

Title: LV Cable testing

Relevant Workstreams:

Workstream 4, Transition from AC to DC, as part of the FAN project. The objective of this workstream is to assess the implications of the high level of infiltration of DC in AC systems and develop mitigation measures where needed. Furthermore, to enable progressive transition we will evaluate the potential of repurposing AC infrastructure for DC applications.

Project Description:

To continue this year's FYP, I would like to resume testing the LV cable samples. Tests will include thermal testing in insulation, vertical vs horizontal arrangements, and dielectric strength at rated temperatures in both AC and DC conditions.

Specific Requirements: A good background knowledge of power systems, using meters, and collecting data and interpreting data. Skills in designing and performing laboratory experiments

Resources:

- A range of LV cables for testing
- laboratory space and measuring equipment