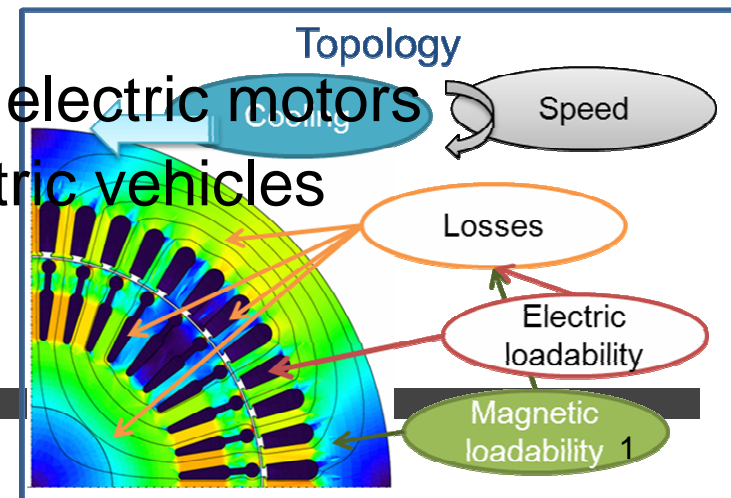


# Compact Integrated electrical Drives for Electrical Vehicles



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- VTT – Technical Research Centre of Finland
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- Industrial systems / Smart machines
- Electrical machines, dynamic phenomena, demanding R&D
- GC.SST.2013-2. Next generation electric motors
- GC.SST.2013-3. Future light electric vehicles



# Compact Integrated electrical Drives for Electrical Vehicles



- To develop compact drives for electrical vehicles that are well-integrated into the vehicle and saving space and weight
  - Uses results of studies done on axial flux, transversal flux and switched reluctance drives
  - Applying partner required to set up specifications and requirements as tough as possible
  - University partner upon profile (e.g. on power electronics)

# Compact Integrated electrical Drives for Electrical Vehicles



- Us: electrical machine know, demanding modelling and laboratory tests
- Partner 1: Specifications, true operation environment
- Partner 2: Power electronics
- Not involved EU project on the are proposed. Several national project going on electrical drives.