

FACTicer Transmission Line Ice Breaker



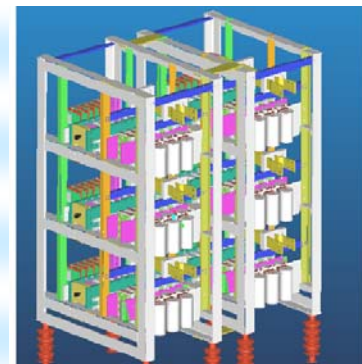
In wake of the terrible snowstorm happened early 2008 in China , XJ developed and delivered a first in the world commercially available mobile de-icing device, the transmission line ice breaker **FACTicer** to a 500kV AC substation of the China State Grid.

FACTicer , based on XJ's HVDC technology and experience, has two trailers , one for rectifier transformer and one for the FACT and control. And **FACTicer** can inject 4300 Amp DC to the frozen transmission line and heat up the temperature up to 50°C in a matter of hours.



FACTicer uses the three phase power provided in substation to break ice on the transmission line. The power can be 35kV/69kV, 50/60Hz, 40 MW.

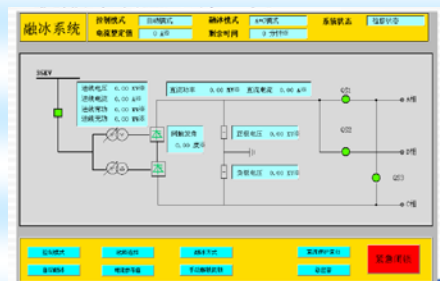
FACTicer needs to ground three phase circuits at the other end of transmission line and heats up the transmission line phase by phase



FACTicer PC-based control system will provide friendly interface to set up and monitor the melting process.

FACTicer core,power electronics & its cooling will be controlled and protected robustly.

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FACTicer current model can heat, up 30 miles, 500kV transmission lines at a time.

XJ , a public listed company, has delivered , HVDC valves , protection & control for +-500 KVdc project and is delivering valves and P&C for a +-800kV HVDC in China.

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*It is a fact that the
snowstorm won't happen
next year?*

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