HIL Power User Essentials Training

June 26th, 2024 | Novi Sad, Serbia

TechDay**2024**

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 architechture, converter modeling approach and library, control options, additional features
12:00 - 12:30	**Example Model** [Hands-On]
12:30 - 13:30	Lunch Break

HIL for Grid Modernization

13:30 - 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]
16:15 - 16:30	Q&A Session

Register

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