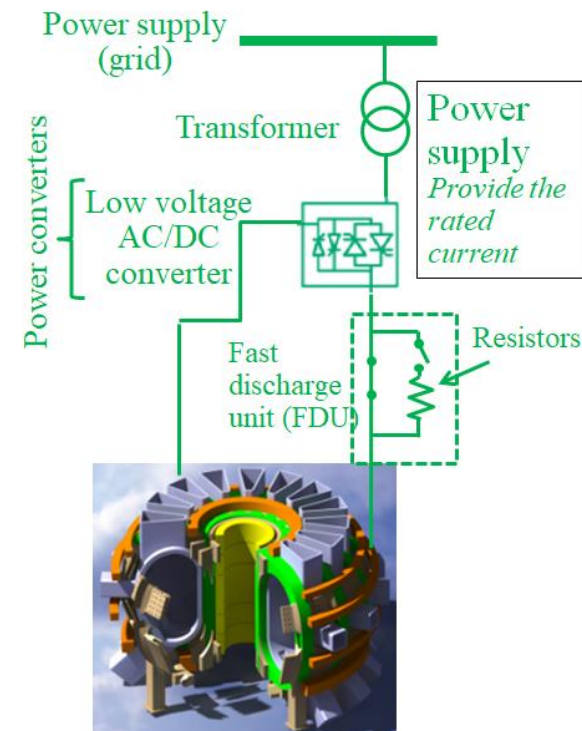


# System-level electrodynamic modelling of the SC magnet system

- Problem: some off-normal transients (e.g. LOCA, quench, fast discharge) in the magnet system have important electrical implications
- Aim of the work: development of an electrical model of the magnet system in the 4C code (based on the Modelica language)
- Prerequisites: basics of electro-dynamics from bachelor courses, + having attended the 30 hours on Modelica in this course is a big plus...

# 4C DC



In collaboration with