

**GLOBAL
ENERGY SOLUTIONS
PROVIDER**



**ASCOT INDUSTRIAL
COMPANY PROFILE**



**“ WE BRING ENERGY EVERYWHERE.
ENERGY IS OUR PASSION,
PASSION IS OUR ENERGY. ”**

Ascot Gensets are designed and manufactured by **Ascot Industrial srl**
Ascot Industrial srl is certified to
UNI EN ISO 9001:2015
UNI EN ISO 14001:2015
OHSAS 18001:2007



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MICHELE GRECA
CEO OF ASCOT INDUSTRIAL

«INNOVATION AND RELATIONSHIP ARE THE KEY FACTORS OF ASCOT'S SUCCESS»

Innovation is the first key factor of Ascot's success. Today our Hybrid Power System represents the leading technology for all industry needs especially for Telecommunications and Rural Areas. Ascot's latest hybrid solutions are equipped with Ascot Hybrid Power System: a complete technology consisting of Control logic, Solar, Wind, Batteries, LPG engine and Ascot Genset that allows Telecom operators to reduce DGS running hours from 24/7 down to 0 (in Solar-Battery mode). Each Telecom Power Solution is also equipped with "remote control", a web based and real time management system that allows to manage all energy sources.

The second key factor is Relationship. Our B2B Model allows Ascot to maintain a close relationship with our partner, listening to their requirements and providing them with exactly what they are looking for. This has built a high level of trust in the Firm's power products. In fact Ascot's first aim is to listen and respond to customers' needs, focusing on market trends, in order to develop new original solutions.

We do not have only customers. Ascot has a lot of Partners with whom develop together innovative solutions, efficient projects and enduring relationships.

MICHELE GRECA
CHIEF EXECUTIVE OFFICER



WELCOME TO ASCOT INDUSTRIAL



1) First Ascot Factory (1986); 2) Ascot Headquarters and Departments; 3) Production and Assembly Line; 4) Service & Warehouse.



**YOUR GLOBAL
ENERGY SOLUTIONS PROVIDER**

ASCOT INDUSTRIAL

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DISCOVER ASCOT PRODUCTS & SYSTEMS RANGE

ENGINE-POWERED | ECO-POWERED | HYBRID-POWERED



MADE IN ITALY



5 KVA - 40 MW POWER SOLUTIONS



Ascot 
Energy Everywhere



Ascot Headquarters and Factory
Gela (CL) Italy

GLOBAL ENERGY PARTNER



Ascot's success is proved by the presence of more than 35.000 installations all over the world. This shows that the market is looking for reliable and superior equipment, and that the tendency is to have high quality long-life products that can guarantee continuity of service without interruptions.

A network of agents, partners and service centers, is ready to support customers or potential buyers in solving their needs with professionalism and dedication focused on customer care.

TAILOR MADE PRODUCTION

Ascot's standard products can be easily customized by an in house team of highly skilled engineers with vast experience acquired during the last 40 years of activity, who can transform your needs into cost effective real solutions.

AREAS OF EXPERTISE

Generators, Hybrid gensets, and integrated Power Systems for:

Telecom, Mobile, Rural Areas, Civil-Industrial, Modular Power Plant & Special Solutions.



WELCOME TO THE WORLD OF ASCOT

WE TRANSFORM YOUR ENERGY NEEDS INTO EFFICIENT POWER SOLUTIONS

Ascot is an Italian manufacturing group operating internationally in the power energy sector mainly focused on the production of diesel generating sets, hybrid technologies & power plants, designed in accordance to customer specifications at varying climatic conditions. Originally established in 1986, Ascot has since expanded its presence in over 60 countries throughout **Europe, Africa, Middle East, Asia, Latin America and the USA.**

The "Ascot brand" is associated worldwide with high quality and reliability, tailor-made generating sets, long-life products, hybrid technologies, and special power solutions. Ascot's production is focused on Diesel, LPG & Natural Gas Generating Sets and on Hybrid Power Solutions for **Telecom, Mobile Generators, Rural Areas, Civil & Industrial and Modular Power Plants.** Ascot strives to maintain the highest standards of quality, manufacturing all products in Italy using 100% Italian and European components, standards and superior equipment.

TOP MANAGEMENT

The company was founded by **Mr. Luigi Greca** in 1985 and currently **Mr. Michele Greca** is the President and CEO of the Company.

CERTIFICATIONS

Ascot is an **ISO 9001, ISO 14001, ISO 18001** certified company. Since 1994 it has been the **First Italian Company** in this field to achieve this result.

SEMIOTICS OF THE ASCOT BRAND

The Ascot brand was initially created as an acronym of **Azienda Siciliana COstruzioni Tecniche**.

Similar to the DNA of an organism, it contains a vision of the future that is still valid today which is represented through its shape and colors and with this message it continues to head towards new objectives.

The shape and colors of the company were specifically chosen to represent and convey the company's character. Ascot was created in the center of the **Mediterranean**.

The quintessential Mediterranean environment full of sun, sea and aromas of the earth was what its staff grew up among.

Passions necessary to stubbornly face and win any kind of challenge were drawn from those typical surroundings.

Observing **nature**, Ascot has developed a predisposition for creating new technologies that simply reproduce the perfect mechanism of nature and harmony in the **universe** using **transparency** and **simplicity**.

Today, power is one of the most important and decisive resources for our planet.

Just like water and air, **power is one** of the elements that is essential for the balance of the Earth and it is indispensable that we conserve, respect and above all renovate it.

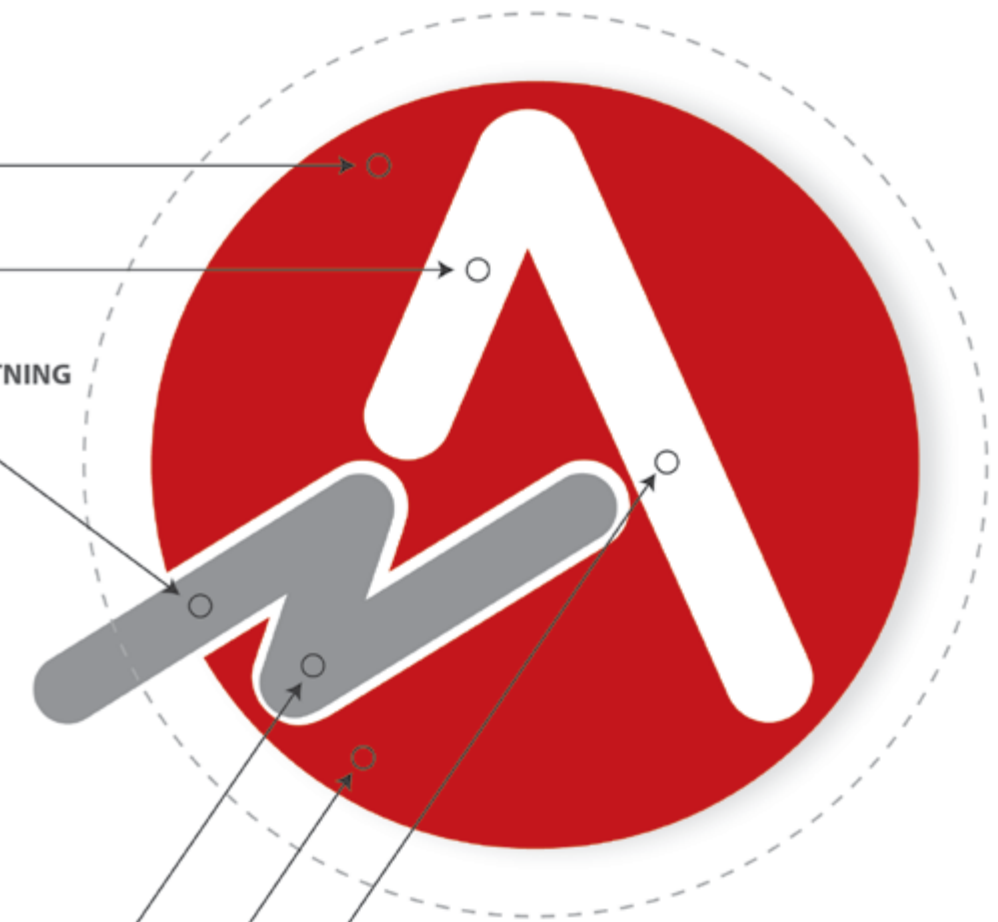
Ascot's mission, signed in its brand, is that of striving to favour the harmony of all the elements in which man needs to develop its civilization so that mankind produces power and also respects the environment in which it is being hosted.

THE SHAPE

- **THE CIRCLE**
represents the **Sun**
- **THE "A"**
represents **Ascot**
- **THE FLASH OF LIGHTNING**
represents **Power**

THE COLORS

- **GREY**
is **Technology**
- **RED**
is **Passion**
- **WHITE**
is **Transparency**



ASCOT GROUP: HISTORY, VALUES AND BRIEF OVERVIEW



Taking advantage of our multi-sectoral know-how, developed with almost 40 years of experience, the Ascot Group can Think, Design and Produce innovative energy solutions from compact and powerful hybrid Generators to large scale Energy and Water Projects (Power Plants, EPC and IPP) bringing the Group know-how to many sectors such as Defence, Oil & Gas, Power Plants, Pumping Water Stations and Wastewater Treatment Plants.”

« WE THINK, DESIGN AND PRODUCE INNOVATIVE ENERGY SOLUTIONS TAKING ADVANTAGE OF OUR GLOBAL AND MULTI-SECTORAL EXPERIENCE, CONSIDERING ALL CUSTOMERS' NEEDS. »



LUIGI GRECA
PRESIDENT AND FOUNDER OF ASCOT GROUP

THE GROUP EVOLUTION

| | | | | | | | |
|--|---|---|--|---|--|---|---|
|  |  |  |  |  |  |  |  |
| 1986 | 1993 | 1998 | 2003 | 2007 | 2013 | 2016 | today |
| Luigi Greca founds Ascot | Ascot is awarded in the Defence sector (China) | Worldwide Service Centers | Water Pumping Stations | Birth of the first Hybrid System for Telecom | A new Mobile generator for the emergency market | Hybrid Power Systems for Telecom or Rural Areas | Mini Grids and Storage Systems |
| Ascot's business started in a hut built out of steel tubes and zinc plated metal sheets on a plot of land bought by the owner near Gela. | The implementation of the Quality System NATO AQAP-110 and a contract with the Italian Ministry of Defence was obtained (1997). | After Milan and New York, Ascot opens a Service Center in Baghdad to reinforce its presence in the Iraqi and African markets. | The planning and building of thirteen electrical and pump centres in Sudan took place. | Ascot has launched in the Sudanese desert, the first-ever Hybrid Power Unit in the Telecom history. Still in operation today. | Ascot's Mobile generators are designed and realised in a wide power range: 30-2500 kVA ready-to-plug for modular and fast installations. | Ascot's new Hybrid Power System can reduce Genset running hours up to 90% and fuel consumption up to 100% (merging Solar and Battery together). | The Ascot Group designs and realizes modular and flexible Mini-Grid energy solutions up to 1 MW to power Telecom towers, Rural Villages and Off-Grid communities. |
|  |  |  |  |  |  |  |  |

THE STRATEGIC POSITIONING OF ASCOT INDUSTRIAL

Ascot Industrial through ideation, design and creation of innovative products and integrated power systems has defined a specific value proposition that involves **a new positioning**. In the graphic below it is clear to understand that Multinational companies produce standard products with High performance because they have standardized production, while the Local Assemblers have an acceptable Quality.

Ascot Designs and Manufactures Tailor-Made power generation systems with high-performances addressed to clients requiring exclusive products.

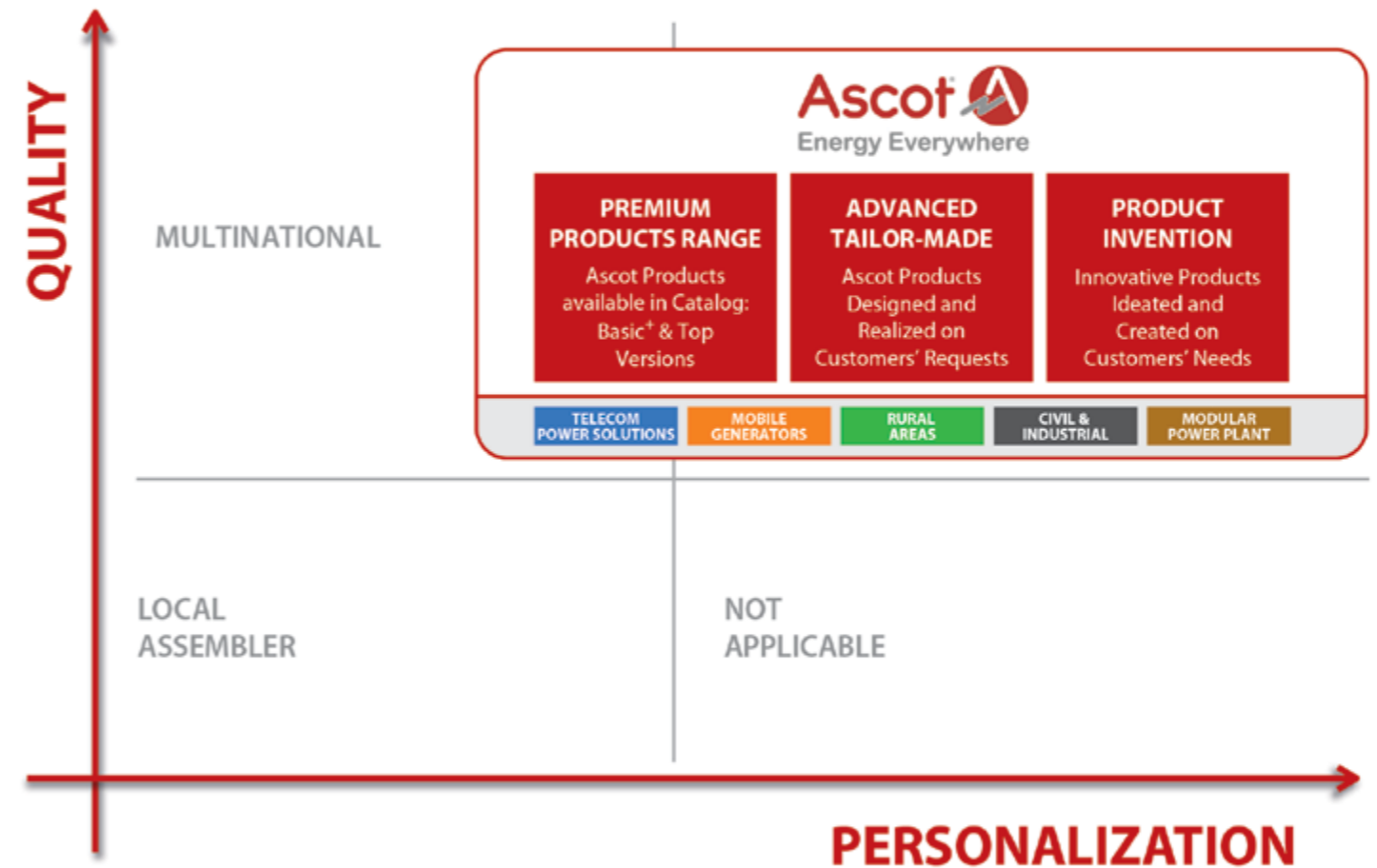
Every Ascot Product and System - realized at first as a "Special Solution" – after a standardization process, is contained today in a complete Products Range: Ascot offers **Premium products and systems** readily available as standard products for Telecom, Mobile, Rural Areas, Civil-Industry, Defence, Water Projects, Oil & Gas and Modular Power Plants and, in the meantime, the company offers the possibility to create new products (not yet existing) through the **Advanced Tailor-Made** and/or the **Product Invention process**.



« WHILST SOME OF OUR PRODUCTS MIGHT APPEAR SIMILAR TO ANOTHER, THE SOLUTIONS WHICH ASCOT PROPOSES HAVE BEEN STUDIED EVEN IN THE SMALLEST DETAIL TO MAKE A DIFFERENCE. THIS IS THE REASON WHY ASCOT PRODUCTS AND SOLUTIONS ARE BEYOND COMPARISON WITH OTHER STANDARD PRODUCTS.»

Myanmar: Special Dismountable Ascot Dc-Hpu (Semi Knocked Down) for Remote Areas

ASCOT DESIGNS AND MANUFACTURES TAILOR-MADE POWER HIGH-PERFORMANCE GENERATION SYSTEMS FOR: TELECOM, MOBILE, RURAL AREAS, CIVIL-INDUSTRY, DEFENCE, WATER PROJECTS, OIL & GAS AND POWER PLANTS.



CUSTOMER ORIENTED PROCESSES

FROM CUSTOMER NEEDS TO POST-SALES SUPPORT



« FROM A COMPANY ADVENTURE, ASCOT MEANS TODAY
AN ICON OF “DOING BUSINESS”.. »

ASCOT INDUSTRIAL HEADQUARTERS

Choosing an Ascot Industrial Product or System today means trusting an organization with almost 40-years experience in the international sphere, with a brand name which is synonymous for quality and reliability.

Choosing Ascot means not only acquiring a quality product, designed to function in different parts of the world but also a company which is able to satisfy all the customer's energy needs: with its network of partners and Service Centres all encouraging technological innovation, Ascot can offer support for its products throughout all their working life.

Ascot focuses a B2B Business Model where customers, partners and companies act as a unique team to reach a common objective.

Ascot Industrial guarantees competence, flexibility, and offers the best price for value for each solution realised.

Ascot Industrial has adopted a business model which is traditional but up to date, one which is based on the mutual respect of our relationship with the customer. In our business, we endeavour to build personal relationships with all our customers, establishing friendly and professional relations taking care of our customers' needs.

These are the professional values with which Ascot is inspired in the world today.

PRODUCTION PROCESSES AND TOP-QUALITY MATERIALS



LASER CUTTING - WATERJET CUTTING

The use of laser in the cutting process allows automation and precision necessary for the design of European galvanized steel while using of the waterjet cutting machines allows the automation of the soundproofing process (sound-proof material made of 100% Italian rockwool class 0).



TOP QUALITY CANOPIES

Ascot produces its canopies with the latest technology in painting, soundproofing and metal treatment methods and with 100% Italian top quality Components and Accessories: Automatic oven Painting System (Primarily Italian powdered), Fittings, Bolts, Handles and heat-resistant Electrical Cable.



ITALIAN ENGINEERS AND TECHNICIANS

Ascot's productions use 100% italian manpower respecting labour law and ethical codes. All products are: designed in Italy by Italian engineers; tested in Italy by Italian engineers with their validation and acceptance.



TAILOR-MADE GENSETS AND ACCESSORIES

Ascot Industrial is the ideal partner for designing and constructing personalized energy solutions, offering products and systems which look to the future, concentrating on strategic objectives identified with our customers. (pictured: special tailor-made silenced muffler)

ADVANCED TAILOR MADE AND INVENTION OF POWER SOLUTIONS

Ascot offers the possibility to create new Special Products and Systems for Telecom, Mobile, Rural Areas, Civil- Industry and Modular Power Plants.

Through the Advanced Tailor-Made and/or the Product Invention process Ascot analysed Customers' Requests and/or Needs and create a the new power solutions exclusively based on customer needs.

ASCOT R&D



Ascot R&D department designs Premium products, Special Solutions and, in the meantime, the company offers the possibility to create new products (not yet existing) through the Advanced Tailor-Made and/or the Product Invention process.

All our power solutions are equipped with Ascot Remote Control.

This innovative, flexible and intelligent system is able to monitor function and performances for power systems. It is web - based and easily accessible by a user-friendly interface that combines special monitoring capabilities and critical safety features. All the control panels are designed to comply with marine and hazardous area standards.

**ASCOT TAILOR-MADE APPROACH
ADDS VALUE TO EVERY
SINGLE PROJECT. THIS CONCEPT
DRIVES THE COMPANY
DESIGNING AND MANUFACTURING
ALL PRODUCTS TO CUSTOMER'S
UNIQUE SPECIFICATIONS.**



100 % MADE IN ITALY POWER SOLUTIONS

MADE IN ITALY CERTIFICATION

ALL ASCOT PRODUCTS AND SYSTEMS HAVE 100% MADE IN ITALY CERTIFICATE.

THEY ARE DESIGNED AND MANUFACTURED ENTIRELY IN ITALY, MADE WITH QUALITY NATURAL MATERIALS AND BASED ON THE COMPANY'S OWN PROJECT AND DESIGN. TESTED IN ITALY BY ITALIAN ENGINEERS WITH THEIR VALIDATION AND ACCEPTANCE;
BUILT ACCORDING TO TRADITIONAL WORKING METHODS, IN OBSERVANCE OF EMPLOYEES, HEALTH AND SAFETY STANDARDS.



ASCOT GROUP

Ascot Headquarters - Offices, Departments and Factory are located in Gela (CL) - Italy
EPC is located in Milan (MI) - Italy

Tailor-Made in Italy - Ascot's production use 100% Italian manpower respecting labour law and ethical codes

Technical Support - Ascot's Service Centers are equipped to provide support and assistance to customers and partners

Quality Control - Main International Certifications: ISO 9001 - OHSAS 18001 - ISO 14001 - NATO AQAP 110

ASCOT GROUP

ASCOT HEADQUARTERS
OFFICES, DEPARTMENTS AND FACTORY ARE LOCATED IN GELA (CL) - ITALY
EPC IS LOCATED IN MILAN (MI) - ITALY

TAILOR-MADE IN ITALY
ASCOT'S PRODUCTION USES 100% ITALIAN MANPOWER RESPECTING LABOUR LAW AND ETHICAL CODES

TECHNICAL SUPPORT
ASCOT'S SERVICE CENTERS ARE EQUIPPED TO PROVIDE SUPPORT AND ASSISTANCE TO CUSTOMERS AND PARTNERS

QUALITY CONTROL
MAIN INTERNATIONAL CERTIFICATIONS:
ISO 9001 - OHSAS 18001
ISO 14001 - NATO AQAP 110

MADE IN ITALY
www.ascotinternational.com

"ALL ASCOT PRODUCTS AND SYSTEMS HAVE CERTIFIED PRODUCTION COMPLETELY MADE IN ITALY USING 100% OF ITALIAN MANPOWER AND 100% OF ITALIAN AND EUROPEAN COMPONENTS."

TO RECEIVE THE CERTIFICATION EACH ASCOT POWER SOLUTION MUST BE:

- MADE AT LEAST BY 70% OF ITALIAN COMPONENTS AND 30% OF EUROPEAN COMPONENTS;
- DESIGNED IN ITALY BY ITALIAN ENGINEERS;
- TESTED IN ITALY BY ITALIAN ENGINEERS WITH THEIR VALIDATION AND ACCEPTANCE;
- MANUFACTURED IN THE RESPECT OF THE LABOUR LAW AND NOT USING CHILD LABOUR IN THE PROCESS.

ASCOT PRODUCTS

POWER RANGE
PRODUCTS: 0 - 2500 KVA
SYSTEMS: 0 - 40 MW
ECO, HYBRID AND ENGINE-POWERED
MADE-IN-ITALY POWER SOLUTIONS

100 % ITALIAN OR EUROPEAN ENGINES:
ITALIAN OR EUROPEAN MADE ENGINES, COMPLETE CONTROL PANELS (IP 55) AND ALTERNATORS WITH 3 YEARS WARRANTY

100 % ITALIAN COMPONENTS:
SOUND PROOF MATERIAL MADE OF 100% ITALIAN ROCKWOOL CLASS 0, PRESS/LASER CUTTING, EUROPEAN GALVANIZED STEEL

100 % ITALIAN ACCESSORY:
AUTOMATIC OVEN PAINTING SYSTEM (PRIMARY ITALY POWDERED), FITTINGS, BOLTS, HANDLES AND HEAT-RESISTANT ELECTRICAL CABLES

ASCOT PRODUCTS

Power Range - Products: 0 - 3000 kVA;
Systems: 0 - 40 MW. Eco, Hybrid and Engine-Powered Power Solutions

100% Italian or European Engines: Italian or European made Engines, complete Control Panels (IP 55) and alternators with 3 years warranty

100% Italian Components: Sound-proof material made of 100% Italian rockwool class 0, Press/Laser cutting, European galvanized steel

100% Italian Accessories: automatic oven Painting System (Primarily Italian powdered), Fittings, Bolts, Handles and heat-resistant Electrical Cables



CIVIL & INDUSTRIAL GENERATORS

SPECIFICALLY DESIGNED TO BE EFFICIENT



The "Ascot brand" is associated worldwide with high quality and tailor-made generating sets, special power solutions and hybrid technologies. Ascot strives to maintain the highest standards of quality, manufacturing all products in Italy using 100% Italian manpower and 100% Italian and European components, and standards.



SOUNDPROOF/OPENSKID GENERATORS

HEAVY RANGE GENERATORS

| DGS [kVA] | SOUNDPROOF/OPENSKID GENERATORS | | HEAVY RANGE GENERATORS | |
|-----------|--------------------------------|----|------------------------|------|
| | 8 | 10 | 500 | 3000 |
| | | | 590 | 3000 |
| | | | 625 | 3000 |

THREE PRODUCT LINES FOR EVERY ENERGY NEED

Ascot Industrial is the ideal partner for designing and constructing personalized energy solutions, offering products and systems which look to the future, concentrating on strategic objectives identified with our customers.

Experience developed over time and continuing research into innovative products, designed as a solution for extreme climates, have enabled us to offer exclusive solutions capable of optimizing our customers' investments and encouraging the best results for both parties (the win-win Ascot Approach).

Ascot offers a huge range of generators, designed and built to order, divided into three product lines: **Engine-Powered** Generators, **Eco-Powered** Energy Solutions, **Hybrid-Powered** Products and Systems.



ECO-POWERED ENERGY SOLUTIONS

Battery-based plug and play modules. The system is an all-in-one solution that integrate battery storage, controller inverter and remote control for fast connection to input (Grid/Solar/Genset) and fast connection to load (DC or AC loads).



HYBRID-POWERED GENERATORS

Ascot Hybrid-Powered Generators (Engine + Battery-based) are **all-in-one and plug and play** independent modules that generate and store the energy produced by engine. They can be connected to Grid/Genset or renewable to be 100% free from pollution.



ENGINE-POWERED FIXED AND MOBILE PRODUCTS

Ascot Engine-Powered Products represent a wide range of Engine-based Solutions (Diesel/LPG/NG), up to 3 MW, **ideal for Emergency, Oil & Gas, Industry and Civil needs.** They can be installed as a single module or connected in parallel.



WHILST SOME OF OUR PRODUCTS MIGHT APPEAR SIMILAR, THE SOLUTIONS WHICH ASCOT PROPOSES HAVE BEEN STUDIED EVEN IN THE SMALLEST DETAIL TO MAKE A DIFFERENCE. THIS IS THE REASON WHY ASCOT PRODUCTS AND SOLUTIONS ARE BEYOND COMPARISON WITH OTHER STANDARD PRODUCTS.

Ascot Industrial

Markets & Power Solutions Range



Telecom & Data Centers
Power Solutions



Civil & Industrial
OpenSkid and Soundproof



Mobile Generators
for Emergency



Defence
Special Power Solutions



Oil & Gas
Special Generators



Power Plants
Hybrid & Modular



Rural Areas
Eco-powered & Engine-powered



Water Projects
Water Pumping Stations



POWER SOLUTIONS SPECIFICALLY DESIGNED FOR CELL SITES & DATA CENTERS APPLICATION

Premium Generators for cell sites are specifically designed to respond to the needs of the telecom sector. The continuous co-operation of the ASCOT team working alongside the most important telecom operators, had the result to realize customized solutions for most cell site configurations with the best cost/efficient CAPEX & OPEX.

Ascot is the ideal partner for designing and constructing **personalized energy solutions**, offering products and systems which look to the future, concentrating on strategic objectives identified with our customers.

THE LEADING HYBRID
 TECHNOLOGY TO POWER CELL
 SITES AT VERY LOW OPEX;
**68% FUEL SAVINGS CAN BE
 ACHIEVED COMPARED TO A
 TRADITIONAL DIESEL
 GENERATOR.**



Since 2007, Ascot DC-HPU guarantees best performance in market regarding **OPEX** and **CAPEX** expenses reduction.

Today the **Ascot Hybrid Power System** is a complete and flexible solution that permits up to 100% fuel savings (in battery mode), as it combines Generators (Hybrid, DC or AC) with PV Panels, Batteries and/or Electrical grid (if present), employing the cheapest energy source available at that moment.



SOLAR AND NATURAL GAS FOR TELECOM

Ascot Hybrid Power Systems represents the best way to use Solar Power keeping at the same time a "Cistern for Energy" constantly filled up. The using of Naural Gas permits moreover to reduce fuel expences using clean energy to respect and to preserve the environment.

RELIABLE POWER SOLUTIONS FOR CIVIL & INDUSTRIAL APPLICATIONS

High performance solutions for any civil or industrial application. For each configuration we can offer a **specific energy solution with the best cost/efficient CAPEX & OPEX**. AC genset have been designed using components that represent the latest technology in the field of energy efficiency. Ascot generators are equipped with engines which ensure the lowest fuel consumption and gas emissions. It can be used to supply energy continuously, for peak shavings or in emergency in industrial, commercial and residential sectors.

With **compact and easy-transportable** design the gensets are supplied "ready to start", complete with all the necessary equipment & fully operational upon delivery for immediate installation. All the generating sets are manufactured using the **highest quality technology** available in the market in accordance with UNI EN ISO 9001 regulations.



**ALL THE GENERATING SETS ARE
MANUFACTURED USING
THE HIGHEST QUALITY
TECHNOLOGY AVAILABLE IN THE
MARKET IN ACCORDANCE WITH
INTERNATIONAL TECHNICAL AND
SAFETY REGULATIONS**



OPENSKID GENERATORS

High performance openskid solutions designed for any application that requires the installation inside the facilities.



SOUND-PROOF CANOPY GENERATORS

Diesel generators are designed to work for continuous duty in extreme environmental conditions.



ASCOT GUARANTEES THE ENERGY SUPPLY IN ANY EMERGENCY SITUATION ENSURING THE CONTINUITY OF ENERGY

MOBILE DIESEL GENERATORS FOR POWER ON WHEELS

Ascot Industrial proposes a **complete portfolio of Mobile and Fixed Generators** for several applications. Belonging to this sector generators realized for Electric Companies, Mass Event, Civil and Security departments, Rental Sectors, etc.

The Emergency Power Generators are designed for power Utilities (ie. **Factories, Buildings, Hospital, Mall** etc.) in case of high demand, power cuts of the National Grid or to be used in conjunction with the National Grid in Peak Shaving (supplying energy up to 2,5 MW, in dual mode)

The “Ascot brand” is associated worldwide with **high quality and tailor-made generating sets**, special power solutions and hybrid technologies. Ascot strives to maintain the highest standards of quality, manufacturing all products in Italy using 100% Italian manpower and 100% Italian and European components, and standards.



**ASCOT'S MOBILE GENERATORS
PROVIDE OUTPUT RANGING FROM
25 TO 1800 KVA IN DUAL VOLTAGE
(LOW AND MEDIUM) AND IN DUAL
FREQUENCY (50/60 HZ).**

UP TO 2500 KVA IN DUAL-MODE



PEAK SHAVING AND STAND-BY

Ascot Generators can be easily transported and they can be connectable in parallel to increase power demand. They can also have Peak Shaving Function or working as Stand-by to the mains.



TAILOR-MADE

Ascot Generators are fully equipped: they can be sound-proof, with special filters, equipped with different battery powers, and even different colors.



MAIN FEATURES

- FREQUENCY 50/60 Hz
- DUAL VOLTAGE SWITCH
- SUPERSILENT ENCLOSURE
- MOTORIZED CABLE REELS
- SYNCRONIZING AND CONTROL PANEL
- MODULES CONNECTABLE IN PARALLEL
- PEAK SHAVING FUNCTION

ADVANCED TAILOR-MADE GENERATORS FOR MIL-STD APPLICATION

The Military sector is always interested in sturdy generator sets designed with **high standards to withstand harsh and critical conditions**. Ascot, thanks to the specific know-how acquired directly in the field, is the ideal partner for any defence projects and it is able to develop new solutions within a short timeframe.

ASCOT provide also Hybrid Power Solutions designed to supply continuous power to different type of systems such as border controller equipment, data transmission equipment, navy apparatus etc.

Ascot offers the possibility to create new **Special Products and Systems for the Defence sector**, according to MIL-STD.

Through the Advanced Tailor-Made and/or the Product Invention process Ascot analyses Customers' Requests and/or Needs to create new power solutions exclusively based on customer desires.



The **H-Cubic** is an integrated plug & play hybrid system designed to be directly plugged @ -48 Vdc to Temporary TLC Sites. Due to the specific shape, dimensions and weight, the H-Cubic can be easily transported in a van when a Portable and Plug & Play Energy Source is required.



SUBMARINE BATTERY CHARGER

Ascot offers fixed and mobile battery charger to smoothly recharge the submarine batteries when this is at rest and positioned alongside port or during maintenance period.



MOBILE BATTERY CHARGER

Special Mil Trucks such as Tanks and Rocket launchers utilise single or dual ASCOT MIL Gens sets. This is specially built to withstand the most critical environmental conditions.



WE DESIGN AND MANUFACTURE SPECIAL TAILOR-MADE POWER GENERATION SYSTEMS WITH PERFORMANCES ADDRESSED TO CLIENTS REQUIRING EXCLUSIVE PRODUCTS

SPECIAL GENERATORS FOR ON-SHORE AND OFF-SHORE APPLICATIONS

Ascot's aim is to supply special solutions for specific Oil & Gas requirements, endowed with gen sets configured in terms of fire prevention, acoustic features, ATEX and blast requirements. Ascot's strength is the focus on custom-designed power solutions tailored to meet customers' request.

Ascot provides **Premium Quality solutions, complete and reliable power systems** designed and manufactured for onshore, offshore and drilling applications.

More than 30 years of experience have made Ascot the leader as an energy solutions provider especially in all strategic sectors where a non standard design is required. Ascot petroleum generating sets are built to provide **reliable, efficient service even under extreme conditions.**

All the power solutions are flexible and modular: the base module covering a range from 15 kW to 2000 kW can work as stand alone or in synchronized mode. They are completely assembled and **ready to plug and play and can be easily transported.**

Ascot provides **Premium Quality Power Solutions**, complete and reliable power systems designed and manufactured for onshore, offshore and drilling applications.



SPECIAL PROJECTS

Ascot offers a comprehensive range of mechanical and electrical options for all generating sets in accordance with European Standards.



PREMIUM QUALITY PRODUCTS

Ascot accuracy is guaranteed during the manufacturing stage through to the testing and commissioning phase ensuring high quality standards.



WE PROVIDE PRIME, STAND BY, EMERGENCY AND CONTINUOUS POWER SOLUTIONS FOR ALL ONSHORE AND OFFSHORE APPLICATIONS

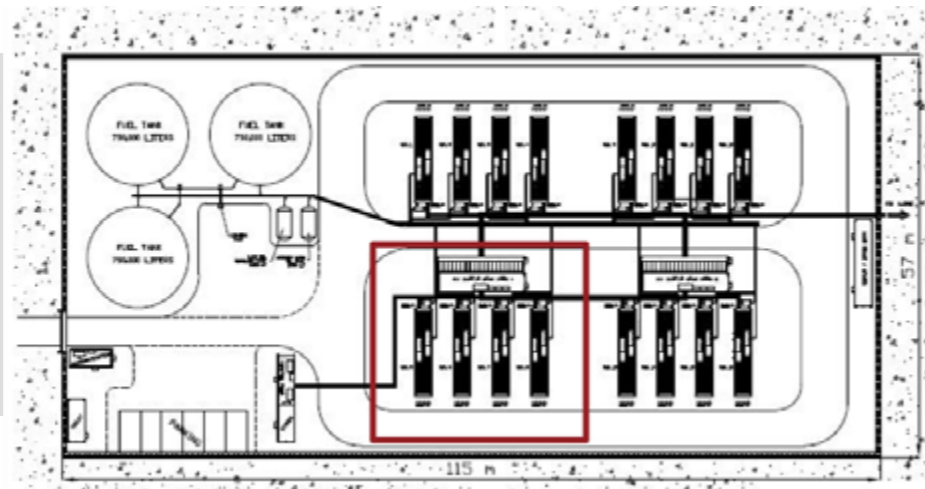
MODULAR POWER PLANTS UP TO 40 MW

Ascot Modular Power Plants have been designed to meet the market demands for **FAST INSTALLATION** and execution of works. Manufactured in Mobile and Fixed modules their characteristics make them suitable for all types of applications.

EASILY INSTALLED on site, they can work in synchronized configuration between the modules and/or with the grid. The modules can be connected to operate power plants from 2 to 40 MW and higher.

The power module has been designed to meet the demand of **fast installation and execution of works**. Immediately ready to start when connected, it operates completely independently once positioned on the ground.

Ascot Power Modules are manufactured by Ascot specifically for Power Plants. They can be easily transported in completely assembled configuration to be ready to start immediately on the job site, without any specific transport limitation.



CONTROL MODULES

The connection between "Power" and "Control Module" occurs through special, fast plug and play connectors working at high voltage to satisfy the demand of efficient mobility of the modules from one site to another.



POWER MODULE

The complete and independent Power Modules have a Power Range between 1 and 2 MW and are installed in a 40 feet standard container.



**ASCOT GUARANTEES THE ENERGY SUPPLY
IN ANY EMERGENCY SITUATION ENSURING THE
CONTINUITY OF ENERGY**

CONTINUOUS POWER SOLUTIONS FOR RURAL AREAS

Ascot Industrial is an energy solution provider that proposes a complete portfolio of power solutions specifically designed for Rural Areas application such as: AC Generators, DC Generators, Hybrid Generators and Integrated Hybrid Power Systems.

Belonging to this sector are **special power solutions designed and realized to supply energy to off-grid communities**, to utilize renewable energy sources and to reach remote areas thanks to Completely and Semi Knocked Down generators (CKD & SKD).

Ascot proposes a complete range of power solutions as Energy Provider (as the Company realize Micro-Grid for rural communities, from 50 kW up to 1 MW) and as Manufacturer of hybrid power systems (up to 60 kW) for single utilities such as **BANKS' SECURITY, SMALL FARMS, ISOLATED VILLAS, REMOTE OFFICES, HOSPITALS, ETC.**

Hybrid, AC & DC Ascot Generators for Rural Areas are specifically designed and manufactured to be delivered and deployed everywhere in the world. The **strong and modular design** allows to dismantle the generators in to small parts, that are easy to carry with unusual means of transport, to be re-assembled as originally built in factory.



**ASCOT ECO-POWER BOX:
THE SIMPLE AND VERSATILE
SYSTEM TO STORE ENERGY
THAT GUARANTEES
CONTINUITY, SECURITY
AND FUEL SAVINGS
UP TO 100%**



Power Range:

- Storage Systems
- Mini Grids up to 1 MW
- Hybrids Generators - 5-35 kVA
- AC & DC Special for Rural Areas
- Hybrid Power Systems up to 60 kVA

The Eco-Power BOX is an energy storage system designed to supply power to the AC load when the primary source is not available (mains or genset). It is a fairly simple and versatile system able to guarantee continuity of service during the off-grid time and to reduce the operating hours of a generator set used as back up/primary source. Inputs for solar charger controllers are available to charge the batteries from a PV system if it is present.



POWER PLANTS AND WATER PUMPING STATIONS

Ascot Projects for Irrigation are mainly addressed to Governmental entities and are typically implemented for the Ministries of Agriculture & Forest, Irrigation, Water & Resources, etc.

The success of the projects is determined by a strict process of Engineering guided by well determined Consultants, followed by an accurate Purchasing of selected components, till to the final Construction done in cooperation with local contractors.



PUMPING STATIONS

Generators are specifically designed to supply power to the pumping stations which in turn ensures uninterrupted water supply to the villages located in remote areas.



POWER MODULES

Independent Power Modules have a Power Range between 1 and 2 MW

| PUMPING WATER STATIONS | | |
|------------------------|---------------------|---|
| POWER PLANT | MW | 3 - 8 |
| PUMPING STATION | m ³ /sec | 6-16 |
| LOCATIONS | City | SUDAN: GANDATO, MUKABRAB, EL DAMER, TAYIBA, MIKELAB, KELI, EL DAWAB, SINNAR, ABOUSLAIM, MIDIENI |

WE PROVIDE POWER PLANTS & PUMPING WATER STATIONS FOR AGRICULTURE AND IRRIGATION APPLICATIONS

POWER SOLUTIONS FOR MINISTRIES OF AGRICULTURE & FOREST, IRRIGATION, WATER & RESOURCES, etc.



WORLDWIDE PARTNERS

CASA ASCOT USA



ASCOT TECHNOLOGIES
(MILANO - ITALY)

ASCOT HEADQUARTERS
(GELA - ITALY)

CASA ASCOT SUDAN



CASA ASCOT NIGERIA



CASA ASCOT ARABIA



CASA ASCOT UAE

CASA ASCOT ASIA



PRESENCE IN MORE THAN 60 COUNTRIES

INTERNATIONAL NETWORK AND EXPERIENCE

Ascot is present in more than 60 countries in Europe, Africa, Middle East, Asia, Latin America and the USA. Here **our sales network and service centers** are equipped to provide support and assistance to potential customers and partners.

We know how important it is to build a good reputation and to receive positive feed-back from our partner countries. We, therefore, use our energy and passion in a daily basis to best serve our customer-partner network.



ASCOT SERVICE CENTERS
ARE A GLOBAL AND
SPECIALIZED
TECHNICAL NETWORK

TECHNICAL SERVICE CENTERS

A Centralized Service Center based in Italy coordinates the Node Service Centers located in strategic locations globally distributed. Through those "nodes" a well-connected network of **Ascot-Partner Service Centers** is controlled and managed to ensure specialized and high quality maintaining for all the Ascot products.

Ascot Service includes:

- On-Site Service Center
- On-Site Specialized Team
- On-Site Spare parts availabilities
- On-Site Training Courses
- Ready Network of Service Technicians

ON LINE SUPPORT 24/7

Our web platform allows to communicate a malfunction in real time 24/7 and it represents first aid to solve technical breakdowns or uncommon performances.

SPARE PARTS INTERNATIONAL DISTRIBUTION

Ascot ensures all products for a minimum numbers of years (depending on model and power solution). If a spare part is required under Ascot-Warranty Certificate, our network will provide it's delivery and installation in a brief period of time (indicated in each contract).

SPECIALIZED TECHNICIANS FOR ON SITE ASSISTANCE

Our network of Ascot Flying Doctors are specialized technicians ready to support our customers directly on their sites. They can solve technical problems and communicate outcomes to the nearest Ascot Node Service Center.

ON SITE SUPPORT SPARE PARTS & TECHNICAL TRAINING



TECHNICAL TRAINING

Ascot Training courses are planned to transfer technical know-how to local technicians.



ASCOT SPARE PARTS

Original Ascot Spare Parts ensure best performance for Ascot Power Solutions. A correct maintenance ensures all performances indicated in the supply's contract.



ASCOT IN KHARTOUM:
OPENING IN 2004 OF ASCOT SERVICE CENTER



ASCOT SUDAN:
CASA ASCOT AND SHOWROOM

REMOTE CONTROL COMPLETE SYSTEM MANAGEMENT

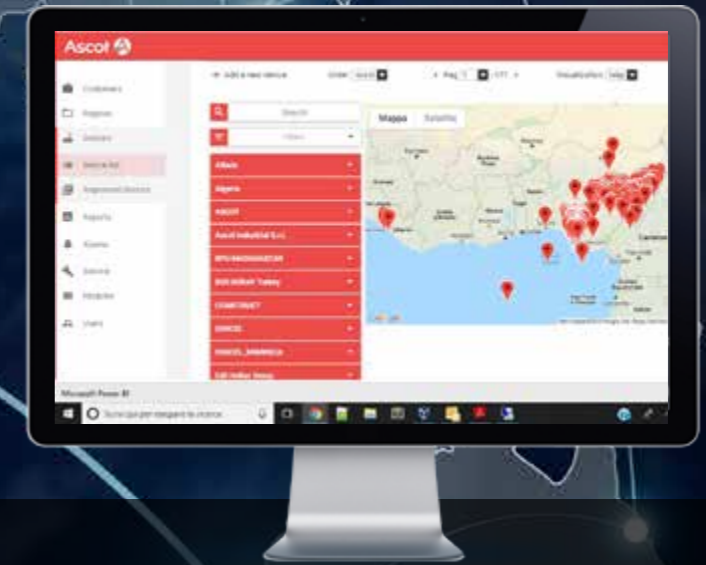
WITH REAL TIME WEB-BASED m2m TECHNOLOGY



«THE REAL TIME USER FRIENDLY REPORT TO CHECK ALL PERFORMANCES OF SINGLE OR MULTIPLE MACHINES»



REAL TIME GPS LOCALIZATOR



Ascot's Remote Control is a Remote Management System (RMS) that monitors continuously all relevant parameters of the system and manages all the hybrid/generators spread out in the territory.

The information is collected by the modem and it is stored in the internal memory. Through a laptop or mobile device connected to the NET, you can monitor and manage all the data, including start, stop and reset functionalities, without installing a specific software.

The remote controller is transmitted to the web by a local area network (LAN) protocol/ RS485 or by 4/5G

modem with dual sim. Data collected are transmitted to the web and accessible in www.ascotremotecontrol.com portal which provides power monitor, control data analysis and management function across an entire network of sites.

- GPS POSITION
- REAL TIME ALARM COMMUNICATION
- REAL TIME USER FRIENDLY REPORTS
- TREND GRAPHS



MULTI USER ACCESS



REAL TIME ALARMS



PERFORMANCE GRAPHS & REPORTS



GPS MAPS

STATUS



ALARMS

| Date | Alarm | State |
|-------------------|----------------------|-------|
| 18/09/14 12:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 11:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 10:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 09:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 08:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 07:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 06:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 05:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 04:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 03:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 02:11:42 | WARNING_ALARM_ACTIVE | OK |
| 18/09/14 01:11:42 | WARNING_ALARM_ACTIVE | OK |

PERFORMANCES



REPORTS ON-THE-FLY



QUALITY CONTROL

“WE CONSTANTLY COMPLY WITH REQUESTS FOR COLLABORATION WITH CUSTOMERS, COMMITTING OURSELVES TO A NEVER-ENDING PHILOSOPHY OF IMPROVING EVERYTHING WE DO”

IN PURSUANCE OF TOTAL QUALITY:

- We are totally committed to obtaining and maintaining a policy of zero tolerance regarding design flaws throughout our product and service range
- We are a Total Quality-Oriented company, with continuous Improvement programmes, adhered to by all our staff, thus ensuring the very best products and services for our customers
- We strive to provide quality products, the result of reaching high levels of performance
- We offer training courses and personalised programmes to our customers so that they will be able to safeguard their acquisitions throughout their entire life-cycle
- We develop solutions to challenges and innovative applications in improving the quality of products already in use.



ISO 9001 - OHSAS 18001
ISO 14001 - NATO AQAP 110



In 1994 Ascot was the first Italian company in the energy sector to obtain a UNI EN ISO 9001 Quality Certification. And thanks to the NATO AQAP 110 Certification, Ascot can design and construct, independently or as part of a joint venture, generators for military applications with the larger producers in this sector.

MAIN REFERENCES

ASCOT'S "LET'S GO" POLICY

IT CONSISTS IN GETTING TO KNOW AND UNDERSTAND THE DEMANDS OF THE ENVIRONMENT WHERE OUR PRODUCTS WILL BE INSTALLED, BECAUSE EACH REQUIRES SPECIFIC APPLICATIONS AND DIFFERING SOLUTIONS TO LOCAL CHALLENGES.



WHY YOUR COMPANY/GROUP HAS CHOSEN ASCOT SOLUTIONS?

- "Because of their identification and awareness of our customers' needs"
- "Because Ascot is a flexible company with an open mind"
- "Thanks to the direct matching between customer and partner"
- "They have Project Teams specialized in designing new products (tailor-made)"
- "Because of the evaluation of improved benefits/cost solutions"
- "Because Ascot Quality Control creates high performance products"
- "They Respect product delivery times"
- "They have a Flexible approach and a Made-in-Italy production"
- "Ascot's construction of a customer-oriented after sales service"
- "Every Power Solution is a specially grown process"

Energy Everywhere Energy Everywhere

GENERATING SETS
HYBRID GENERATORS
MOBILE SOLUTIONS
STORAGE SYSTEMS
POWER PLANTS



MOBILE &
FIXED GENSETS



OFF-GRID
ISLANDS &
VILLAS



TELECOM



WATER
PUMPING
STATIONS



DEFENCE



CIVIL &
INDUSTRY



RURAL
AREAS



HYBRID
POWER
PLANTS



OIL & GAS



SPECIAL
SOLUTIONS



MODULAR
POWER
PLANTS



CO-
TRIGENERATION
SYSTEMS



**“ WE BRING ENERGY EVERYWHERE.
ENERGY IS OUR PASSION,
PASSION IS OUR ENERGY. ”**

Follow Us!



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