

## Duresca® busbars in Oil refinery



Naftna Industrija Srbije's (NIS) Pancevo refinery is situated in South Vojvodina, Serbia. The refinery, which began operations in December 1968 produces petrol, diesel, jet fuel and fuel oil.

Gazprom Neft hold 51% interest in NIS. Following the acquisition, Gazprom has planned to invest € 500m in upgrading NIS' processing facilities.

Siemens received a contract as part of Oil Industry of Serbia's strategy for modernizing the Pančevo oil refinery. That included:

- modernization of the jetty facility for loading/unloading the barges carrying petroleum products
- truck loading/unloading facility modernization mild hydrocracking complex and hydrofinishing (MHC/DHT) project
- 220/6kV high-voltage (HV) substation project including the busbars delivery.

A refinery is also characterized by an aggressive environment. The design proposed by MGC is particularly well adapted to such applications:

- DE type with its corrugated polyamide protection tube which offers highly UV stability and weather effect resistance. This material is also self-extinguishing, with excellent chemical properties, resistance to mineral oil, fat, fuels, weak acids and bases.
- DG type with its Cr-Ni steel or aluminium, both painted which given their characteristics, propose an excellent behaviour.





Busbars through the wall



Busbars through the wall



Transformer connection



Fully Insulated Connecting Sleeves

MGC delivered DG and DE types of busbars for this refinery both can be installed in indoor as well as outdoor location.

- DG type, 12kV and 4000A, and about 300m
- DE type, 12kV and 3150A and about 250m

The installed links consist in a connection between two transformers and the related switchgear



DG Type 12kV / 4000A and DE type 12kV / 3150A