



The Virtuous Circle of Knowledge and Innovation

Host: Paola Catapano

Speakers: Alain Aspect, Tabea Arndt, Amalia Ballarino, Reinhold Bertlmann, Daniela Bortoletto, Nicolas Gisin, Michele Grossi, Jan Jakubek, Steffen Kappler, Alessandra Lombardi



Superconductivity – "accelerated" developments in Power Applications

Tabea ArndtKIT – The Research University in Helmholz









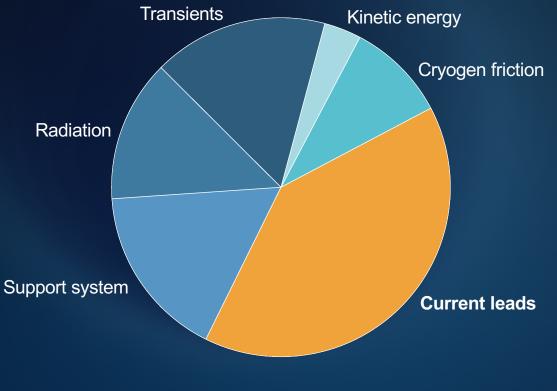
Current leads from the LHC to Fusion And other applications







Heat loads – (in rotating machines)



Current leads are the major heat loads!







Fault current limiters



Stadtwerke Augsburg, Siemens

AmSC 2G-wire tested at Siemens

AmSC, Nexans, Siemens



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Windpower Generators



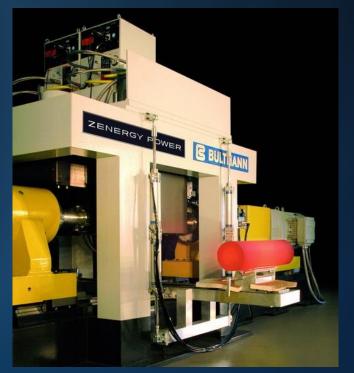


Credit: Shutterstock



Magnetic Billet Heaters





Zenergy, Bültmann



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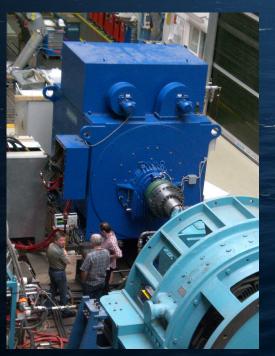
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Transformer



HD HYUNDAI

Electric ships



Siemens

ETruck



RoLH 20

DAIMLER TRUCK #HydrogenRecordRun





Levitation & Transportation





The SHiP experiment





