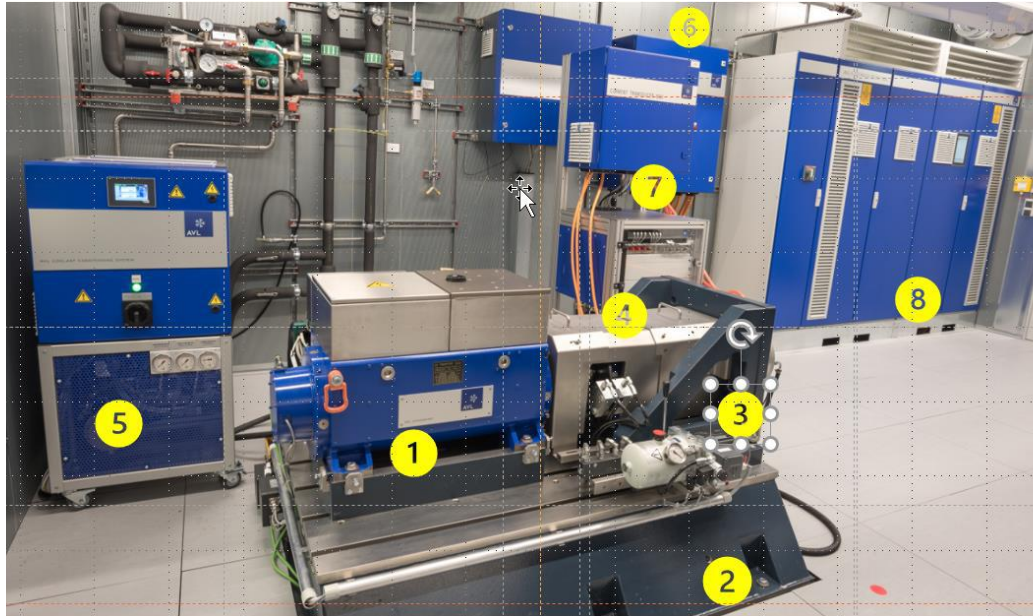


Electric Powertrain Testing

500 kW Electric Motor and Inverter Test Bench (from 07/25)



Test Bench Dynamometer

Rated Power	550 kW
Peak Power	660 kW
Rated Torque	650 Nm
Peak Torque	780 Nm
Rotational Speed	25,000 rpm

DC Power Supply (for DUT)

Rated Power	500 kW
DC Voltage	40 ... 1200 V
DC Current (up to 500 Vdc)	± 1200 A

Universal Inverter

Rated Power	750 kVA
Rated Current (3 Phase)	1000 Arms
DC Voltage	40 ... 1000 V
Switching Frequency	2kHz ... 96 kHz

Data acquisition

Torque measurement	HBM T40MS 1000 Nm
Electrical measurement	X-ION E-Power
Control/DAQ system	AVL Puma