



Energizing People > Powering the future



Drive Systems

Seminar No. 101 Fundamentals of variable-speed drives

Course Description:

Participants will learn about the selection process for drive systems and explore the basics of drive system engineering mechanical motion, basic models of DC, induction machines and synchronous electrical machines. Participants will learn about inverters with thyristors for DC and AC motors and IGBT converters for AC machines as well as a practical approach for control systems design. Additionally, they will understand the following drive systems: brushless motor, cyclo converter, and frequency converter for variable speed drives and DC drives.



Learning Outcomes:

Fundamental knowledge of the function of the components of electrical drives



Prerequisites:

Fundamental knowledge of basic electrical engineering & electronics



Participants:

Design, commissioning, operation and development engineers



Duration:

Five days



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