

USE CASE: EVALUATING 640 KV DC SF₆ FREE CABLE TERMINATION



CLIENT'S CHALLENGE

Prysmian, global cable solutions provider leading the energy transition and digital transformation, needed to select the best materials combination for its brand new HVDC epoxy-insulated cable terminations.

These are complex but crucial accessories for the future of offshore substations. It was also needed to understand how they interact with SF₆ alternative gases.

OUR SERVICES



DC characterisation of solids & gases used in cable termination.



HVDC simulation for performance comparison up to 640 kV.



Client training to help them interpret the results.

ADDED-VALUE

- Cutting-edge test platforms & expertise for solids & gases.
- 12 samples simultaneously tested under different conditions: humidity, temperature & conductivity.

THE RESULTS

With a comprehensive set of data on 9 material combinations, Prysmian is now able to pursue its ambitious R&D roadmap and its goal of becoming SF₆-free, taking the lead in meeting the increasingly complex demands of the HVDC market.



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