



TRAINING COURSES

OVERHEAD POWER LINES



STRINGING MACHINES
MADE IN GERMANY

THEORY AND PRACTICE: COMBINED

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WELCOME TO OUR ZECK ACADEMY

MORE KNOWLEDGE, MORE SAFETY

Efficient and safe acting during stringing operations is a defining factor in the success of your projects. Trained expert personnel is decisive. During our ZECK ACADEMY programs, your staff learns to safely and competently take full advantage of the potential and performance of your ZECK machines, contributing sustainably to your success.

OUR NEW ZECK ACADEMY

We set the highest quality standards for our ZECK products and trainings. In our modern training center, equipped with an interactive white board, as well as the new testing area with tower, we have created ideal conditions to convey both theoretical and practical skills in a tangible way.



INDIVIDUAL TRAINING PROGRAMS



For a target-oriented training of your staff, it is possible to combine different trainings according to your needs and projects. Upon request, we develop in cooperation with you customized training programs for your expert personnel.

We are looking forward to receiving your inquiries.

Your ZECK ACADEMY



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LEGAL BASIS

TRAINING

A training at ZECK ACADEMY contains all legally required components of an instruction in a machine group as well as a technical troubleshooting and conveys profound expert and background knowledge regarding the application of equipment. Successful participation will be verified by a certificate.

DUTY OF CARE OF THE COMPANY

Every employer provides his employees with tools and machines so they are able to perform their work. This work equipment must be in technically safe working order. Employees must be informed about potential dangers during use and trained in the safe handling of the equipment. This applies to all work equipment of the company as well as rental machines. The company that has the duty of care for the employees is responsible for observing the safety requirements when handling the provided work equipment.

REALIZATION OF TRAINING | INSTRUCTION

The employer who has charged their employees with the execution of a task, must ensure that the respective persons are appropriately and expertly trained or instructed. In Germany, the current accident prevention regulations by the DGUV (German Social Accident Insurance) demands from the insured parties to provide an instruction for their employees at least once a year. (This requirement has been adopted from the BGV A1, regulations by the German trade association.)

ISO 9001

Certified training programme - in order to meet the highest quality demands of our customers and trainees. For this reason, we continuously check, develop and improve our training measures, in order to be able to guarantee the steadily increasing quality standards.







ZECK
STRINGING MACHINES
MADE IN GERMANY

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OPERATOR TRAINING FOR PULLER-TENSIONER



OBJECTIVE

Acquisition of technical knowledge and practical expertise for working with ZECK stringing machines. The successful participation is confirmed by a certificate



THEORY

- Structure of the machines
- Operating elements and machine functions
- Positioning, anchoring & grounding of machines
- Calculation of tension forces
- Forces applied to technical equipment
- Accident prevention and occupational safety



TARGET GROUP

- Machine operators
- Lateral entrants
- Apprentices



PRACTICE

- Positioning of machine (rule of 5° rope deviation)
- Installation of drum stands and reel winders
- Positioning the rope (left- and right-hand-lay rope)
- Machine operation
- Troubleshooting in case of failure



SPLIT

- 30 % theory
- 70 % practice



NUMBER OF PARTICIPANTS

6-10 persons



DURATION

2 days



PRICE

€ 650.00 per person plus VAT (incl. beverages and lunch)



LOCATION

ZECK ACADEMY



NOTICE

Work clothes and personal protective equipment are required for the practical training.

OPERATOR TRAINING FOR DRUM WINCH



OBJECTIVE

Acquisition of basic knowledge and expertise in operating the ZECK drum winches.
The successful participation is confirmed by a certificate.



TARGET GROUP

- Machine operators
- Lateral entrants
- Apprentices
- Workmen



THEORY

- Structure of the machines
- Operating elements and machine functions
- Positioning, anchoring & grounding of machines
- Forces applied to the equipment
- Accident prevention and occupational safety



PRACTICE

- Positioning the machines
- Operating the machines
- Troubleshooting in case of malfunction
- Accident prevention and occupational safety
- Rope exchange and correct adjustment of the rope guidance



SPLIT

- 30 % theory
- 70 % practice



NUMBER OF PARTICIPANTS

6-10 persons



DURATION

1/2 day



PRICE

€ 175.00 per person plus VAT (incl. beverages)



LOCATION

ZECK ACADEMY



NOTICE

Work clothes and personal protective equipment are required for the practical training.





OPERATOR TRAINING FOR LINE CAR



OBJECTIVE

Acquisition of basic knowledge and practical skills in operating ZECK line cars. The successful participation is confirmed by a certificate.



TARGET GROUP

- Machine operators
- Lateral entrants
- Apprentices
- Workmen
- Site managers



THEORY

- Structure and components of a line car
- Operating elements and machine functions
- Using the lifting device
- Accident prevention and occupational safety



PRACTICE

- Safe handling and correct installation of line car on conductors
- Practical operation of line car in testing area including crossing of suspension set
- Line car rescue



SPLIT

- 20 % theory
- 80 % practice



NUMBER OF PARTICIPANTS

5-8 persons



DURATION

1 day



PRICE

€ 375.00 per person plus VAT (incl. beverages and lunch)



LOCATION

ZECK ACADEMY



NOTICE

Work clothes and personal protective equipment against falls from a height are required for the practical training.

OPERATOR TRAINING FOR PULLING ROBOT



OBJECTIVE

Acquisition of basic knowledge and practical skills in operating the ZECK pulling robot. The successful participation is confirmed by a certificate.



TARGET GROUP

- Machine operators
- Lateral entrants
- Apprentices
- Site managers



THEORY

- Operating elements and machine functions
- Accident prevention and occupational safety
- Structure and components of a pulling robot



PRACTICE

- Safe handling and correct installation of pulling robot on conductors
- Correct use of cradle blocks, recovering device and line tensioner
- Correct battery change
- Operating the pulling robot in the testing area



SPLIT

- 30 % theory
- 70 % practice



NUMBER OF PARTICIPANTS

5-10 persons



DURATION

1/2 day



PRICE

€ 200.00 per person plus VAT (incl. beverages)



LOCATION

ZECK ACADEMY



NOTICE

Work clothes and personal protective equipment against falls from a height are required for the practical training.





WORKSHOP FOR CONSTRUCTION INSPECTORS AND SAFETY OFFICERS OCCUPATIONAL SAFETY AND ACCIDENT PREVENTION



OBJECTIVE

Acquisition of basic knowledge and expertise in accident prevention and occupational safety when handling ZECK machines (puller-tensioner, drum winch, line car). The successful participation is confirmed by a certificate.



TARGET GROUP

- Construction inspectors
- Safety officers



THEORY

- Correct control of safety regulations during positioning, anchoring and grounding of machines under observation of applied forces on technical equipment
- Positioning of machine (rule of 5° rope deviation for the prevention of birdcaging)
- Danger zones at puller and tensioner site
- Validity of CE marking according to accident prevention and occupational safety
- Calculation of critical values accident analysis



PRACTICE

- Identification and assessment of danger zones at the machine site
- Induction to safety devices of machines (puller-tensioner, drum winch, line car)



SPLIT

- 60 % theory
- 40 % practice



NUMBER OF PARTICIPANTS

5-12 persons



DURATION

3 days



PRICE

€ 875.00 per person plus VAT (incl. beverages and lunch)



LOCATION

ZECK ACADEMY



NOTICE

Work clothes and personal protective equipment against falls from a height are required for the practical training.

TOWER ERECTION WITH DRUM WINCHES



OBJECTIVE

Acquisition of basic and technical knowledge in operating ZECK drum winches.
The successful participation is confirmed by a certificate.



THEORY

- Methods of tower erection
- Use and designs of gin poles
- Design of technical equipment
- Tower and gin pole calculations
- Accident prevention and occupational safety



SPLIT

- 30 % theory
- 70 % practice



DURATION

2 day



LOCATION

ZECK ACADEMY



TARGET GROUP

- Machine operators
- Site managers



PRACTICE

- Positioning and anchoring of machines
- Erection of first section with a drum winch
- Installing the tension ropes and the support ropes
- Elevating the gin pole to install the second section



NUMBER OF PARTICIPANTS

6-12 persons



PRICE

€ 4,500.00 per person plus VAT (incl. beverages and lunch)



NOTICE

Work clothes and personal protective equipment against falls from a height are required for the practical training.





PLANNING AND STRINGING OPERATIONS IN PROXIMITY TO LIVE LINES



OBJECTIVE

Acquisition of basic knowledge and expertise of planning and stringing operations in proximity to live parts. The successful participation is confirmed by a certificate.



TARGET GROUP

- Engineers
- Site managers
- Specialists of network operators



THEORY

- Planning of the stringing operation (work and time calculation)
- Basic knowledge (voltage level, minimal and safety distances, ground fault, distances for working under live lines, step potential, grounding resistance)
- Specific characteristics of OPGW as well as OPPC installation and stringing operations of optical fiber
- Installation methods (twin-line system, tri-line system)
- Calculation of number of cradle blocks and synthetic fiber ropes (including practical examples)
- Calculation of ropes
- Alternatives to the standard procedure
- Accident prevention and occupational safety



PRACTICE

- Safe handling and correct installation of pulling robot on conductors
- Correct use of cradle blocks, recovering device and line tensioner
- Correct battery change
- Operating the pulling robot in the testing area



SPLIT

- 80 % theory
- 20 % practice



NUMBER OF PARTICIPANTS

8-12 persons



DURATION

2 days



PRICE

€ 4,000.00 per training plus VAT (incl. beverages and lunch)



LOCATION

ZECK ACADEMY



NOTICE

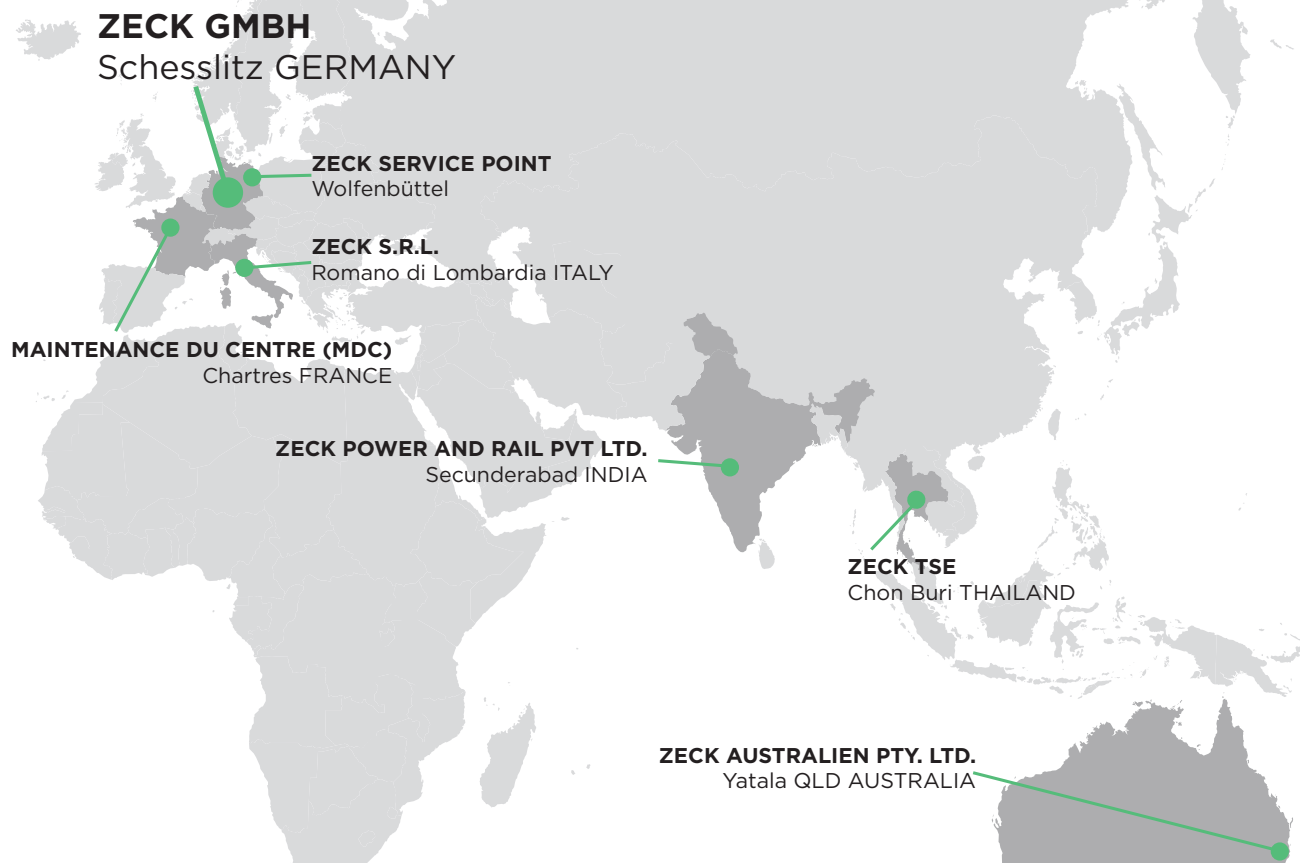
Work clothes and personal protective equipment against falls from a height are required for the practical training.

ZECK ACADEMY

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