



Tailor-made solutions for security in power plants

High level of vertical integration with exceptional quality

Power plants not only generate electricity - they also need to consume it to function safely: Major loads, such as electronic controls and communications plants, must therefore have a reliable supply to guard against power failure. BENNING's battery-supported power supply ensures security 24/7.

Worldwide, only a handful of companies have the know-how that is required for the development and production of these systems. BENNING has developed a comprehensive programme of AC and DC power supplies

and manufactured them for conventional and nuclear power stations for more than 50 years. This experience creates security which power plant fitters and operators can rely on.

Designed for the most difficult conditions

One of BENNING's latest projects is a DC power supply system for a conventional power plant operated by SPE (Société de Production de l'Electricité Algérienne) in Algeria, at the Boufarik site. The order was placed by the power-plant fitter GAMMA (Turkey), with which BENNING has previously successfully implemented several successful projects.

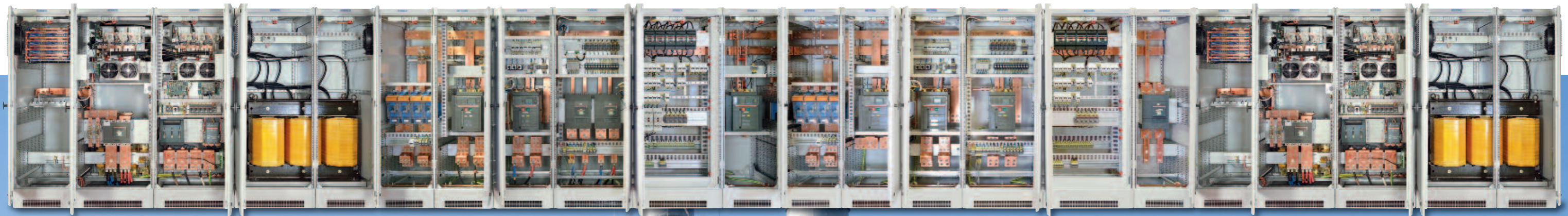
The 125 V/DC power supply system, developed for the power station in Boufarik consists of 1750 A rectifier and 60 kVA inverter block systems, several modular TEBECHOP DC/DC converters and the corresponding distribution.

Earthquake proof

The most striking elements of the complex system are the large 2500 A DC switches

and the expertly built, large copper component. As these systems are used in earthquake-prone areas they must be designed to withstand the relevant conditions.

For this purpose, BENNING produced special housings that are approved as earthquake-proof. The system is also designed to operate at high ambient temperatures and in accordance with IP 41 (approved protection against dust and dripping water). →

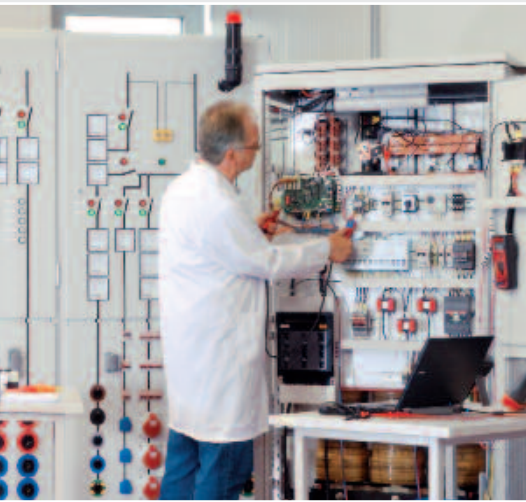


125 V/DC power plant system with 1750 A rectifier and 60 kVA inverted rectifiers

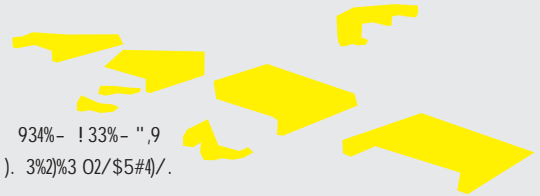


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