## Learning path
**Practice with error analysis**

### BASIC TRAINING
- **HTG** Basic knowledge of hydraulics
- **HTB** Basic knowledge of hydraulics (eLearning)
- **eHTV** Basic knowledge of valve technology (eLearning)

### PRACTICE WITH ERROR ANALYSIS
- **HTP-I** Industrial hydraulics - On/off valves
- **HTP-A** Hydraulics pumps - Adjustment units and control equipment
- **HTP-M** Measurement and analysis
- **HTP-HAs** Hägglunds drive systems
- **HTP-MA** Modern electronics systems for axial-piston pumps
- **HTP-4** 2-Way on/off valve technology - Logic elements with practical exercises
- **HTP-H** Hydraulic pumps - Adjustment units and control equipment
- **HTP-M** Measurement and analysis
- **HTP-MA** Modern electronics systems for axial-piston pumps
- **HTPPu** Hydraulic pumps – Adjustment units and control equipment
- **HTRP** Practical hydraulics control technology
- **HED-G** Hydraulics – Electrification and digitization – Basics

### Notes

1) When you book the HTG training course you will receive a 12-month single license for the eHTB and eHTVT eLearning courses free of charge!
HTP-EV

**2-Way cartridge valve technology – Logic elements with practical exercises**

2-way cartridge valves are basic components used in numerous hydraulic applications. Their versatile applications and designs may, however, also lead to major problems in practice if you are not familiar with their features. This training introduces you to the different logic element designs and provides you with the appropriate knowledge.

**CONTENTS**
- Structure and function of 2-way cartridge valves (directional design, pressure limitation and reduction function, LC2A active logics)
- Overview of insert and cover types
- Basic circuit with logic elements in theory and in practical exercises
- Discussing simple circuit examples using existing systems

**LEARNING TARGET**
- Being familiar with 2-way cartridge valves as a versatile form of valve technology
- Knowing about basic circuits and logic elements
- Being able to select logic inserts and logic covers
- Knowing how to read circuit diagrams with 2-way cartridge valves

**PREREQUISITE**
Participation in the HTG/eHTB and eHTVT training courses or comparable knowledge

**TARGET GROUP**
Service technicians and planners/application engineers

**DATES (GERMAN)**
<table>
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<th>TRAINING LOCATION</th>
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<tr>
<td>March 9 - March 12, 2020</td>
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<tr>
<td>June 22 - June 25, 2020</td>
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<td>November 23 - November 26, 2020</td>
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**DATE (ENGLISH)**
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<th>TRAINING LOCATION</th>
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<td>October 5 - October 8, 2020</td>
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Please contact us for more dates and individual training courses. We would be happy to help you.

**TRAINING TIME**
4 days:
Day 1 10:00 AM – 4:15 PM
Days 2 and 3 8:00 AM – 4:15 PM
Day 4 8:00 AM – 3:30 PM

**PRICE**
€1,777.00 (net) / €2,114.63 (gross)

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**Learning path**

**Project planning**

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Learning path
Special topics, connected hydraulics and Sytronix

**BASIC TRAINING**

- HTG: Basic knowledge of hydraulics
- HT-BPSch: Basic knowledge of valve technology
- HTF: Basic knowledge of valve technology
- HTTV: Basic knowledge of valve technology
- HT-MP1: Basic knowledge of valve technology

**SPECIAL TOPICS**

- HT-CM: Filtering and cleaning in hydraulic systems
- HT-PaP: Hydraulic pumps
- HT-AC: Modern electronics systems for axial piston pumps
- HT-CytoPac: VT-HMC for hydraulic drives
- HTP: Accumulators in hydraulic systems
- HT-MP2: Sealing technology for fluid technology

**CONNECTED HYDRAULICS**

- HEDG: Hydraulics – Electrification and digitization basics
- HTP-MC2: IndraMotion MLC for hydraulic drives
- HT-CytoPac: VT-HMC for hydraulic drives
- HTP: Basic knowledge of hydraulics
- HTP-MC1: VT-MC for hydraulic area controller/AC/multichannel value
- HTP-MLC: IndraMotion MLC for hydraulic drives

**INTERMEDIATE TRAINING**

- DCA_eT: Controller technology for motion control
- HTV: In a single license
- HT-P: Free of charge

1. When you book the HTG training course you will receive a 12-month single license for the eHTB and eHTVT eLearning courses free of charge!

2. When you book the eESTG-SPS-2G training course you will receive a 12-month single license for the eESTG-SPS-2G eLearning courses free of charge!