



■ consulting • design ► distribution of electrical systems

MOVING ENERGY



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Foreword by the Managing Director



We create ideal solutions for energy supply according to your special guidelines.

Martin Endres
Managing Director

ENERGY MOVES US MECO MOVES ENERGY

The world needs more and more energy each day. Besides the environmentally and sustainable generation of energy, the effective and efficient energy supply gains increasing importance. Not only hospitals, airports or universities need a safe and reliable power distribution.

Energy is everywhere and energy is everywhere indispensable.

In order to offer you a maximum in reliability and security of supply, MECO ELECTRIC exclusively cooperates with selected and considerable manufacturers. It is self-evident for us, offering you turnkey projects from one source.

Clients will benefit from our excellent network of partnerships, as well as from the hereof resulting vendor independence. This enables us to meet your individual demands at the best, both in technical and in economical respects.

We offer manufacturers and merchants of electrical industry products the possibility to participate in national and international projects of MECO ELECTRIC. The focus of these activities is on Europe, the Near and Middle East, the United Arab Emirates, as well as African States.

The Company

Company MECO ELECTRIC was founded in 2007. Our activities range from consulting, design and conception to delivery, mounting and maintenance of medium-voltage and low-voltage switchgears, transformers and UPS-plants, as well as all kinds of electrical installation material.

We can revert to a wide experience of more than 30 years in the field of low- and medium-voltage engineering. Due to our comprehensive product and market knowledge, long-lasting business relations and our extensive national and international contacts, we are always the right partner for your projects.

In each phase of your project MECO ELECTRIC carries over broad activities. Especially order planning, consulting and processing. Order planning occurs according to your special demands as a client, like e.g. country- and market-specifics, inspection requirements etc. The project processing up to initiation of delivery and shipment of your equipment will be taken over completely.

Due to our vendor independence, we are able to find the right supplier for each phase of your project, professional and at optimal costs. A cooperation with MECO ELECTRIC offers you the possibility, to reduce numerous and tedious activities for initiation and agreements, especially in comprehensive projects.



Quality Management

ISO 9001:2008 CERTIFIED

From the beginning it was our aim to offer our customers a maximum of flexibility and productivity by innovative products and concepts at any time. In order to assure this, customer-oriented processes are at the centre of our business activities.

Introducing a quality management system was just the logical sequel and the logical consequence. Thereby we aim at improving internal processes and procedures, so that our customers can benefit from the resulting added value.



Mission and Vision

MISSION

Energy moves us - MECO moves energy

It is our aim to offer our customers a maximum of flexibility and productivity by innovative products and concepts at any time. Due to our vendor independence we are able to meet your individual demands at the best, both in technical and in economical respects.

VISION

We will also react to the increasing demands of the markets at any time in the future, to come up to our standard of the highest possible flexibility and customer satisfaction. Especially in the international context we want to contribute to minimize our customers' market risks and uncertainties.

Our Services

COMPLETE SOLUTION FOR POWER SUPPLY

- From medium-voltage-switchgears, over ready-for-use transformer stations, up to individually designed low-voltage main-distributions.
- Project design, planning, delivery assembly and startup of all components in the power supply area, including gateways to process control.
- Remodelling, deconstruction, modernization and maintenance of electro-technical systems.
- Delivery and assembly of emergency power systems, generator sets and UPS-units including network-analysis and network-calculation.

DIVERSITY IN THE LOW-VOLTAGE RANGE

- We offer a wide range of low-voltage cabinets with switchgears and devices of several manufacturers, so we keep our independence and assure you the best technology for your project.
- Typetested or partially typetested low-voltage-switchgears according to VDE 0660 / Teil 500 (IEC 439-1).
- Rated currents up to 8000A.
- MCC plug-in technology for highest availability.
- Inner subdivision of the cabinets, from 2, 3a, 3b, 4 and 4b. Special solutions also with busbar crossover (typetested system).





FLEXIBILITY IN THE MEDIUM-VOLTAGE RANGE

- We deliver medium-voltage components made by several manufacturers. In this way we can find the optimal solution for your project.
- MV-cabinets up to 72kV.
- Cabinets including switch-disconnector or circuit-breaker as fixed or plug-in module.
- Air- and SF6-insulated cabinets as side-by-side mounting or compact unit.
- Gateways to process control (GLZ,ZLT).

THE RIGHT VOLTAGE WITH TRANSFORMERS

- We deliver medium-voltage transformers in several designs, including equipment and connection to the low- and medium-voltage environment.
- Three-phase current transformers up 24kV.
- Oil-Transformers with expansion box or in hermetic version.
- Cast-resin transformers, also with blower for uprating.

SAFE ENERGY DISTRIBUTION WITH EMERGENCY- AND UPS-SYSTEMS

- We offer emergency power systems for back-up and peak load.
- Complete solutions according to VDE 0107, 0108, DIN 6280 respectively ISO 8528.
- Application of motor-generator combinations by several manufacturers.
- Static and dynamic UPS-units.
- Current transformers.
- Emergency power systems in combination with photovoltaic and wind power plants.

CABLING FOR THE PERFECT CONNECTION

- We take over the calculation and dimensioning of energy distribution systems.
- Medium-voltage cables up to 20kV.
- Low-voltage cables including connectors.
- Cable fittings and conduit systems.
- Fire protection technology.
- Busbar systems.
- Measurement and testing of cable systems.

Creating Value

CONSULTING	It is our aim to provide turnkey projects from one source. Our consulting services range from design, assembly, modification, integration, as well as deconstruction of energy systems of all kinds. We can also provide you advice concerning development of foreign markets, up to the detail consulting for large orders.
DESIGN	Our project solutions are customized and individual fitted to the different demands of our customers. Besides a comprehensive calculation of costs, our project planning process takes all relevant requirements into account, such as country and market specifications, test regulations or approval procedures.
REALIZATION	The implementation of your project occurs in a close collaboration with our licensed partner companies. The organization and supervision of the projects is guaranteed by us. Our business activities include the assembly of energy plants, the delivery and mounting, as well as the integration into an already existing environment. Remodeling and extension is also part of our service range, such as the deconstruction or a professional and environmentally friendly disposal.
SERVICE AND MAINTENANCE	Even after the realization of your project we will be actively at your side. Our competent partners for service and maintenance affairs take care of a perfect operation of your MECO energy plant. Anyway, we support and assist you with any questions concerning your already existing systems.

Partners

Our licensed **performance partners** form the extended workbench of MECO ELECTRIC. Here your plants, designed by us, will be manufactured customized and tailor-made. Upon completion of your energy plant, we will be extensively at your side for all service- and maintenance affairs.

We exclusively draw all components necessary for your MECO energy plant from well-known manufacturers of the electrical industry, such as ABB, Eaton, Logstrup, Rittal and Siemens. Due to the variety of our **component partners** we can always assure you the highest product quality available on the market.

MECO ELECTRIC LLC

Company MECO ELECTRIC LLC was founded 2009 in Abu Dhabi. Target markets are the United Arab Emirates, the Near and Middle East and African States.

Not least because of the geographical circumstances of our target markets, we decided to increasingly add renewable energy technologies to our service offer.

Besides the established fields of energy distribution and energy supply, the generation of energy by solar-, water- and wind plants will take an important part in the activities of company MECO ELECTRIC LLC.

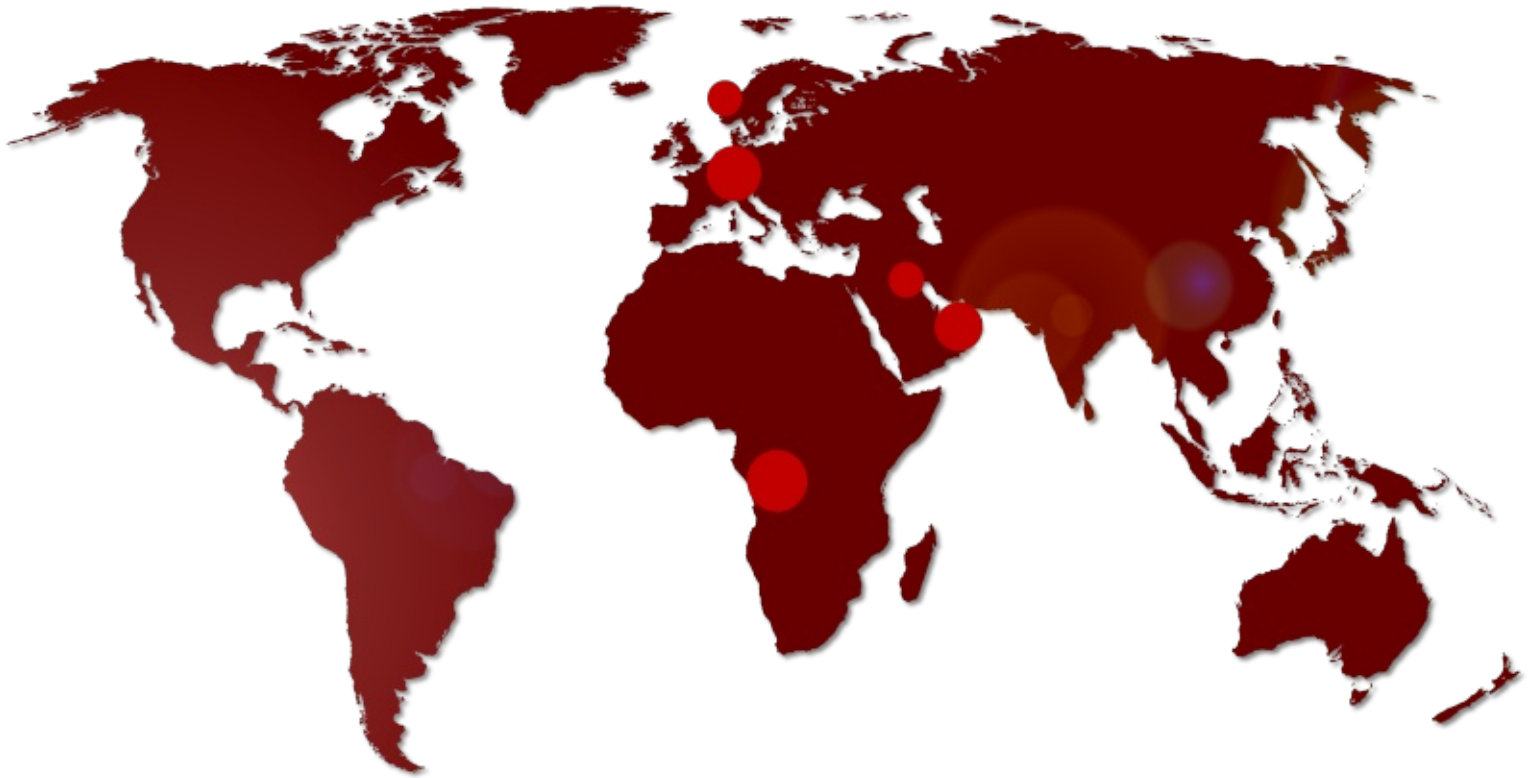
We offer our customers a wide product range from several manufacturers. Starting from systems for feeding into the grid, over back-up systems, up to systems for self-sufficient living.

We will also increasingly supply the water technology market, like for example water catchment or the preparation of sewage water.

With this extension of business fields, we can approach our goal as a full-service energy provider in a decisive step. Naturally we only cooperate with specialized partner companies. This enables us to guarantee you a maximum in quality and cost effectiveness.



Referenzen



ANGOLA

Consulting, design, assembly and distribution of the entire energy supply in 2008

12 low-voltage main-distribution boards up to 4000A and 48 building-distribution boards. Entire cabling, as well as the entire inside and outside lighting. All kinds of installation materials, all kinds of required tools. Packaging and shipment in 20- and 40-foot-containers to Port Rotterdam and shipment to Port Angola.

Project NEW POWER STATION in 2011 / 2012

Consulting, design, assembly and distribution of all systems for a new power station. Delivery of one 2MW diesel generator set and two 1024KW generator sets. Two low-voltage main distributions with a total amount of 19 cubicles with currents up to 5000A. 14 load banks from 20KW up to 300KW, as well as all required installation materials.

Besides the customer-specific planning of the required systems, we integrated already existing plants and systems into an overall concept. Furthermore we were responsible for planning and designing a technical room, according to relevant specifications. As in 2008, we arranged the entire packaging and shipment of the systems to port of destination in Angola.

ABU DHABI

During the last years we delivered a wide range of installation materials and spare parts for our customers in Abu Dhabi:

Materials for building installation, like low-voltage distribution boards, medium-voltage switchgears, switches, sockets, fuses, lamps and cables. Several types of low- and medium-voltage circuit breakers, measuring systems, current transformers, to mention only a few.

KUWAIT

Planning, dimensioning and realization of the entire energy supply for a large scale power plant:

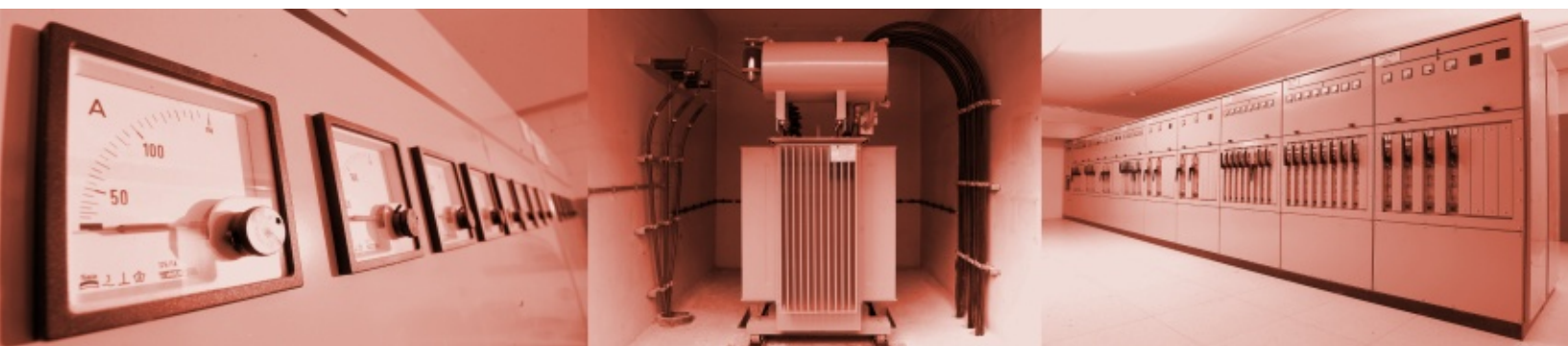
7 low-voltage main distributions from 1250A up to 5000A.

MCC technology up to 4000A.

Medium voltage switchgears with 3150A.

Delivery of all installation materials.

Integration into the existing environment.



GERMANY

Projects for industrial customers:

Planning and delivery of transformer stations.

Low-voltage main distributions up to 5000A.

Medium-voltage switchgears.

Transformers up to 1500kVA.

Entire cabling and mounting.

Projects for private customers:

Materials for building installation, like switches, sockets, fuses, lamps and lightings, cables and many more. Delivery of installation materials for photovoltaic systems. Planning, design and delivery of transformers for photovoltaic systems.

NORWAY

Low-voltage main distributions up to 4000A.

Circuit breakers up to 2500A.

Each 10 outgoing cubicles in form 4.

Delivery of the entire installation material.

Integration into the existing environment.

MECO ELECTRIC

Dr.-Thomas-Dehler-Str. 8
96215 Lichtenfels
Germany

Fon +49 (0) 9571 8974855
Fax +49 (0) 9571 8974854

info@meco-electric.de
www.meco-electric.de

MECO ELECTRIC LLC

Hamdan Street
P.O. Box 107 427
Abu Dhabi, UAE

Fon +971 2 6229774
Fax +971 2 6229744

info@meco-llc.com
www.meco-llc.com