

ABB UNIVERSITY

Excitation and synchronization systems

Digital learning solutions



Well-trained plant personnel and minimized time and financial effort to achieve the right level of knowledge are essential. To support continuous learning, ABB offers a set of digital training programs and virtual classrooms for selected excitation systems.

Basic E-Learning Programs

The following E-learning are available through ABB MyLearning website. All classes can be taken at your own pace. You will have first to create an account. Then you will get an online access to the E-learning through any laptop or tablet. You can repeat it as much as you want without time limitation.

Please visit mylearning.abb.com to login and register to get access.

J990E - Excitation basics

Gain a comprehensive understanding of the principles of excitation, the behavior of synchronous machines and the functionalities of the system main components. In addition, you will go through a detailed overview of reactive power, stability principles, operation limiters and Power system stabilizer (PSS) functions.

J131E – UNITROL® 1000

A class to deepen your knowledge on the functionality and operation of UNITROL® 1010 and 1020 excitation systems.

J810E – UNITROL® 6000 Light

Understand the role of the UNITROL® 6000 excitation systems within the power plant and get an overview of the system's main components.

J910E – SYNCHROTECT® 6 Learning

Learn the basics of synchronization, the importance of having safe and reliable technology to protect other equipment and people at the plant and the functionalities of our latest technology to achieve it, ABB SYNCHROTECT® 6.

Digital Classroom Training and Remote digital access on Real-Time Simulator

Check one of our digital classrooms right away: available in English, German or French, they are suitable for any time zone.

The combination of digital classroom set up and remote access to the ABB Excitation Real Time Simulator (RTS) give you the opportunity to experience a complete digital hands-on training.

No need to leave your plant or travel at all: ABB's flexible program can be fully taken from your facility and can be adapted to cover your specific technical needs.

Digital classes are available for:

- J840D-UNITROL 6000 Light/Medium Operation & Maintenance
- J850D-UNITROL 6000 X-POWER Operation & Maintenance
- G840D-MEGATROL Operation & Maintenance
- J131D-UNITROL 1020 Service & Commissioning
- J910D-SYN 6 Service & Commissioning
- ECT refresher for UNITROL 6000
- Control Builder programming refresher for UNITROL 6000
- UNITROL 1020 refresher
- UNITROL 1020 new function refresher

RTS connections are also available for rent on a monthly or yearly basis.

Contact us

Reach out to an ABB representative near you to get further details on our training program, subjects covered and the relevant schedules or to define the most appropriate learning path for your personnel.

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