



MASCHINENFABRIK REINHAUSEN GMBH

Maschinenfabrik Reinhausen: Success in global niche markets of energy technology

Maschinenfabrik Reinhausen GmbH (MR), based in Regensburg, Germany, and its 27 subsidiaries enjoy success in the global niche markets of energy technology. In the 2012 financial year, 2,700 employees generated a turnover in excess of 630 million Euros. Over 50 % of the power consumed around the world is regulated by MR products.

The company's core business is the regulation of power transformer in power grids. This is done with the aid of on-load tap-changers and off-circuit tap-changers, which adapt the transmission ratio of the primary to secondary winding to changing load ratios and, together with additional, in-novative products and services, ensure an interruption-free power supply.

In 2011, a competence center for power electronics was established in Regensburg to create a pool of knowledge for power electronics inside our organization by bringing together highly skilled

and highly motivated people into a single department. The engineering and testing of all power electronic devices for the REINHAUSEN group takes place here. For the development of power electronics, experts from several disciplines are needed.

Therefore, electrical engineers, mechanical engineers, software specialists and testing experts work together in our



competence center. These people are supported by an in-house test facility and the test center in REINHAUSEN in which high voltage and current levels can be applied.

The latest power electronic device that has been fully engineered by the REINHAUSEN group is the GRIDCON Active Filter. This device is able to compensate reactive power and harmonics (up to the 51st level) within the 400V and 690V net with a maximum power of 600kVAR per cabinet. The inverter uses a three-level topology with a voltage link.

The REINHAUSEN group is able to supply power electronics for grid applications in all power ranges up to the highest voltage ranges.

