



training

CBGS-1 Primary GIS Switchgear



Installation, Commissioning & Maintenance

Duration: • 2 days

Contents:

- CBGS-1 Cubicle General Presentation
 - Main Characteristics
 - 3 position disconnector
 - Circuit breaker
 - Busbar system
 - CT & VTs
 - Functional Units
- Operations & Interlocks with CBGS-1 cubicles
- Site Assembly of CBGS-1 cubicles
- CBGS-1 Cubicles Maintenance
- Erecting & testing tools for CBGS-1
- Visit to CBGS-1 cubicles assembly line
 - Circuit Breaker Assembly
 - Switchgear Assembly
 - Low voltage Compartment Assembly
 - CBGS-1 Assembly Line
 - SF6 filling procedure
 - Testing
 - Final Control

CBGS-1 Primary GIS Switchgear



1st Day

Time	Subjects	Responsible
8 h 30 – 8 h 45	Welcome and forecasted Schedule for CBGS-1 switchgear	Pedro Iribar
8 h 45 – 10 h 00	CBGS-1 cubicle general presentation Main Characteristics 3 position Disconnecter Circuit breaker Busbar system CT & VTs Functional Units	Pedro Iribar
10 h 00 – 10 h 30	Operations with CBGS-1 cubicles (animation) Energize De-energize Earthing De-earthing	Pedro Iribar
10 h 30 – 10 h 45	Coffee break	
10 h 45 – 12 h 15	CBGS-1 assembly video (animation) Transport & storage Switchgear assembly Busbar assembly Low voltage connections Site tests Busbar VT assembly Final jobs	Pedro Iribar
12 h 15 – 12 h 45	Erecting & testing tools for CBGS-1 Mechanical erection Electrical erection Tests	Pedro Iribar
12 h 45 – 13 h 30	Maintenance of CBGS-1 cubicles SF6 control Disconnectors Circuit breaker 24h After-sales Service	Pedro Iribar
13 h 30	Lunch	

CBGS-1 Primary GIS Switchgear



2nd Day

Time	Subjects	Responsible
8 h 30 – 8 h 45	Dress up working overalls	
8 h 45 – 10 h 30	Factory visit CBGS-1 Assembly Line Circuit Breaker Assembly Switchgear Assembly Low voltage Compartment Assembly	Roberto Lombilla
10 h 30 – 10 h 45	Coffee break	
10 h 45 – 12 h 45	Factory visit CBGS-1 Assembly Line SF6 filling procedure Testing Final Control	Roberto Lombilla
12 h 45 – 13 h 00	Undress working overalls	
13 h 00	Lunch	