DESIGN AND MANUFACTURING OF SUPERCONDUCTING CABLES AND MAGNETS

Innovations and Benefits - ENEA conducts R&D activities for developing high critical temperature superconducting cable using liquid nitrogen as a coolant, with consequent significant cost abatement.

Uses - Power transmission and Superconducting Magnetic Energy Storage (SMES).

Past and Present Activities - Superconducting cable prototype with YBCO tapes.



RESEARCH TO PROVE FEASIBILITY

BASIC TECHNOLOGY RESEARCH

TECHNOLOGY DEVELOPMENT

TRL 1

TRL 2

TRL 3

TRL 4

TRL 5

TRL 6

TRL 7

TRL 8

TRL 9

TECHNOLOGY READINESS LEVEL

