

# HIL Power User Essentials Training

June 26<sup>th</sup>, 2024 | Novi Sad, Serbia



**08:30 - 09:00**      **Welcome**

General Introduction

**09:00 - 09:30**      **Introduction to Typhoon HIL** | Company presentation, technology introduction, motivation, setup and devices

**09:30 - 09:45**      **Support** | Typhoon HIL Support Center, documentation, tutorials, HIL Academy

**09:45 - 10:00**      **Toolchain Overview** | Typhoon HIL Control Center, Examples Library

**10:00 - 10:45**      **Running Your First Model [Hands-On]** | Schematic Editor - simple circuit design, HIL SCADA - basic interface design

**10:45 - 11:00**      **Coffee Break**

HIL for Power Electronics

**11:00 - 11:15**      **Modelling and Real-Time Simulation** | Challenges of real-time simulation

**11:15 - 12:00**      **Typhoon HIL Solution** | System architecture, converter modeling approach and library, control options, additional features

**12:00 - 12:30**      **Example Model** | Hands-on example

**12:45 - 14:00**      **Lunch Break and Networking**

HIL for Grid Modernization

**14:00 - 14:15**      **Introduction to Microgrid Library** | Modelling approaches for DERs

**14:15 - 15:00**      **Example Model** | Terrestrial microgrid with multiple DERs

**15:00 - 15:15**      **Coffee Break**

Test Automation

**15:15 - 15:45**      **Introduction to TyphoonTest IDE** | Typhoon HIL API, Typhoon Test IDE

**15:45 - 16:15**      **Test Automation Example** | Hands-on example

**16:15 - 16:30**      **Q&A Session**

Evening Networking

**16:30 - 20:00**      **Free Time**

**20:00 - 22:00**      **Welcome Drinks: Loft Bašta [\[Njegoševa 9\]](#)**

Register

\*Event details are not final and subject to change based on the engineer's assessment of the attendee profiles and learning objectives.