



Switchgear

Switchgear contacts are simple steel parts that have been Zinc plated to provide corrosion resistance, however, as Zinc is soft it has no wear resistance and the mechanical action of a contact would often wear the Zinc away quite quickly, allowing the onset of corrosion that would prevent the mechanism from functioning correctly. A Nitrotec treatment gave the parts sufficient wear and corrosion resistance to ensure many years of service.

Parts produced in a stainless steel also suffer wear problems because of the soft nature of the material. Parts in mild steel with an appropriate Nitrotec treatment provide a simple solution.

The Nitrotec can be altered to suit the degree of corrosion resistance required, depending on where there switchgear is situated, in a factory or outside at a sub-station. Operating temperatures therefore vary from below freezing to extremely high in factory situations.