Excitation and synchronization systems

E-learning programs

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 e-training programs and virtual classrooms for selected excitation systems.

Basic E-Learning Programs

Create an account on ABB MyLearning and start your learning journey at your own pace and on any device. Once enrolled, classes remain available to you indefinitely. Please visit mylearning.abb.com to login or register for the first time.

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 – SYNCHROTACT® 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 SYNCHROTACT® 6.
Virtual Classroom Training

The combination of virtual 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.

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

Virtual classes are available for:

- J840D-UNITROL 6000
- J131D-UNITROL 1020
- 3910D-SYN 6
- 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 to get more details about our training program details, subjects covered and schedule and to define the most appropriate learning path for your personnel.