

Will extensive condition monitoring of HVDC equipment and related auxiliary systems increase the reliability of the HVDC installations?

Yes, condition monitoring and auxiliary systems will generally enable an increase of the HVDC system reliability.

- But not so much the extensiveness of these.
- More with selected monitoring & auxiliary systems that really will give value
 - Enabling early warning of faults, before any damage is done or power transmission is at risk;
 - Enabling corrective maintenance with right timing (repair cost optimization).
- Challenge is to find what measures will give added value and what is not:
 - Pilot installations and thorough analysis of (big) data is needed;
 - Cost/benefit calculations and analyses are also needed.