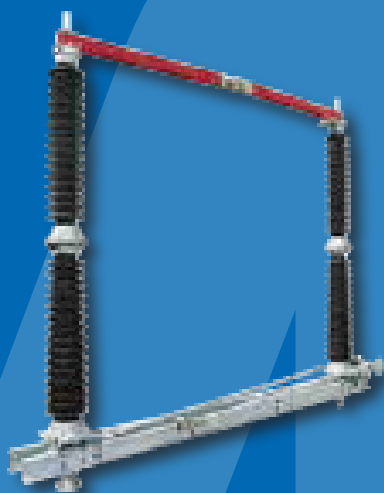




HV Disconnectors

Operating Mechanisms



Operations & Maintenance

Duration:

- 2 days

Contents:

- HV Disconnector & Operating Mechanisms general presentation
 - Main Characteristics
 - Special Characteristics
 - References
- Manual- Electrical Operations with HV Disconnector & Operating Mechanisms
- HV disconnector & Operating Mechanism Maintenance
- Handling, Assembly & Commissioning
- Visit to HV Disconnector and Operating mechanisms assembly line

HV Disconnectors Operating Mechanisms



1st Day

Timing	Subjects	Responsible
8 h 30 – 8 h 45	Welcome and program preview	Pedro Iribar
8 h 45 – 9 h 30	HV Disconnectors & Operating Mechanisms general presentation Main Characteristics Special Characteristics References	Pedro Iribar
9 h 30 – 10 h 30	Operations with HV Disconnectors & Operating Mechanisms SGCT 245 Disconnector AE85 y AGL14 Operating mechanisms (Video – animation)	Pedro Iribar
10 h 30 – 10 h 45	Coffee break	
10 h 45 – 12 h 15	Assembly ,Adjustment & Commissioning Main & Earthing Blades Assembly & Adjustment Transmissions Assembly & Adjustment (Video – animation)	Pedro Iribar
12 h 15 – 13 h 00	AE-85 Operating mechanism Maintenance General description Main Characteristics and Description Motor Gear Replacement Energy Consumption	P. Iribar Manuel de Silvestre
13 h 00 – 14 h 30	Lunch	
14 h 30 – 16 h 00	Factory visit HV Disconnectors and Operating mechanisms assembly line	Pedro Iribar
16 h 00 – 17 h 00	Operations with HV Disconnectors & Operating Mechanisms Main blades. Manual and electrical operation. Earthing blades. Manual and electrical operation. (Demo Unit in Show Park)	Pedro Iribar

HV Disconnectors Operating Mechanisms



2nd Day

Timing	Subjects	Responsible
8 h 30 – 8 h 45	Welcome and program preview	Pedro Iribar
8 h 45 – 9 h 30	HV Disconnector Maintenance Preventive Maintenance Cracks in the connecting rods AG-4 Lack of earthing spring Rotary supports Rotary support pin Galvanized and painted treatment	Manuel de Silvestre
10 h 45 – 11 h 00	Coffee break	
11 h 45 – 12 h 45	AE-85 Operating Mechanism Practical Training Motor Gear Replacement (Sala showroom+P.expositor)	Niko Fernández
12 h 45 – 14 h 15	Lunch	
14 h 15 – 17 h 45	SG3CT Disconnector practical Training General Description Insulator Replacement Connecting head Cleaning and Replacement (Laboratory)	JM Asua
	SG3CT Disconnector practical Training Horizontal transmission replacement (AG-1 instead of AG-3) Male Contact replacement Open /close Adjustments for 1 phase Open /close Adjustments for 3 phases Open /close Adjustments for Earthing Mechanical Ends Adjustment Contact Pressure Regulation (Laboratory)	
17 h 45 – 18 h 00	Training closure	Pedro Iribar