



WE DESIGN YOUR DISCONNECTORS

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More and more OEM's in the World of electrical energy are looking for special disconnectors for their projects. This need is often irregular and focused on **small series or even unique pieces**. That's why EME organized his entire design and production equipment of MV isolators (1-52kV) in a very flexible way. We start from a **modular design**, based on a standard library of tested components using the most sophisticated 2D and 3D software. Thanks to a resourceful stock of elementary components and a unique ERP driven organization, we can produce diverse disconnectors to **attractive prices and within moderate delivery times**.

We never cut down on **quality**, on the contrary all EME disconnectors are "old fashionedly" over dimensioned. We design your custom made disconnector together with you. So don't hesitate to contact us. **Language is no barrier to us**; we speak English, Dutch, French and German.

Beneath you'll find some typical scopes of our production range :

## POWER DRIVES

Power drives are often incorporated with powerful MV-engines. The applications vary from heavy-duty conveyor belts, pumping equipment, production lines in metal and process industry to drives for railway equipment and vessels. The above are more and more driven by frequency converters, these require different types of disconnectors for maintenance, earthing- and bypass switching operations.

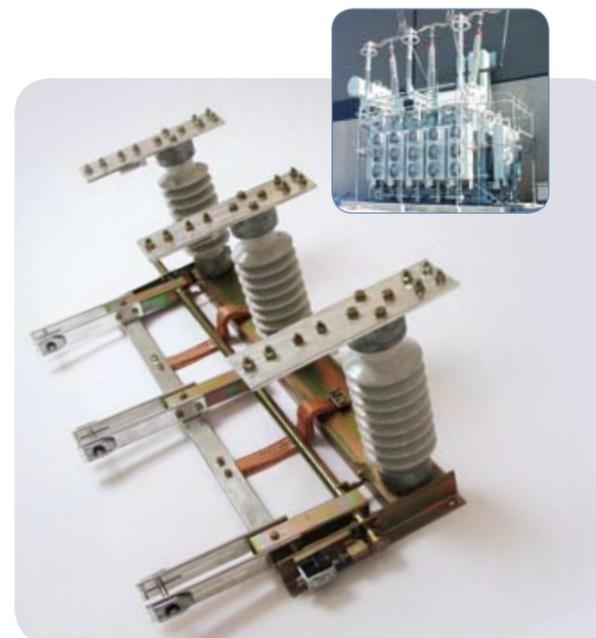
Photo: Bypass isolator MI-COMP 5 KV 2500A with motorization used in a cruise vessel.



## ENERGIE PRODUCTION

In power plants, disconnectors are often used in the application of the safety system from the engine, in MV-cubicles, or as isolator on the main bus bars. EME has developed such applications with full load up to 6300A.

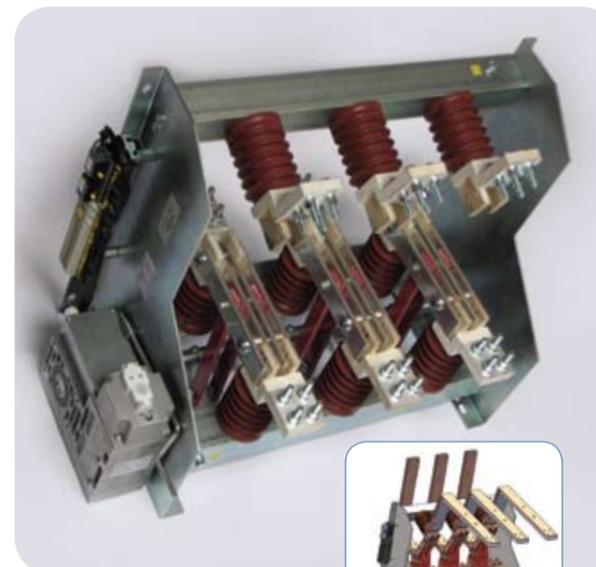
Photo: Isolator-earthing switch combination, manually operated, built into an off-shore wind turbine.



## MV RESISTORS

MV resistors are applied in electricity grids for zero point connection of power transformers and for energy dissipation in the power drive world. EME constructed several unipolar and multipolar isolators and disconnectors for this use. The most impressive model is a 10-pole, motorized reverse isolator with individually steered poles.

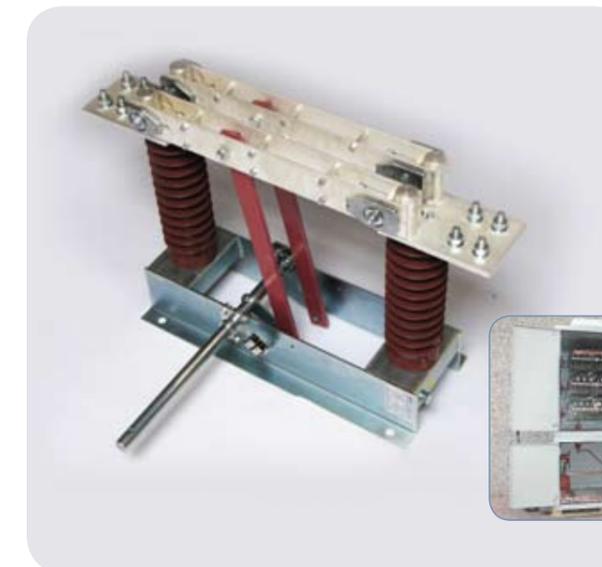
Photo: Isolator 36kV 2500A 1p, manually operated, built into a resistor bank for zero point connection of a power transformer.



## MV EARTHING

Earthing switches are used in several MV-applications such as: MV-capacitor banks, power transformers or MV-cubicles. They act as dischargers, safety interlock or power earth with making capacity. Over the last years EME produced more than 20 different types of earthing switches.

Photo: Earthing switch 36 kV 40kA/2s, manually operated, built into a HV power transformer.



## RETROFIT

Customers are regularly confronted with worn-out or broken down isolators of which they cannot find spare parts. EME is able to build a switch that can be exchanged with the old one. This prevents the customers from the renewal of an expensive complete installation.

Photo: Isolator MI-COMP-CI 12KV 2500A, motorized, for retrofitting of a broken isolator.

## EME, powerful in power current

EME, in full Electro Mechanic Equipment nv is a family-owned company situated in Glabbeek (Belgium). Founded in 1961 by René Vandereycken, this SME was always active in the world of electrical energy distribution and process optimization.

Our scope:

**Building of custom made disconnectors and load-breaking switches.** At this end we have an autonomous production department with an own design division. Each year this ISO 9001 certified business unit produces more than 1000 custom made disconnectors involving more than a 100 different models mainly intended for export.

**Import and distribution of components.** On the one hand for switching, measuring, supervising and protection of electrical energy, on the other hand for process optimization. This allows the EME engineers to offer the most suitable solutions on the Belgian Market like measuring transducers, voltage & current transformers, protection & measuring relays, capacitor banks and PLC components.

**Building of multi-disciplinary applications in terms of industrial energy distribution.** This is the job of our power current department active on the Belgian market. Our team constructs int. al. complicated protection panels or racks for distribution networks & utilities, low- and medium voltage panels and uncommon control and measuring panels required for decentralized energy production. Considering our year-long know-how in this domain we concentrate mainly on projects with high complexity and high engineering degree.

With over 30 specialist people and an optimal mix of knowledge and manpower, EME is ready to solve all your power current problems !

EME - Electro Mechanic Equipment nv

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