

Operating mechanisms HMB-1 /-2 Maintenance Training Level 4 COURSE DESCRIPTION



Course goal:

The course is an in-depth training and conveys profound knowledge on the overhaul of HMB-1 /-2, operating mechanisms.

Participant profile:

Field service engineer for Hitachi, preferably on high voltage products or high current systems. Willingness to travel and work for the global service network.

Prerequisites:

- Good English skills (written and spoken)
- Ability to read diagrams is required
- Electrical skills
- Mechanical skills
- Attended the local required health & safety
- Training
- First aid course with a certificate
- Own PSE
- Computer with admin rights

Main learning objectives:

- Working principle and troubleshooting
- Exchanging modules
- Repair and overhaul of the complete mechanism
- Adjustment of spring travel switch and auxiliary switch

This is a theoretical and practical training course.

Certification:

A certificate, valid for 1 year will be issued after successful participation in this course, as part of the certification process.

Within 12 months, an on-site assessment must be carried out along with a final review to receive a certificate, valid for another 3 years.

Duration:

5 days

Enrolments:

Send your request to

GIS-GCB_Training@hitachienergy.com

PREPARED		STATUS	SECURITY	LEVEL				
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APPROVED		DOCUMENT KIND						
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CH-Zurich-2657-Field Service		2GHE004263	В	en	2/3			
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Day	Subject	Location				
	Welcome / Introduction to Hitachi Energy Switzerland					
	Training Introduction / Presentation					
	❖ Safety Induction					
	 Certification Process 					
	 Hitachi Energy GIS-Product Portfolio 	ω				
1	Operating mechanism Safety instruction	Classroom				
	Basic training					
	❖ Working principle of the system					
	 Detailed view of the system parts 					
	 Troubleshooting 					
	Hands-on training					
	 Functions of spring limit switch 	Classroom raining field				
2	 Functions of auxiliary switch 	Classroom raining field				
_	 Checklist for failure investigation 	ass				
	Pilot valves	ב ב				
	 Overflow valve 					
	 Interlocking pin 					
	Hands-on training	ر p				
	Bushings	Classroom Training field				
3	 Working module/piston rod and P plug 	ssring				
	❖ Springs	Cla rair				
	Pump module and motor / Pump element	F				
	 Control module and pilot valves 					
	Hands-on training					
	 Storage module 					
	 Oil filling and evacuation 	ш eld				
1	 Spring travel switch installation and adjustment 	roo g fi				
4	 Auxiliary switch adjustment 	Classroom Training field				
	Special tools and devices	O Sar				
	Troubleshooting tips					
	Exam	E Pe				
5	Final Discussion	Classroom Training field				
	Farewell	Cla:				

STATUS	SECURITY LEVEL	DOCUMENT ID	REV.	LANG.	PAGE		
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