

Services offered by VTT Installations

The service offered in MultiPower includes the agreed laboratory facilities equipped with control and measurement systems. Service also includes preparatory work such as assisting in installations, arranging measurements, planning test cycles etc. as agreed with the user. For safety reasons, VTT personnel is always participating the laboratory tests, offering at the same help and guidance where needed.

The electrical safety regulations require that the users are not expected to operate the systems without supervision of the representative of the test facilities. Tests are carried out jointly by the user and the skilled and experienced staff of VTT, who also gives support for data processing and analysis. On behalf of the user, VTT can also perform the tests and experiments.

The scheduling of the experiments will be done jointly with the users, according to the availability of the needed test platforms. Many of the devices are used also for other research purposes, for instance biofuel research in the case of diesel generators. Thereby it is necessary to schedule the tests as early as possible. The minimum duration of work is 5 days. Additionally, preparation time is needed.



The diesel-motor dynamometer can be used to emulate the primary energy source.



On left, the converter drive system connecting the dynamometer to the MultiPower. The device can be used for various types of tests regarding converter applications.

On right, switchgear on MultiPower LV side. The topology of the LV network can be easily changed by connecting the equipment as needed.