
GETTING STARTED WITH PROTECTION RELAYS

1-day Training Course

WHAT WILL I LEARN?:	After this training course power engineers will be able to select, implement and set a digital, multifunctional protection relay. Besides that, they will know how to test the settings.
SCHEME:	A specific relay will be the example. The trainer has experience with modern protection relays of GE Multilin, Schneider Sepam, Beckwith Electric, ABB, SEL and Alstom (GEC).
COURSE CONTENT:	<ul style="list-style-type: none">• Specifications & Ordering Key• Mechanical installation and electrical wiring diagram• Local Control and HMI software• Basic Settings (Relay / System Setup)• Current Elements (differential, overcurrent, asymmetry, earth fault)• Voltage Elements (V/Hz, under/over-voltage, under/over-frequency)• Combined Elements (distance, reverse power, loss of field)• Temperature Monitoring• Protection System Monitoring (fuse loss, breaker failure)• Status, metering, event logging, oscillography• Testing of the settings
WHO SHOULD ATTEND?:	Electrical engineers with general computer skills and some knowledge of power systems.
TRAINER:	Hans Stutvoet MSc
LANGUAGE:	English or Dutch
HAND-OUTS:	Manual of the specific relay (PDF) will be used for reference.
DATE & LOCATION:	This one-day training course is offered as an internal company course. The course dates will be determined in concert.
COURSE FEES:	On request (depends on location and number of participants)
MORE INFORMATION:	Call +31 6 22992403 or email hans.stutvoet@svri.nl