

123 kV H.V. Duresca® busbar in a test laboratory



Duresca® is the only fully insulated busbar system which is available in the H.V. level, up to 170 kV.

A typical high voltage application

- The supply of a test laboratory for power transformers

Siemens and KONCAR produce in Zagreb, in Joint Venture, power transformers above 100 MVA and for voltages up to 420 kV. A new test facility is now in service. The infeed of the energy was realized with Duresca® busbars. Thanks to reduced bending radius, the choice of fully insulated busbars was particularly indicated given the limited space and the compact configuration of the installation.

The connection is a typical outside/inside application. With the exception of the protection of the external arcing distance with silicone insulators, no particular precautions have to be taken with Duresca® busbars.



The electrical data of this link are a max. voltage level of 123 kV, a rated current of 2000 A and a short circuit capability of 40 kA / 4s.

The scope of this order incorporates

- approx. 260 m busbars
- 36 bends
- 33 sleeves
- and as common practice all the fixation and earthing hardware and usual accessories

Such an application demonstrates the know-how and expertise of MGC in the field of high voltage with fully insulated busbar system.

