



SEMINAR INVITATION

Partner:



WÜRTH ELEKTRONIK MORE THAN YOU EXPECT

INVITATION TO OUR SEMINAR **ON 7TH NOVEMBER 2024 WITH** **STMICROELECTRONICS**

Würth Elektronik eiSos GmbH & Co. KG and STMicroelectronics invite you to our seminar
Insights into a Heat Pump Solution – A deep Dive into PFC, Motor Control & EMC Filtering
on 7th November 2024 in Dortmund.

Date:

7.11.2024 in Dortmund

Address:

Radisson Blu Hotel
An der Buschmühle 1
44139 Dortmund

Please register by 24th October 2024 as the number of participants is limited. You can find
the registration here: www.we-online.com/seminar-registration

We would be pleased to welcome you to our seminar.

With kind regards

Würth Elektronik eiSos GmbH & Co. KG

AGENDA

Insights into a Heat Pump Solution – A deep Dive into PFC, Motor Control & EMC Filtering

- 8:30 – 9:00: Registration and Welcome**
- 9:00 – 9:30: INTRODUCTION**
- Heat pump Application Overview
 - Deep dive into Heat pump Reference Design
- 9:30 – 10:30: INVERTERS**
- Ways how to integrate a HV Inverter Power stage
 - Pro/Con between the different approaches (discrete/IPM/Motor Driver)
 - Typical challenges
- 10:30 – 11:00: Coffee break**
- 11:00 – 12:00: HEATPUMP EMC DISCUSSION**
- EMC measurement results on the Heat pump Reference Design
- 12:00 – 13:00: Lunch break**
- 13:00 – 14:00: ACTIVE PFC SOLUTIONS**
- Best practice for PFC
 - Power Topologies (Boost, Totem pole, Barbi,..)
- 14:00 – 15:15: PASSIVE COMPONENTS & DESIGN CONSIDERATIONS**
- Inductors
 - Best Practices
- 15:15 – 15:30: Coffee break**
- 15:30 – 16:00: CONCLUSION & Q&A**
- Ecosystem Evaluation
 - Key Product Families Overview