

# The Seminar Programme

10.2015



*Partner of Experts*

**STAHL**  
CraneSystems



# The Seminar Programme

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People are a company's most valuable capital, so investing in your staff's qualification is the sensible thing to do. In STAHL CraneSystems you have a competent partner at your side. You can rely absolutely on our many years of expertise and our practical approach.

For the knowledge you gain from us comes directly from a manufacturer of hoist technology and crane components. We communicate practical and theoretical knowledge which will stand you in good stead in your day-to-day work. The seminars described here cover all main product groups. However we would also be pleased to base a special programme on your individual specifications and requirements. The training courses can be booked as separate modules or form part of long-term continuing training. A certificate is awarded on completing the seminar.

We look forward to welcoming you!



# Support

STAHL CraneSystems can look back on more than 130 years of history. The constant drive for innovation, significant modernisations and receptivity to new aspects are the impetus for our continued development. We have always played a decisive role in drawing up general safety regulations in the field of hoist and crane technology.

Quality right down to the most minor detail is the standard to which we are committed. Not only as regards crane technology, but as regards customer support too. You will find hoist and crane technology from STAHL CraneSystems all over the world. Developed by engineers and experts, manufactured with the utmost diligence.

When it comes to sales, we are committed exclusively to capable, professional crane manufacturing partners. You can expect optimum support from them when your individual crane system with components from STAHL CraneSystems is at stake. Consulting and erection of a new system, system-oriented testing and maintenance, modernisation, spare parts supply and training courses. Working together with our subsidiaries and crane manufacturing partners we offer you perfectly coordinated support all over the world.

## Training courses

Our regional crane manufacturing partners are regularly brought up to date with training courses, seminars and information material. You too can profit directly from our expertise. We communicate practical and theoretical knowledge in our own training centre or on your premises. The seminars on offer in the form of single-subject, basic and advanced courses cover all main product groups. However we would also be pleased to match a special programme to your individual specifications and requirements.

## Original spare parts

Our own subsidiaries and numerous partners all around the world ensure reliable spare parts supply and professional assistance on the spot. Even decades after a series has been discontinued we guarantee world-wide prompt original spare parts service right around the clock.

## Factory service centre – in action all over the world

Our factory service centre is a service for our customers: wherever you are we assist your crane or systems manufacturer on site with our experience and expertise whenever he needs us. Up-to-date diagnostic apparatus and condition monitoring systems stand by to support professional service and maintenance work. Not only you, but your system, are in safe hands. You can rely on us.



# The seminars offered

## Product seminars

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### Chain hoist

- Aimed at: service and maintenance staff
- Course content: instruction on chain hoists and their components, in particular structure, testing in accordance with accident prevention regulations, service and maintenance.

### Wire rope hoist

- Aimed at: service and maintenance staff
- Content: instruction on wire rope hoists and their components, in particular structure, testing in accordance with accident prevention regulations, service and maintenance.

### Combined wire rope and chain hoist seminar

- Aimed at: service and maintenance staff
- Course content: instruction on chain and wire rope hoists and their components, in particular structure, testing in accordance with accident prevention regulations, service and maintenance.

## → We recommend

Stay on the ball! If it has been more than three years since you visited one of our seminars, we recommend refreshing your knowledge. Then you can be sure that you are always right up to date.

## Specialised seminars

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### Fundamentals of explosion protection

- Participants: staff concerned with explosion protection.
- Course content: specialised knowledge on explosion protection, difference between and marking of components protected against gas and dust explosions.

### Explosion-protected hoists

- Participants: maintenance staff with experience in maintenance and repair of standard hoists.
- Course content: specialised knowledge on explosion protection, maintenance and repair of explosion-protected hoists and components.
- Preparatory seminar: combined wire rope and chain hoist seminar

## Individual customer seminars

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- Seminars can also be held on our partners' or customers' premises. Course content and costs to be agreed individually.

# Chain hoist

Well trained specialist staff is the foundation for a high standard of safety in day-to-day work and a prerequisite for the operational availability of your crane system. If a chain hoist should fail, profound understanding of the hoist is necessary to be able to diagnose the fault reliably. The seminar provides instruction on technology, testing, servicing and maintenance of chain hoists with components from STAHL CraneSystems.



## Course content

- Safety information on erection, service and maintenance of materials handling components
- Theoretical instruction on our chain hoists
- Practical work: maintenance and repairs on chain hoists
- Travel motors: inspection and maintenance
- Chains: construction, selection, care and replacement state of wear
- Crane tests

## Learning target

After taking part in this seminar you are able to carry out tests, servicing and maintenance work on our chain hoists and their travel motors.

## Participants

In-house maintenance staff. The requirement for participation is completed vocational training in mechanics or electrics. The number of participants is limited to eight as small groups result in greater learning success.

## Venue

Training centre, Künzelsau plant,  
or on customer's premises

## Date

Dates on request or at:

<http://stahlcranes.com/de/support/kundenseminare.php>

## What we provide

- 1-day specialist seminar
- Midday meal and refreshments

# Wire rope hoist

Well trained specialist staff is the foundation for a high standard of safety in day-to-day work and a prerequisite for the operational availability of your crane system. If a wire rope hoist should fail, profound understanding of the hoist is necessary to be able to diagnose the fault reliably. The seminar provides instruction on technology, testing, servicing and maintenance of wire rope hoists with components from STAHL CraneSystems.



## Course content

- Safety information on erection, service and maintenance of materials handling components
- Theoretical instruction on our wire rope hoists
- Practical work: maintenance and repairs on wire rope hoists
- Travel motors: inspection and maintenance
- Wire ropes: construction, selection, care and replacement state of wear
- Crane tests

## Learning target

After taking part in this seminar you are able to carry out tests, servicing and maintenance work on our wire rope hoists and their travel motors.

## Participants

In-house maintenance staff. The requirement for participation is completed vocational training in mechanics or electrics. The number of participants is limited to eight as small groups result in greater learning success.

## Venue

Training centre, Künzelsau plant,  
or on customer's premises

## Date

Dates on request or at:

<http://stahlcranes.com/de/support/kundenseminare.php>

## What we provide

- 1-day specialist seminar
- Midday meal and refreshments

# Wire rope and chain hoist

Well trained specialist staff is the foundation for a high standard of safety in day-to-day work and a prerequisite for the operational availability of your crane system. If a wire rope or chain hoist should fail, profound understanding of the hoist is necessary to be able to diagnose the fault reliably. The seminar provides instruction on technology, testing, servicing and maintenance of wire rope and chain hoists with components from STAHL CraneSystems.



## Course content

- Safety information on erection, service and maintenance of materials handling components
- Theoretical instruction on our wire rope hoists
- Practical work: maintenance and repairs on wire rope hoists
- Theoretical instruction on our chain hoists
- Practical work: maintenance and repairs on chain hoists
- Travel motors: inspection and maintenance
- Chains and wire ropes: construction, selection, care and replacement state of wear
- Crane tests

## Learning target

After taking part in this seminar you are able to carry out tests, servicing and maintenance work on our chain and wire rope hoists and their travel motors.

## Participants

In-house maintenance staff. The requirement for participation is completed vocational training in mechanics or electrics. The number of participants is limited to eight as small groups result in greater learning success.

## Location

Training centre, Künzelsau plant,  
or on customer's premises

## Date

Dates on request or at:

<http://stahlcranes.com/de/support/kundenseminare.php>

## What we provide

- 2-day specialist seminar
- Midday meals and refreshments

# Fundamentals of explosion protection

Electrical and non-electrical equipment used in potentially explosive atmospheres must be designed in such a way that it cannot become an ignition source. Safety regulations, laws, regulations and standards exist in most states to prevent serious injury and damage to property and the environment. The European Community has created a uniform European explosion protection regulation in the form of the ATEX directives. The training course "Fundamentals of explosion protection" covers these regulations in addition to basic physical principles and information on standards, zones and types of ignition protection.



## Content

- Fundamentals of explosion protection
- Basic physical principles
- Integrated explosion protection
- European regulations on explosion protection
- Standards and zone classification
- Gas and dust ignition protection
- Installation methods
- Selection of apparatus and marking
- Conformity assessment

## Learning target

This seminar provides specialised knowledge relating to explosion protection in compliance with European ATEX directives. After taking part in this seminar, participants are able to differentiate between components protected against gas and dust explosions and to understand their marking conforming to standards.

## Participants

Staff from all departments of a company who are required to address the subject of explosion protection.

## Location

In Künzelsau plant, or as an option on customer's premises

## Date

Dates on request

## What we provide

- half-day specialised seminar (theory)

# Explosion-protected hoists

In addition to technical skills, the maintenance and repair of explosion-protected apparatus requires basic knowledge on the dangers arising from explosive atmospheres and comprehension of current explosion protection directives. With nearly 100 years of experience in developing explosion-protected hoists, STAHL Crane-Systems has comprehensive experience in this field. This seminar provides instruction both on the construction of our explosion-protected products and safety-relevant components and specialised knowledge relating to explosion protection in compliance with European ATEX directives.



## Content

- Construction of explosion-protected wire rope and chain hoists
- Construction of explosion-protected components
- Maintenance and repair of hoist and travel motors
- Temperature control for Zone 1 and Zone 21
- Maintenance of explosion-protected panel boxes in Ex de design
- Maintenance and adjustment of overload devices
- Electrical installation of hoists
- Equipotential bonding acc. to DIN VDE 0100 part 200
- General maintenance instructions

## Learning target

This seminar provides specialised knowledge relating to explosion protection in compliance with European ATEX directives. After taking part, the participants are able to perform maintenance and repairs on explosion-protected hoists and components.

## Participants

In-house maintenance staff with experience in the maintenance and repair of standard hoists. Previous participation in the combined wire rope and chain hoist seminar is good preparation. The number of participants is limited to 10 as small groups result in greater learning success.

## Location

In Künzelsau plant, or as an option on customer's premises

## Date

Dates on request

## What we provide

- 1.5 day specialised seminar

# Organisation

## We'll bring you up to date.

Comprehensive knowledge of the individual products from STAHL CraneSystems and their use is a prerequisite for handling equipment correctly and to the operating company's satisfaction. We communicate specialist knowledge for the correct use, monitoring and care of your system. Our instructors guarantee professional, practice-oriented and effective training.

## The advantages of our seminars in the Künzelsau plant

- Media-assisted classrooms
- Communication media
- Original products
- Demonstration models
- Selected additional literature
- Information exchange
- Tour of the plant



# Organisation

## Registration

Registration for the seminars must always be in writing at the latest three weeks before the seminar begins. Please appreciate that telephone registration is only a provisional reservation. After receipt of your written registration STAHL CraneSystems will send firm confirmation of your participation.

## Cancellations

A seminar must always be cancelled in writing. If written cancellation is received up to 10 days before the seminar begins we will charge a handling fee of 100 Euro. If the cancellation is not received in due time or the participant does not appear on the specified date the full seminar fee will be invoiced.

## Seminar fees

The fees for the individual seminars are available on request (see Contact). The seminar fee will be invoiced immediately after conclusion of the seminar. Please settle the invoice without delay and strictly net. Our General Terms of Delivery apply. Seminar fees in our training centre include snacks, refreshments, midday meals, and depending on the individual seminar one evening meal and a certificate of completion. In addition we will charge mileage for the instructor's travel and overnight expenses if the seminar should take place on the customer's premises.

## Hotel reservations

Please book your hotel rooms yourself. We suggest the following hotels:

- Hotel-Restaurant Nicklass  
74653 Ingelfingen  
Tel +49 7940 9101-0  
Fax +49 7940 9101-99  
[www.haus-nicklass.de](http://www.haus-nicklass.de)
- Landhotel Gasthof Krone  
74635 Eschental  
Tel +49 7944-670  
Fax +49 7944-6767  
[www.krone-eschental.de](http://www.krone-eschental.de)
- Gasthof Adler  
74547 Übrigshausen  
Tel +49 7944-459  
Fax +49 7944-9405070
- Gasthof Adler  
74653 Künzelsau-Garnberg  
Tel +49 7940 9296-0  
Fax +49 7940 9296-50  
[www.adler-kuenzelsau.de](http://www.adler-kuenzelsau.de)
- Landhotel Rössle  
74676 Niedernhall  
Tel +49 7940 98366-0  
Fax +49 7940 98366-40  
[www.landhotel-roessle.com](http://www.landhotel-roessle.com)

You will find directions to the hotels on their websites.

# Contact

## Organisation and registration

Petra Rückgauer

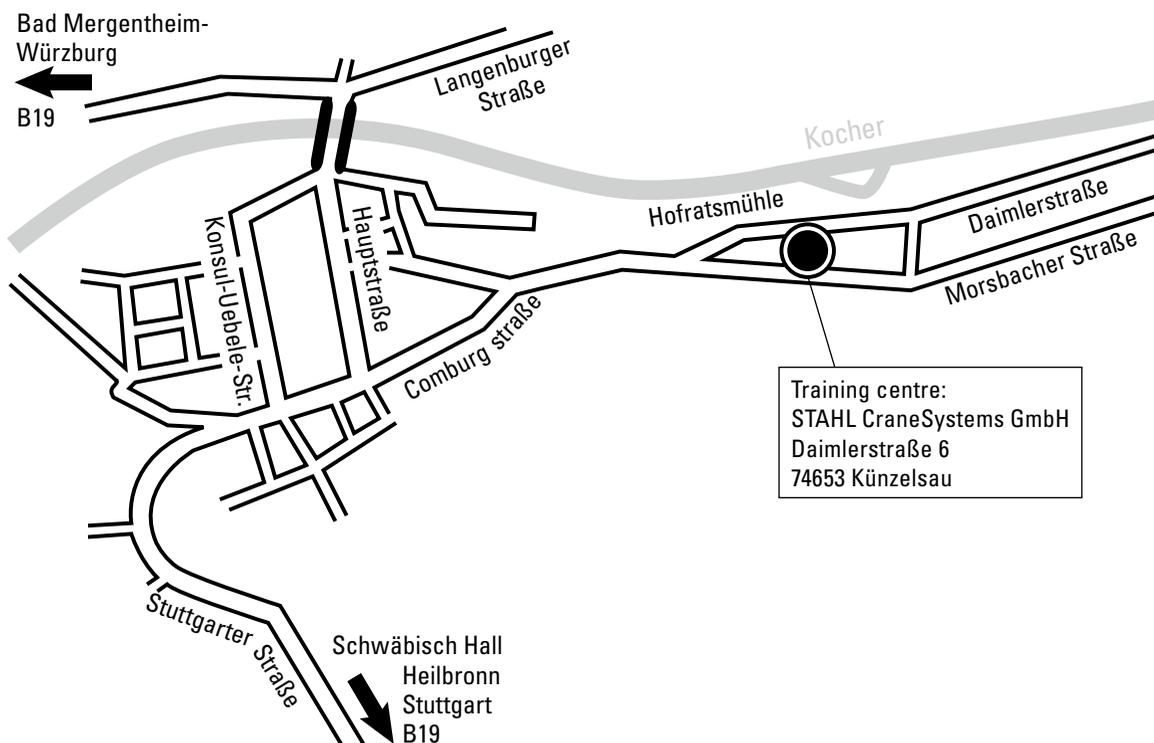
Tel +49 7940 128-2354

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## How to find us

Our headquarters is in the town of Künzelsau in the Hohenlohe region of South Germany. You can reach us on the A6/E50 motorway from Heilbronn or Nürnberg. Exit the motorway at Junction 42 (Kupferzell) and follow the B19 to Künzelsau. Our plant is on the outskirts of town. Drive through Künzelsau in the direction of Morsbach, "Fachhochschule". Approx. 500 m beyond the sign denoting the town limits turn left to Hofratsmühle. You will shortly see STAHL CraneSystems on the right. We look forward to your visit!



Argentina Australia Austria Belgium Brazil Canada Chile **China** Columbia Croatia Czech Republic  
Denmark Ecuador Egypt Estonia Finland **France** Germany **Great Britain** Greece Hong Kong Hungary **India** Indonesia

Ireland Israel **Italy** Jordan Latvia Lebanon Lithuania Malaysia Mexico Netherlands  
Nigeria Norway Pakistan Peru Philippines Poland **Portugal** Rumania Russia

**Singapore** Slovakia Slovenia South Africa South Korea **Spain** Sweden Syria  
Taiwan Thailand Turkey **UAE** Uruguay **USA** Venezuela Vietnam

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