



Training Description

Project Planning for Servo Drives

This training is for anyone projecting and selecting drives with servo technology. It focuses on dimensioning the motors with gear unit, and the corresponding servo inverters. It especially focuses on multi-axis as well as single axis systems.

Target group: Construction engineers, project planners

Seminar objectives:

Participants will be able to:

- select a servo gearmotor and servo inverter with accessories
- assess the characteristics of servo inverters as well as the effects and factors required for evaluating the project planning for a drive
- identify the areas of application for servo inverters

Contents:

- Characteristics and basics of SEW servo drives
- Project planning for servo drives, taking the following information into account:
 - Velocity/time diagram
 - Load cycle
 - Setting range
 - Selection of components and options
 - Electromagnetic compatibility (EMC)
 - Ambient conditions
 - Mass moments of inertia
- corresponding project planning tools (SEW-Workbench)
- Selection of an adequate encoder system
- Servo drives with positioning capability
- Servo inverters on the fieldbus
- Communication

Requirements: Basic knowledge in drive selection and frequency inverter technology
Technical calculator

Methods: Educational dialogs, practical exercises

Location: SEW Melbourne

Duration: 2 days

Max. no. of participants: 8