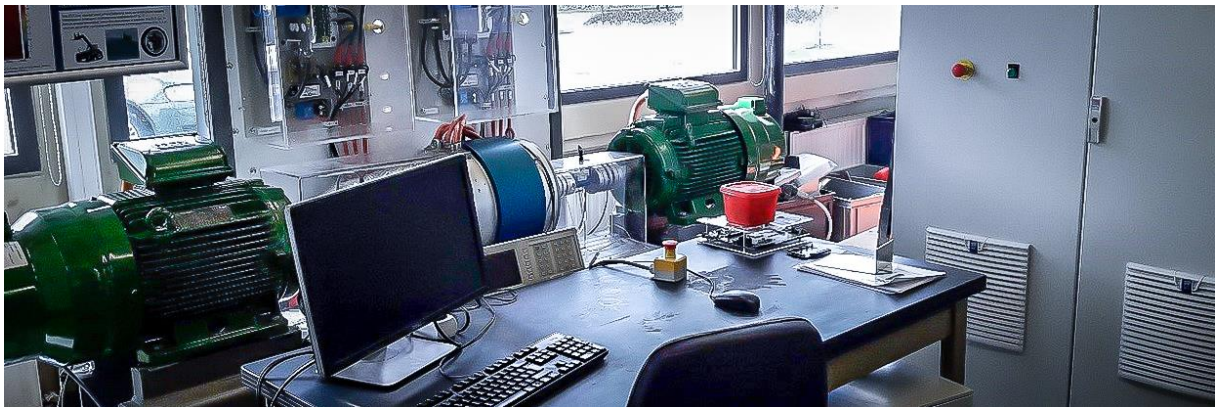


ELECTRICAL VARIABLE TRANSMISSION (EVT) TESTING



Location: FlandersMake@UGent

DESCRIPTION

Can you imagine the range of applications for a transmission without gliding or sliding contact surfaces, a transmission which is moreover continuously variable in an electrical manner?

In one of our labs we have a unique set-up including an electrical variable transmission from EVT BV. Furthermore, we have a toolset that includes:

- static and dynamic models;
- methods to optimise the operating points;
- scaling laws;
- a design methodology.

The complete set-up has Hardware-In-the-Loop capabilities which allow you to evaluate the feasibility of the EVT for your application.

DRIVETRAIN TESTING

TECHNICAL SPECIFICATIONS

- A 120 kW Prototype permanent magnet EVT
- A 30 kW induction machine that emulates a source (combustion engine)
- A 30 kW induction machine that emulates a load profile
- A 100 kW & 150 kW automotive inverter
- Water cooling for the EVT and the two inverters
- Torque measurement
- Forced air cooling

OUR OFFER

We offer our test set-up to evaluate the feasibility of the EVT for your application.

INTERESTED?

Contact contact_EEDTMP@flandersmake.be for more information.