

PASS_Motor_Drive_1.4_(MD1.4)_L3-Training Agenda

PASS PSC- Technical Training

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TITLE Hybrid PASS_Motor_Drive_1.4_(MD1.4)_L3-Training Agenda				
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Course goal:

This training's primary objective is to ensure a safe and effective operating process that focuses primarily upon the Installation and commissioning (I&C) aspects of Hybrid PASS (Plug and Switch System).

Main learning objectives:

- Understanding of Detailed component assembly
- How to carryout Minor repairs
- Theoretical and practical knowledge of circuit-breaker's Relevant drive control
- Thorough understanding of the functioning mechanism for the relevant disconnector's Drive.
- comprehensive understanding of handling SF₆ gas.
- Foundational knowledge about Maintenance inspection aspects
- Understanding of how to conduct on-site testing, maintaining H&S aspects, and reporting to the PSC (Product Service center).

Prerequisites:

- PASS M0X L3 Certification
- Training in electrical and mechanical subjects
- Professional experience
- A certification that allows to perform an activity where it is necessary to work on electrical system, both dead and live working at LV or to work in the vicinity of HV systems.
- SF6 certification (relevant in EU)
- Sufficient English language skills
- PPE (Personal Protective Equipment)
- HSE (Health Safety and Environment) and PICW (Person in charge of work) training done
- Heavy loads training
- First aid/emergency

Topics:

- Training and Certification Process
- Introduction to Hybrid PASS Motor Drive 1.4
- Hybrid PASS M.D 1.4 Overall Assembly
- Theoretical Part of Functionality, Setting and Troubleshooting of Circuit breaker and disconnector drive mechanism.

- Practical Part of Functionality, Setting and Troubleshooting of Circuit breaker and disconnector drive mechanism.
- Functionality & 3 step for setting Disconnectors and relevant drive mechanism Theoretical Part
- Functionality & 3 step for setting Disconnectors and relevant drive mechanism Practical Part
- Maintenance concept
- Installation and Commissioning PASS Installation (simulated) – Practical Part
- Commissioning & Reporting – Practical Part

This is a theoretical and practical training.

Certification:

This is a certification course. A certificate will be issued after the successful completion of the On-site I&C activity which will be conducted by the Training Center.

Duration:

One Week

Enrolments:

- FSE's can fill the details in the form given in the below link for enrolment

https://forms.office.com/Pages/ResponsePage.aspx?id=2eYxe-Gzc0Uyexh3CtBMxlepgS_A8TdVFjOFVnAownc-tUMFJHWEpJSEJOODVOTExCVjhDM1dWRkNQNS4u

And send your request to

it-training-psc_lodi@hitachienergy.com

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Day	Subject	Location
1	Hybrid PASS Motor Drive 1.4 - Presentation	Lodi Factory
	<ul style="list-style-type: none"> • Introduction to Hybrid high voltage switchgear • Product Description • PASS Types and Families • Additional Features • Commitment 	
	Hybrid PASS Motor Drive 1.4 - Major components	
	<ul style="list-style-type: none"> • Bushings • Current Transformer • Voltage Transformer • Disconnecter • Digital Circuit Breaker drive 	
	Factory Visit	
2	Circuit Breaker and relevant drive mechanism	Lodi Factory
	<ul style="list-style-type: none"> • Introduction • Technical Description of the equipment • Functionality of the equipment • Troubleshooting of the equipment- Theoretical Part • Troubleshooting of the equipment- Practical Part • Clarification of Digital Drive management 	
3	Disconnectors and relevant drive mechanism	Lodi Factory
	<ul style="list-style-type: none"> • Introduction • Technical Description of the equipment • Functionality of the equipment • Functionality & 3 step for setting the equipment – Theoretical Part • Functionality & 3 step for setting the equipment –Practical Part • Clarification of Digital Drive management 	

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Day	Subject	Location
4	Installation of the module: On-site (Theoretical Part) <ul style="list-style-type: none">• General Information• Specifying the Technical referral documents• Service Document requirement for I&C Activity• On-site Installation: Introduction to Digital drive & LCC• Fixing of Vertical Support• Installation of the main shipping unit• External phases rotation• Earth cables connection	Lodi Factory
	Maintenance Concept <ul style="list-style-type: none">• Concept clarification• Maintenance Inspections• Maintenance Plan• Overhaul - Theoretical Part• Certification requirement	
	Conclusion	
5	Factory On-site Assessment for Participants <ul style="list-style-type: none">• Installation and Commissioning• Light Troubleshooting• Review of I&C action & reporting• Evaluation done by the Technical Trainer• Sharing the full-filled supervision Report• Sharing confirmation of attendance along with the current status of Authorization to perform on-site activity (Supervised by Level 3/Above Assessor)	Lodi Factory