

The Delft University of Technology is the largest engineering school in The Netherlands. The Electrical Power Processing research group is active in the field of power electronics and electromechanics and is involved in a variety of projects that include the system integration of power converters, renewable energy generators, mechatronics, pulsed power and the application of power electronics in power systems.

Key Research Fields & Competence Areas:

- ∅ Packaging and integration of passive components.
- ∅ Magnetic components.
- ∅ Permanent magnet machines and actuators.
- ∅ Thermal management.
- ∅ Electromagnetic design of pulsed and burst power converters.
- ∅ Power electronics in power systems.

Institute Highlights:

- ∅ A knowledge centre with TNO, the Dutch organisation for applied physics research. The activities focus on emerging fields of power electronics such as pulse power, hybrid components and energy storage.
- ∅ A well equipped laboratory making it possible to interconnect machines and power electronic converters at different locations inside the laboratory. Voltage levels up to 5 kV and power levels up to 50 kW.
- ∅ A facility to research and develop thermal management systems in power electronics converters.

Contact Information:

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