**Course duration**
1.0 hour, depending on personnel knowledge

**Course type**
This is a web-based training course. The course includes self-study material and self-assessment questions. The language of the course is English.

**Course goal**
The goal of this course is to introduce the product basics of the ABB actuators.

The training covers the following topics:
- Technical principles
- Product portfolio & technology
- Applications

**Student profile**
All ABB stakeholders (customers, universities, partners, …)

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**Course objectives**
Upon completion of this course, students will be able to:
- Define actuators and actuator systems
- Differentiate between electric / pneumatic / hydraulic actuators
- Differentiate between open and closed-loop control
- Define force and torque
- Define rotary and linear motion in valves
- Differentiate attachment options such as linkage bar assembly and direct mounting
- Describe the entire product portfolio
- Distinguish between linear and modulating actuators according to name and design
- Explain the basics of explosion protection and apply these to Contrac
- List the suitable devices for explosion protection
- Name the main fields of application of Contrac control actuators
- Describe the different applications
- Capitalize on the success stories

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**BU Measurement & Analytics**
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