



# DVCAS Secondary GIS type Switchgear



## Operations & Maintenance

### Duration:

- 6,30 hours

### Contents:

- DVCAS General presentation
  - Main Characteristics
  - Circuit Breaker
  - 3 positions Switch disconnecter
  - Recommended combinations
  - Relay & CT
- SF6 General Knowledge
- Maintenance of DVCAS cubicles
- Manipulation, Assembly & Commissioning of DVCAS cubicles and Windfarm energization
- Operations & Interlocks with DVCAS cubicles
- Visit to DVCAS cubicles assembly line

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Timing	Subjects	Responsible
8 h 30 – 8 h 45	<b>Welcome and program preview</b>	Pedro Iribar
8 h 45 – 10 h 15	<b>DVCAS General presentation</b> Main Characteristics Circuit Breaker 3 position disconnecter Recommended combinations Relay & CT	Pedro Iribar
10 h 15 – 10 h 30	<b>Coffee break</b>	
10 h 30 – 11 h 00	<b>SF6 general knowledge</b> What is it SF6 and global warming SF6 & internal arc	Pedro Iribar
11 h 00– 11 h 30	<b>Maintenance of DVCAS cubicles</b> Bill of materials Detailed diagrams SF6 control Disconnectors Circuit Breaker 24h After-sales Service	Pedro Iribar
11 h 30 – 12 h 15	<b>Site Assembly of DVCAS cubicles</b> Mechanical assembly Wind Farm energize (Video – animation)	Pedro Iribar
12 h 15 – 13 h 00	<b>Operations &amp; Interlocks with DVCAS cubicles</b> (Video – animation)	Pedro Iribar
13 h 00– 14 h 15	<b>Lunch</b>	
14 h 15 – 15 h 30	<b>Factory visit</b> DVCAS assembly line	Pedro Iribar
15 h 30 – 16 h 15	<b>Operations &amp; Interlocks with DVCAS cubicles</b> (Demo unit)	Pedro Iribar
16 h 15 – 16 h 30	<b>Training closure</b>	Pedro Iribar