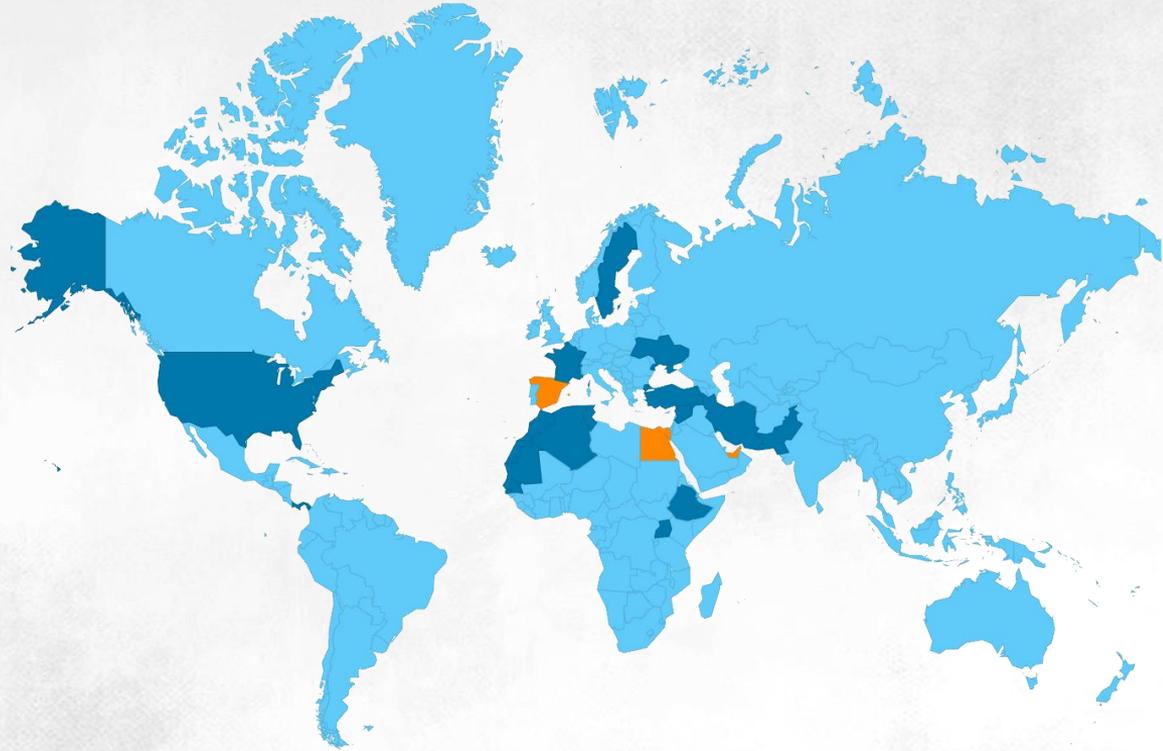
Theo Delta's services division is focused on the development and EPC services for clean energy projects of any size, electric installation, as well as turn key farm construction, mechanization and irrigation.

Theo Delta products are present through our distribution networks, and our EPC and installation services are rendered world wide with successful projects completed in Europe, South America, Africa and the Middle East, as evident by our extensive reference list.



WORLDWIDE PRESENCE

- ✓ Algeria
- ✓ Egypt
- ✓ Ethiopia
- ✓ France
- ✓ Iran
- ✓ Mauritania
- ✓ Morocco
- ✓ Pakistan
- ✓ Panama
- ✓ Saudi Arabia
- ✓ Senegal
- ✓ Spain
- ✓ Syria
- ✓ Sweden
- ✓ Tunisia
- ✓ Turkey
- ✓ Ukraine
- ✓ Uganda
- ✓ United Arab Emirates
- ✓ United States



OUR DIVISIONS

THEO DELTA BRANDS



A close-up photograph of a wheat field with golden stalks and heads. The background is softly blurred, creating a sense of depth. Overlaid on the center of the image is a logo consisting of three parts: a large blue stylized 'TDA', the words 'THEO DELTA' in white italicized font with a green triangle at the end of 'DELTA', and the word 'AGRICULTURE' in white all-caps font below it.

TDA
THEO DELTA 
AGRICULTURE

THEO DELTA AGRICULTURE

AGRICULTURE DIVISION



With our strong knowledge of water and power, and working in rural areas, as well as drawing on our geographical locations and identity as a Spano Egyptian group, two countries with a wealth of tradition, knowledge in agriculture technologies and industrial best practices, developing our latest division came naturally, THEO DELTA Agriculture.

The initial idea which has been successfully implemented, was to combine our experiences in our different principles, with that of different specialized highly qualified companies, from our home regions of Murcia (Spain), as well as from Egypt, where we have a large presence, to provide solutions in power, irrigation, mechanization, silage and complete farming solutions.



THEO DELTA AGRICULTURE

AGRICULTURE DIVISION



Our Agro program includes:

- Manufacturing and trading the complete range of Agro implements
- Turnkey farm construction
- Silage
- Irrigation and water management projects
- Special power projects
- Electrical installations





THEO DELTA AGRICULTURE

AGRICULTURE DIVISION



TDA as well provides power solutions, especially tailored for agricultural use, from the traditional pump generator, to specialized hybrid and clean energy solutions to power irrigation, storage and refrigeration, and a range of farm mechanization needs, as well as electric installations for SCADA and complex irrigation systems management.



Other services we develop and manufacture for larger farm cooperatives and for large poultry and live stock farms, in partnership with Globomass LTD of Ireland, TDA manufactures Hybrid systems, as previously mentioned, and develops turn key Anaerobic digestion plants, to enable our customers to capitalize on different revenue streams.



THEO DELTA AGRICULTURE

IRRIGATION DIVISION



TDA, through its technology and service partners, Riegos de Levante and Agromasan located in the region of Murcia, combines 25 years' experience within the hydraulic sector.

Our first line of work was the global agricultural development projects, highlighting the irrigation technology, and the construction of automated greenhouses. But soon we diversified our work to water supply and sanitation, and all types of projects for filtration, desalination and water purification.

Our experience has enabled us to evolve with new technologies by offering our customers the design of the projects, installation and technical assistance required for the perfect functioning of the systems, giving priority to quality and good service.

THE EXTREME DROUGHT CONDITIONS OF OUR REGION, WHERE PRECIPITATION RATES ARE LESS THAN 300 MM PER YEAR, HAS LED US TO BE EXPERTS ON MANAGEMENT AND RATIONALIZATION OF WATER, USING THE WORLD LATEST TECHNOLOGIES IN IRRIGATION AND CLIMATE CONTROL.

THEO DELTA AGRICULTURE

IRRIGATION DIVISION

CUSTOMERS AND COMPLETED PROJECTS

Comunidad de Regantes Arco Sur
Comunidad de Regantes del Campo de Cartagena
Comunidad de Regantes de Los Alcázares
Juzgados de Agua de Orihuela
Comunidad de Regantes de Ningxia (China)
Comunidad de Regantes de La Mamudia (Marruecos)
Administraciones Públicas
Consejería de Agricultura y Agua de la C.A.R.M.

Office Régional de Mise en Valeur Agricole du Loukkos
(Marruecos)
Office National de l'Electricité et de l'Eau Potable
(Marruecos)

Fomento de Construcciones y Contratas (FCC)
Acciona Agua / Tedagua / Suez Environnement
Eurofinsa / HIDROGEA/ AQUALIA
Construcciones Iniesta / URDEMASA / COINSA
Centros de Investigación
Centro de investigación Escuela de Capacitación
Agraria de Torre Pacheco
Centro de investigación Escuela de Capacitación
Agraria de Lorca
Centro de investigación Grupo Seminis Vegetable
Seeds (El Albuñón)
Centro de investigación Cooperativa Surinver
(Alicante)



THEO DELTA AGRICULTURE

IRRIGATION DIVISION



Centro de investigación y desarrollo agroalimentario (CIDA) de la Consejería de Agricultura (Murcia)

Universidad de Cartagena

Universidad de Murcia

Universidad de Bucarest (Rumania)

THEO DELTA AGRICULTURE

IRRIGATION DIVISION



Our work focuses on the design, manufacture and marketing of all types of water treatment systems, covering automatic filtration for the protection and safety of hydraulic installations, depuration, desalination, ultra-filtration and other treatments.

THEO DELTA AGRICULTURE

IRRIGATION DIVISION



Our Automatic Equipment offers many advantages as:

- **MAINTENANCE:** Our self-cleaning filters do not have mechanism or worn parts, therefore they do not require maintenance nor replacement components. That is why they do not require maintenance or replacement.
- **FILTER ELEMENTS:** The effective filter surface of one of our filters is 5,583cm², 3 times more than any other of its competitors.
- **PERFORMANCE:** Selective filtration between 5 and 500 microns and 100% effective automatic retro-cleaning.
- **CONFIGURATION:** Easy and fast installation for brackish or difficult water applications.
- **MODULARITY:** They allow unlimited configuration and work with Nominal pressures of up to 16 bars.
- **CLEANING:** Our teams can retro-feed starting from 1.5 bars of pressure.
- **CONSTRUCTION:** Use of PN16 plastics and stainless steel.

The background of the image is a complex industrial structure. It features a dense network of vertical and horizontal pipes. Some pipes are painted a vibrant blue, while others are a deep green. The pipes are supported by a grey metal scaffolding system with various cross-braces and rungs. In the lower right foreground, two large blue pipe fittings are visible, one larger than the other, both pointing towards the viewer. The overall lighting is somewhat dim, with a cool blue color palette dominating the scene.

TDH

THEO DELTA

HYDRAULICS

THEO DELTA HYDRAULICS

HYDRAULICS AND PIPING



With a complete manufacturing and trading program, we aim to be a real one stop solution for water infrastructure

In partnership with Greater Cairo Foundries, and Boasting the largest water infrastructure DI plant in Africa, the Middle East

Producing to BSEN545 and ISO2531 standards
Fittings, fabricated pipes and specials from DN80 to DN2600
DI pipes from DN150 to DN800
Traded DI pipes from DN60 to DN2600
Valves from DN80 to DN1800



THEO DELTA HYDRAULICS

HYDRAULICS AND PIPING



TDH quickly became one of the most dynamic DI companies in the region, dominating supply in several countries in Africa and the middle east



With our geographical advantage, being near our most important markets, we can meet the pressing demands of on-sight material delivery, to all regional projects, presenting economic and logistical solutions, unavailable to any other supplier.



TDH also trades in HSAW and GRP pipes, as well as a variety of water and fluid transfer products, to compliment and complete our range of products and services, providing a one stop shop solution, wherever possible.

With our experience in all things tubular, and with our HSAW synergies, our EPC division, manufactures and supplies piling pipes for port projects, and mega projects with special site management solutions



THEO DELTA HYDRAULICS



IZMIR MARRAKECH
TAGHAZOUT DN700 PIPELINE



SPENCON – TANZANIA,
ZANZIBAR JIKA PROJECT



GREATER CAIRO FOUNDRIES
BOARD



IZMIR PORT PILING PROJECT –
JV EMEK BORU



IZMIR PORT PILING PROJECT –
JV EMEK BORU



AFYON – TURKEY 63KM
VARIOUS DIAMETERS



ORASQULIA ABU RAWASH
PROJECT (FCC ORASCOM JV)



IZMIR TURKEY – ISKI PROJECT



DN1600–1800 WADI BADR –
SUDAN



KATOSI UGANDA – STRABAG
GMBH



TDM

THEO DELTA 
MEDICAL

THEO DELTA MEDICAL

MEDICAL AND PHARMACY



A division still under development, and stemming out our Chairman and other promoters medical and pharma industries synergies.



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TDP
THEO DELTA
POWER

THEO DELTA POWER

ENERGY PRODUCTION SYSTEMS



Our flagship company, with our tradition of dynamism and cutting edge solutions, is our energy division Theo Delta Power.

TDP's **ATLAS NRG** facilities in Murcia Spain, produce customized energy production systems from 7KVA to 2500KVA, to the highest European standard, with aggressive pricing, economic and technological solutions, allowing TDP and its ATLAS NRG brand, a strong worldwide presence, with healthy exports to Europe, South America, Africa the Middle East and Asia.

One of TDP's unique strengths within this industry, comes from being focused on bespoke tailored energy solutions, that make us truly special in our field, and allow our customers special cost effective solutions, for their most demanding requirements, helping their own businesses grow stronger.

This includes a variety of containerized generating sets, towable generating sets and mobile power plants, synchronized power systems, Light towers and Moto-pumps.



THEO DELTA POWER

ENERGY PRODUCTION SYSTEMS



PRODUCTION PLANT

We manufacture the products in their entirety, starting by the designing and layout department, where the different designs are virtually created, offering great flexibility to customer demand; then it passes by the steel sheet processing sector with HD plasma cutting system, bending and welding of the base frame and canopy for its composition.



PRODUCTION PLANT

We have a department where all the control systems are manufactured, where all electro-technical assembly of the machines are performed. Finally, all products are finished in the assembly area, where the machines are tested with a load bank and measurement systems to ensure performance and quality of all energy production systems.

TDP-ATLAS NRG GENSETS



20KVA SOUNDPROOFED
GENSET



100KVA SOUNDPROOFED
GENSET WITH EXTENDED FUEL
TANK



250KVA SOUNDPROOFED
GENSET



30KVA SOUNDPROOFED
GENSETS



SERIES OF SOUNDPROOFED
GENSETS



OUTLET GRID OF A GENSET



CONTROL PANNEL OF A
GENSET WITH DSE7320
DISPLAY



ATLAS NRG PREMISES IN
MURCIA - SPAIN



EMERGENCY STOP BUTTON

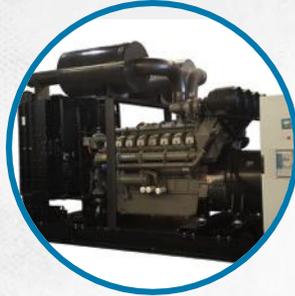


CONTROL PANNEL FROM
INSIDE

TDP-ATLAS NRG GENSETS



2250KVA OPEN TYPE GENSET



2250KVA OPEN TYPE GENSET



1000KVA SOUNDPROOFED GENSET



1000KVA SOUNDPROOFED GENSET



CONTROL PANNEL OF A 1000KVA GENSET



CONTAINERISED GENSET



CONTAINERISED GENSET



CONTAINERISED GENSET FROM INSIDE



630KVA OPEN TYPE GENSET



630KVA OPEN TYPE GENSET

THEO DELTA POWER

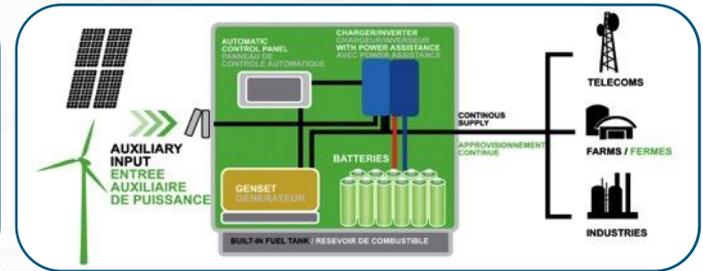
ENERGY PRODUCTION SYSTEMS | HYBRID SYSTEMS



We offer very special green Hybrid Systems for different applications.

Our hybrid models play a major role in many of our clients, operational requirements.

An easy to operate highly economic option, for intensive power requirements, the TDP-ATLAS hybrid modules, offer clean backed energy systems, to meet clients demands, from 15KVA to 275KVA.



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THEO DELTA POWER

ENERGY PRODUCTION SYSTEMS | HYBRID SYSTEMS



HYBRID SYSTEM INVERTERS



HYBRID SYSTEM

What is an ATLAS NRG Hybrid System?

The TDP-ATLAS NRG Hybrid System is a module created to assure continuous power production of electricity, efficient and sustainable for Telecoms, isolated areas where electrical networks are not reached or where power cuts are frequent.

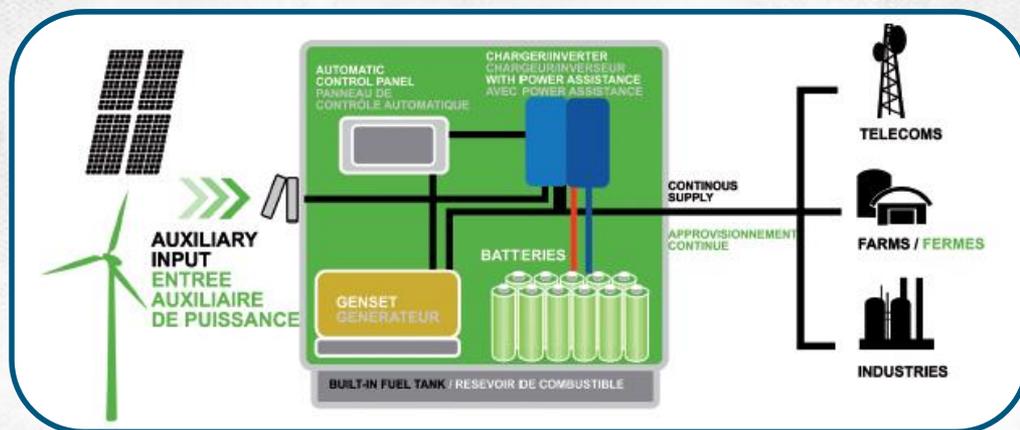
The Hybrid System consists of a Genset and batteries, and is optionally supported by renewable energies such as solar and wind power.

The Hybrid System is composed, in addition to the above, by the following elements:

- Chassis with stationary high-capacity batteries.
- Inverters-chargers.
- Electronic equipment that handles both the charging state of the batteries and diesel generator parameters.
- Diesel generator at 1500RPM depending on model.
- Large fuel tank capacity.
- Soundproofed equipment, thermo-acoustically insulated, designed to work outdoors, hosting all the above helping the transport and installation of the module.

THEO DELTA POWER

ENERGY PRODUCTION SYSTEMS | HYBRID SYSTEMS



In many countries there are countless homes, farms, health centers, schools, telecommunications systems, building sites, humanitarian aid missions or companies located in remote areas. Bringing electricity network to these places is in most cases technically or economically unfeasible and trying with self-sufficient homemade systems will often be more expensive and problematic than relying on a tested and widely contrasted system as the TDP-ATLAS NRG Hybrid System.

THEO DELTA POWER

ENERGY PRODUCTION SYSTEMS | HYBRID SYSTEMS



How does it work?

The functioning of the TDP-ATLAS NRG Hybrid System is totally automatic. Thanks to its efficient electronic equipment, the hybrid system runs at any time with the most convenient source of energy, optimizing fuel consumption and emissions without causing any interruption of power supply.

The TDP-ATLAS NRG Hybrid System can be supplied, as described earlier, by renewable sources (solar panels or wind turbines). This energy is stored in high-capacity batteries. Then this energy is converted and supplied at 230V or 380V-50Hz by an electronic equipment inverter.

When the energy demanded by the user is equal or less to the supplied by renewable energies or the power stored in batteries, the TDP-ATLAS NRG Hybrid System works without having to start up the Genset.

When the TDP-ATLAS NRG Hybrid System switches on the Genset it makes a by-pass so that all the energy required is obtained from the Genset without having to use the energy stored in the batteries, and while the Genset is running, the power generated is used for charging the batteries if necessary, and as the result of this, we obtain the highest energetic performance and fuel saving.



THEO DELTA POWER

ENERGY PRODUCTION SYSTEMS | HYBRID SYSTEMS



In which cases will the TDP-ATLAS NRG Hybrid System start the Genset?

- When a consumption pick of power is produced and the inverter-battery set is unable to supply such energy demand, in this case the Genset will run automatically and will stop seconds after the excess of power needed is completed.
- When the renewable energy is insufficient or nonexistent. In these cases the Genset will get started every time that the power of the batteries is emptied and only during the time for these to get reloaded again. Under normal conditions of functioning and without the supply of the renewable energies, the Genset will get launched and will be working until the batteries are fully charged.

Operating options for TDP-ATLAS NRG Hybrid System

Under request, the following modifications in TDP-ATLAS NRG Hybrid System are available:

- Possibility to control the Hybrid System through GSM and/or GPRS.
- Start and stop of the Genset in determinate hours.
- Start and stop of the Genset via mobile phone.
- Connections enabling the increase of solar pannels to be connected and/or wind turbines.

THEO DELTA POWER

ENERGY PRODUCTION SYSTEMS | HYBRID SYSTEMS



TDP-ATLAS NRG Hybrid System Advantages

- Single and three phase compact (all in one) Hybrid system.
- The impossibility of running out of power by the fact of offering minimum two sources of energy.
- The System is completely automatic to avoid manipulations.
- Reduction of the maintenance cost up to 80% approximately.
- Extended engine lifetime and maintenance intervals.
- Fuel savings of up to 80% or more depending whether other renewable energy system supports like solar panels or wind turbines are used.
- Extending the life of the Genset up to 300%.
- High autonomy. The Hybrid System is equipped with a large capacity fuel tank.
- Easy installation, TDP- ATLAS NRG Hybrid System can be used under inclemency conditions, as the result of this the installation costs becomes very low.
- Maximum reduction of the atmospheric (CO2 emissions) and acoustic contamination.
- Easy to transport.

TDP-ATLAS NRG HYBRID SYSTEMS



THEO DELTA POWER

AUTOMATION, INSTALLATIONS, MAINTENANCE AND REVISION



RECONCAR, S.L. is a company dedicated to the engineering, execution, operation and maintenance, and development of facilities in the following fields:

SOLAR PLANTS

MEDIUM AND HIGH VOLTAGE

LOW VOLTAGE / ENERGY EFFICIENCY

The Technical Department executes a study of the problems detected and their possible solutions, and then an agreement with the Administrations involved in the project are carried out and a complete presentation is made to the client.

THEO DELTA POWER

AUTOMATION, INSTALLATIONS, MAINTENANCE AND REVISION



RECONCAR is authorized to work with the central, autonomous and municipal administrations and has, in accordance with the current legislation, the following registrations and accreditations:

CLASSIFICATION

DEFINITION

I 01 D

Lightings, illuminations and spotlights

I 05 D

High voltage transformation and distribution centers.

I 06 E

Low voltage distribution.

I 08 A

Electronic installations.

I 09 E

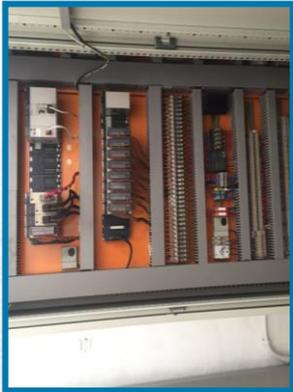
Electrical installations without specific qualification.

Furthermore RECONCAR is registered at Cartagena's City Council's archives as accredited contractor.

RECONCAR has also the following accreditations issued by the General Directorate of Industry, Energy and Mines of the Autonomous Community of the Region of Murcia, necessary for the development of its activity:



THEO DELTA POWER



TD

THEO DELTA TRADE



THEO DELTA TRADE

TRADING DIVISION



Aiming to provide complete solutions, wherever possible, we utilize our existing synergies and buying power, to trade in complimentary goods to the different sectors we service.

TDT covers a wide range of products in the Water, Agro and Power fields, includes HDPE piping, electric meters, transformers, tractors, sheet steel (API 5 spec), etc.





TDR

THEO DELTA 
RENEWABLE

THEO DELTA RENEWABLE

ENERGY EFFICIENCY



A joint venture was created between **Grupo Lebana**, and **Theo Delta, Trexcom SLA**, to develop and build clean energy. Focusing on solar power, and with experience in other forms of clean energy, such as Anaerobic Digestion (Biomass Energy), Solar thermal energy, Wind energy, and Electric cogeneration systems (CHP). Capable of taking on projects of any size and complexity, our EPC has a rich project reference list, with diverse projects in Europe, South America and Africa.

TDR-Trexcom has over 15 years' experience in the field of electrical installation and maintenance, backed up by a human team capable of meeting any need or request from its customers.



THEO DELTA RENEWABLE

ENERGY EFFICIENCY



SOLAR PARK



SOLAR INSTALLATION

TDR-Trexcom activities comprise a wide range of developments on electrical installations, which are implemented within different divisions:

- Industrial and tertiary
- Infrastructure
- Public lighting
- Transformer centers
- Electrical enclosures
- Transport and energy
- MV & HV overhead power lines, integrated transformer centers
- Local communication networks

THEO DELTA RENEWABLE

ENERGY EFFICIENCY

CUSTOMERS AND COMPLETED PROJECTS

- Obras y Servicios Públicos (Osepsa)
- Grupo Comsa Emte
- Würth Solar
- Fotona
- Cofely-GDF Suez
- Ayuntamiento de Cartagena
- Hermanos Inglés, S.A.
- Ferrovial
- Emcofa, S.A.
- Fotovoltaica Xperts
- Constructora y Urbanizadora J.A.L.
- Ploder Uicesa
- Syngenta Agro S.A.
- Estructuras Metálicas y Obras Civiles Segado, S.L.
- Metálicas Gomariz, S.L.
- Elecnor
- Alstom
- Ayuntamiento De Fuente Álamo
- Construcciones María García Martínez, S.L.
- Riegos Visan
- S.A.T. La Forja
- Infraestructuras Terrestres, S.A. Intersa
- Agromasan, S.L.
- Urdemasa
- Himoinsa
- Gran Solar
- PIH-Progetty
- Hansa – Huarte
- Sacyr
- Ferroamericana, S.L.
- Procam
- Adendia
- Auge – C.A.M
- Suzlon



THEO DELTA RENEWABLE

ENERGY EFFICIENCY

FLAGSHIP PROJECTS

- Huerto solar KOSOVO" de 5 MW- Bulgaria
- Huerto solar Peñaflor de 1 MW- Sevilla
- Huerto Solar FOTOJUMILLA" de 2,0 MW – Jumilla
- Huerto Solar EUROENERGIA DEL CIELO" de 2,5 MW – Jumilla
- Huerto Solar El Calar" de 1 MW – Alhama de Murcia
- Huerto Solar Gransolar Letur" de 0,732 MW – Hellín
- Huerto Solar LA OLIVA" de 1,5 MW – Tenerife
- Huerto Solar EFACEC" de 1,5 MW – Molina de Segura.
- Huerto Solar la CALAVERA" 2,5 MW- Alhama de Murcia.
- Huerto solar COOP. Almendras" 400 KW – Fuente Álamo.
- Huerto Solar "SOLAR XXI" 44 Mw – Panama
- Huerto Solar SOLAR VILLANUEVA DEL REY" de 1,5 MW – Fuente Álamo
- Edificio Consejería de Economía y Hacienda de Murcia" – EMCOFA, S.A.
- Huerto Solar Fuente Álamo" de 1,5 MW – GRUPO GRANSOLAR
- Huerto Solar Jumilla" de 2,1 MW – GRUPO GRANSOLAR
- Huerto Solar Jumilla 2" de 1,8 MW – GRUPO GRANSOLAR
- Huerto Solar Letur" de 0,732 MW – GRUPO GRANSOLAR
- E.D.A.R de la Aljorra" – UTE ACCIONA/OSEPSA
- E.D.A.R de Alhama de Murcia" – UTE ACCIONA/OSEPSA
- Cubierta PAVIMUR 1 y 2" de 200 KW" –GRUPO GRANSOLAR
- Polígono de Alhama de Murcia Cubierta de 32 + 40 KW" – ENEWTEC
- Instalación sobre cubierta El Algar de 80 KW" – ENEWTEC
- Instalación sobre cubierta La Hoya de 20 KW" – EURENER
- Instalación eléctrica aeropuerto internacional de la Región de Murcia" – SACYR
- Instalación eléctrica Tranvía de Murcia" – DENEQ-ENTE-SIEMENS
- Instalaciones de Media Tensión y Baja Tensión" – IBERDROLA
- Instalación de Media Tensión de Circuito de Velocidad de Fuente Álamo de Murcia"
- Fabrica de carrocería de grupos electrógenos" – HIMOINSA- Cartagena
- Huerto solar el Turbinto" de 2 MW-



THEO DELTA RENEWABLE

ENERGY EFFICIENCY



Biogas and digestate treatment plants

Our technology partner OKOTEC 2008, S.L. is a Spano German cooperation with Ökotec Anlagenbau GmbH

A leader in the biogas sector and with a large experience in the treatment of farming wastes and agroindustry, efficiently using anaerobic digestion, to produce energy and other revenue stream for our clients, include highly concentrated fertilizer, tipping fees and waste disposal.

The main target of OKOTEC 2008 is the study and application of processes and organic material treatment systems linked to the renewable energies.

TDR has completed projects successfully with Okotech, and have current live projects in Gaza–Palestine, Serbia and Equatorial Guinea

THEO DELTA RENEWABLE

ENERGY EFFICIENCY

Biogas and digestate treatment plants

DIGESTATE AND MANURE TREATMENTS

The Okotec2008 S.L. solution in plants of this size, includes the application of the final treatment to the fermented substrate. These treatments allow the recovery of products suitable for their direct use or for a later commercialization, between which they emphasize:

- High quality solid fertilizer.
- Liquid concentrate fertilizer.
- Water, for an industrial use, for irrigation or to be spilled out to public stream or river, if necessary.

Some of the treatments have been developed specifically by Okotec2008 in Germany, whose successful application to the purification of purins is totally innovative.



THEO DELTA RENEWABLE

ENERGY EFFICIENCY

BIOGAS AND DIGESTATE TREATMENT PLANTS



DIGESTATE AND MANURE TREATMENTS



THEO DELTA RENEWABLE

ENERGY EFFICIENCY

BIOGAS AND DIGESTATE TREATMENT PLANTS

PLANTS FROM 100 KW TO 10MW

BIOGAS GENERATION:

The process of digestion and biogas generation is developed in the digesters. According to the different input materials, the substrate temperature will be between 40°C and 45°C for about 22 days. Agitator and mixers placed inside the digesters are in charge to keep the suitable conditions of homogeneity in the substrate. The generated biogas is accumulated at the top of the fermenter, where it is developed, also, a process of decomposition of H₂S, that returns, in the form of sulphur salts, to the liquid substratum. In this way, the biogas leaves the fermenter ready to be processed in the co-generation power station, without danger for motors. This characteristic of the process of Okotec 2008 S.L. avoids the installation of expensive equipment of desulphuration.



QUESTIONS AND ANSWERS

Where we hope you'll find the answer to any question you may have about



Go ahead. Ask away.
Give us your best shot.

**THANK
YOU**
FOR WATCHING



GENTLY PLACE YOUR
ORDERS HERE!

