

# HICADEMY SEMINAR



## MODULE | 2

**High-voltage test systems:**  
Operation, maintenance, and service

Date: 21 – 22 May 2019

Location: Hotel INNSIDE Dresden

# INVITATION TO HICADEMY SEMINAR

Want to carry out your high-voltage tests quickly and without causing an interruption?  
Looking for practical tips on certain forms of high-voltage testing?  
Aiming to analyze errors independently?

Then you are warmly invited to the next HICADEMY seminar. During this seminar, we teach you how to work efficiently with high-voltage testing systems.

## **MODULE | 2 High-voltage test systems:** Operation, maintenance, and service

21 – 22 May 2019

### ■ **Theory and Practical Training**

You will gain extensive knowledge about various high-voltage test systems and how they are correctly used during high-voltage testing. The seminar includes practical examples, tips and exercises with selected test systems at HIGHVOLT.

### ■ **Learn from Experienced Trainers**

You will be taught by our experienced trainers with years of practical experience they can pass on to you. Our training team always stays up to date with the latest national and regional requirements based on standards, directives and laws.

### ■ **Small Group Sizes**

Thanks to the general schedule and the small number of participants during the practical workshops you have enough time for questions and individual discussion with the trainers. The seminar also gives you excellent opportunities for expanding your own personal network.

We look forward to welcoming you to Dresden.

The HICADEMY team

P.S.: Since the number of participants is limited, we recommend timely registration.

# MODULE | 2 High-voltage test systems: Operation, maintenance, and service

## PROGRAMME



Monday, 20 May 2019 | Hotel INNSIDE

**Welcome dinner**



Tuesday, 21 May 2019 | Hotel INNSIDE

### Introduction

**High-voltage equipment and suitable test systems**

**International standards for testing of high-voltage equipment**

**Safety and grounding in high-voltage test bays**

**Insulation coordination**

### High-voltage test systems

AC (transformers, resonant systems, test systems with variable frequencies)

DC (Villard/Greinacher cascade, modular Delon systems)

Impulse voltage generator (for LI/SI tests)

- Basic principles of physics, modes of operations
- Main parameters, load range
- System components and configuration
- Setup and operation
- Testing of high-voltage equipment
- Maintenance and service

### Measurement systems

High-voltage measuring systems

Measurement of partial discharge (PD)

- Physical background
- Values to be measured
- Components and characteristics
- Configuration and setup
- Performance check and calibration

**Dinner**



Wednesday, 22 May 2019 | HIGHVOLT

### Practical Training

**Operation and handling of high-voltage test systems:**

- AC test system, type WP (transformer based AC cascade)
- AC test system with variable frequency, type WRV (resonance based)
- DC test system, type GPM (modular DC cascade)
- Impulse voltage generator, type IP

**Performance check and calibration of high-voltage measuring systems**

**Partial discharge measurements and diagnostics**

**Company tour (optional)**

Note for your travel organization:  
The seminar will end in the late afternoon.

# MODULE | 2 High-voltage test systems: Operation, maintenance, and service

<b>Contents</b>	In this seminar, you will improve your knowledge about high-voltage systems and their potential applications. The main focus is on their operation, maintenance and service.
<b>Date</b>	21 – 22 May 2019
<b>Location</b>	Hotel INNSIDE DRESDEN – Salzgasse 4, 01067 Dresden, Germany
<b>Target group</b>	Managers and engineers of test bay facilities, and operators
<b>Language</b>	English
<b>Recommended background knowledge</b>	Participants should possess the fundamentals of electrical engineering

## ATTENDANCE FEE

**Attendance Fee: EUR 1,290.00  
(plus EUR 245.10 VAT)**

The attendance fee includes:

- theoretical and practical training
- training documents
- drinks, snacks during breaks and lunch
- dinner on 20 and 21 May 2019
- attendance certificate

## REGISTRATION

The number of attendees is limited to improve their learning outcome, so make sure to book a place as soon as possible.

Register online at: <http://HICADEMY.highvolt.de>

Registration is possible until 20 April 2019.

## CANCELLATION

For cancellation please send an e-mail to [hicademy@highvolt.de](mailto:hicademy@highvolt.de)

Cancellation fee:

Cancellation until 7 April 2019: 50% of the total costs

Cancellation after 7 April 2019: 100% of the total costs

## ACCOMMODATION

Hotel rooms have been reserved for you at INNSIDE DRESDEN.

€ 109.00 per single room and night incl. breakfast  
€ 129.00 per double room and night incl. breakfast

Please book your room by 20 April 2019 mentioning the keyword "HICADEMY":

Phone: +49 351 795151007

E-mail: [reservations.innside.dresden@melia.com](mailto:reservations.innside.dresden@melia.com)

The costs for accommodation are not included in the attendance fee.

## CONTACT US

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