

HBK eDrive Day in Gothenburg agenda

Title	Speaker	Time slot	Description
Meet & Greet		08:15 - 09:15	Breakfast and contacts
Introduction	Martin Norström	09:15 - 09:30	Introduction HBK, housekeeping
eMobility - Electric Power Testing	Patrik Ott	09:30 - 10:30	<ul style="list-style-type: none"> • Measurement and optimization in the electric powertrain • Determination of the mechanical performance
Coffee Break		10:30 - 11:00	
Current measurement and current transducers / voltage measurement	Holger Müller	11:00 - 11:45	<ul style="list-style-type: none"> • Principle possibilities for current measurement • ZeroFlux current sensors and their application • Comparison of the different types of current measurement • Safe and accurate measurement of voltages
Lunch		11:45 - 13:00	
Performance measurement on the electric drive	Holger Müller	13:00 - 14:30	<ul style="list-style-type: none"> • From simple motor testing to efficiency measurement - the HBM eDrive package • Overview of performance features as a power analyzer and as a DAQ • Basics of power calculation - cycle detection and expandable formula database • Measurements for more complex, multi-phase and hybrid systems LIVE DEMO • Creation of efficiency maps in real time LIVE DEMO • Dual Torque™ - parallel measurement of torque ripple and precise torque LIVE • DEMO • Introduction to real-time connection to an automation system
Coffee		14:30 - 15:00	
Measurement uncertainty on the electrical drive train	Patrik Ott	15:00 - 15:30	<ul style="list-style-type: none"> • Accuracy and measurement uncertainty - what is it actually? • Reading data sheets correctly • Approaches to measurement uncertainty with DC and static load • Problems with dynamic load
Remote probe based data acquisition system for power measurement	Holger Müller / Dimitri Kern	15:30 - 16:00	EMC critical environments or applications with long distances
Q&A		16:00 - 16:30	
Networking Glögg		16:30 -	

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