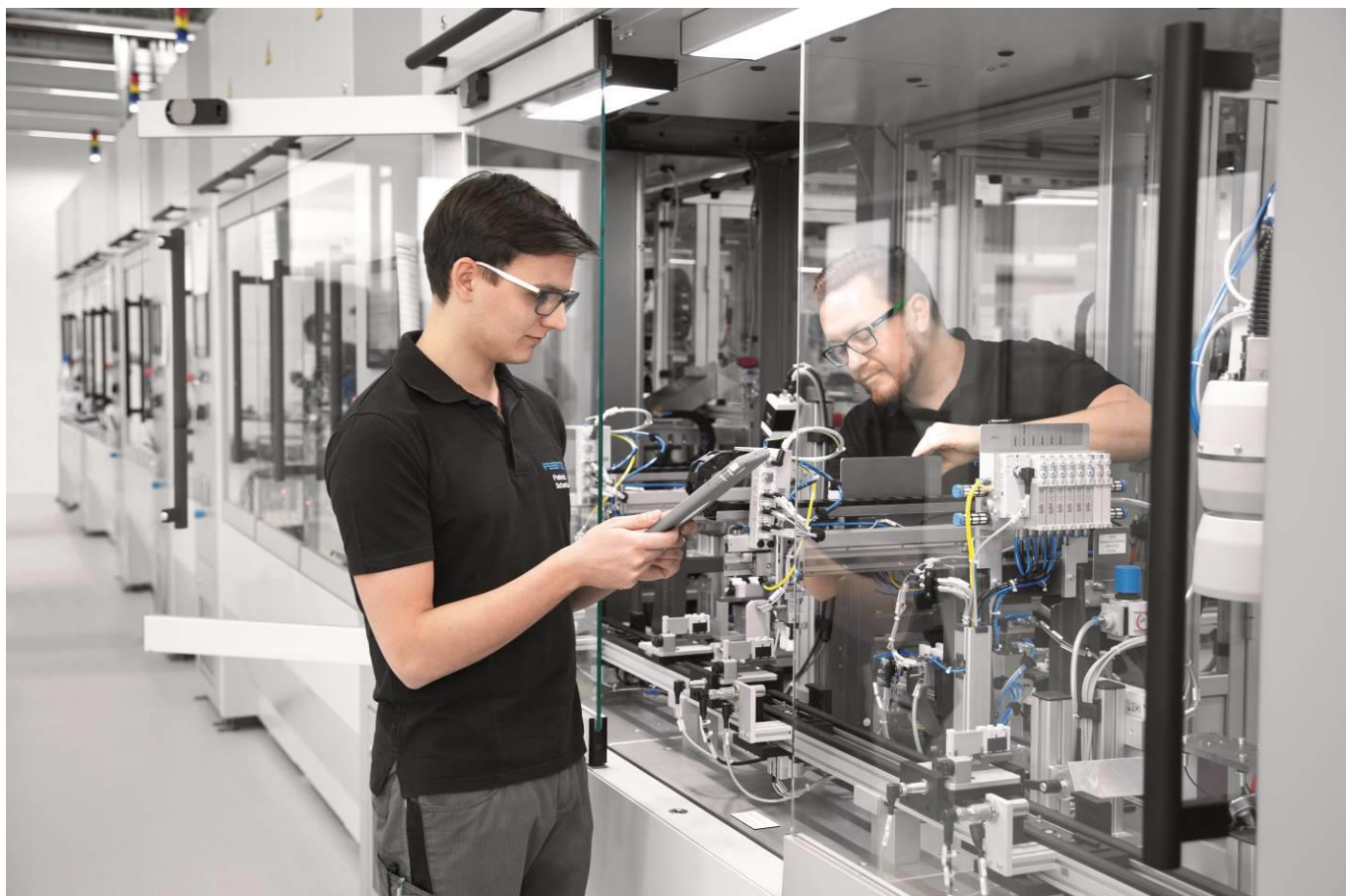


Festo Training and Consulting

From industry – for industry

FESTO



DT261

Smart Maintenance at the CP Factory/CP Lab

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The complexity of cyber-physical systems creates new opportunities for system maintenance, which also creates new requirements for maintenance specialists. The ability for Industry 4.0 to achieve one-piece-flow or make-to-order requires a high degree of machine availability and reliability. Maintenance specialists must determine new strategies and detect anomalies and problems before breakdowns occur, turning preventive into predictive maintenance.

This training provides information about the role of big data in maintenance and illustrates how to use condition monitoring. Consequently, participants comprehend and can apply smart maintenance strategies and measures. Performed on our own professional learning systems –CP Factory or CP Lab – this course embodies industrial training. Both systems convey highly complex technologies and digital production methods, encapsulating comprehensive training on Industry 4.0/Industrial Internet of Things topics.

DT261

Smart Maintenance at the CP Factory/ CP Lab

Training content

- Smart maintenance in smart factories
- Identifying weak points of machines and systems by using big data
- Estimate the risks of failures and financial loss
- Set service priorities according to lean management
- The concept of predictive maintenance
- The concept of usage dependent maintenance
- Spare-parts management
- Practical exercises and examples
- Maintenance with mobile devices

Training outcomes

After completing this training course, the participants:

- understand possible smart maintenance strategies
- can use data analysis and data correlation to determine simpler potential causes of faults
- can determine the risk of failure and subsequently define effective counter-measures
- are able to plan condition monitoring solutions and use predictive maintenance approaches

Target group

Specialists from maintenance and engineering/design as well as vocational teachers

Duration

1 or 2 days



All Festo Didactic training courses offer the following additional benefits:

- Post-tests can additionally be used to monitor the training effectiveness
- Our trainings can be customized and carried out worldwide (on demand)
- Trainings take place with real industrial components, used in a safe environment
- Our trainers are certified according to our internal trainer qualification „Festo Certified Training Professional“ and have many years of industrial experience