

Fleming.

INTERNATIONAL TRAINING COURSE

Trenchless CIPP, Design, Planning and Installation

28 – 29 September 2016 in Berlin, Germany

5 workshops
included

Your prominent trainer:



Graham Evans
*Director, E R Technical
Services*

Key takeaways:

- ☼ Identify which solutions and technologies suit your projects
- ☼ Learn from case studies delivered by our trainer
- ☼ Prevent bad habits and short cuts by learning about best practices
- ☼ Hands-on course content – gained knowledge may be implemented in your daily professional affairs right away

About your prominent trainer:



Graham Evans
Director, ER
Technical Services

Graham Evans has over 30 years experience in civil engineering and utilities practices. In 1995 he took over the management of the Sewer Lining Division in Biggs Wall Ltd. and transformed it into a major contributor to company profits. Later on in his career he carried out the role of independent consultant in the field of pipeline contracting with clients including AWE and British Gas. In 1999 he developed E.R.Systems Ltd. The Company was formed as a supplier to the small bore drainage industry and grew to have a major market share in this field. Among other activities ER Technical Services specialises in training of Cured-in- place lining (CIPP).

Course objectives and outcomes:

This course is designed to deliver a comprehensive understanding of CIPP technology and knowledge required for correct choice of the products not to be detoured by sales oriented topics.

After completion of the course delegates will have a clear perception of systems safety, planning, design and installation through delivery of detailed engineering content. Delegates will also have the ability to identify why and when to use specific groups of solutions.

In-house training

Cost effective in-house courses tailored specifically for and customised to your organisation's needs, can be arranged at your preferred location and time. If you would like to discuss this opportunity further, please contact our in-house training division at igor.kottman@fleming.events

CIPP Technology

Cured-in-place Pipe Lining techniques can be used to renovate majority of gravity pipelines, culverts and pressure pipelines used for utility services as well as other process effluents pipelines e.g. food and drink industries. In general, circular pipes can be lined depending on the curing methods available. In addition, non-circular pipelines such as egg-shape, other ovoid and box culvert sections may also be lined. The installation length may vary from short sections over a joint or defect for a localized repair to full length linings typically 30m to 200m although lengths of up to 900m have been installed in a single operation.

Participants will gain knowledge on the most important and modern aspects of CIPP:

- ✓ Resins and Carrier Materials
- ✓ Local vs. Full Length
- ✓ Procedures and Processes
- ✓ Design and Technical Decisions
- ✓ Testing
- ✓ Planning
- ✓ Pre-works and Post-works
- ✓ Limitations of the Technology
- ✓ Failure and Defect Analysis

Our course includes 5 workshops:

- ✓ Investigate a possible CIPP scheme
- ✓ Design a CIPP scheme
- ✓ Program a CIPP scheme
- ✓ Program initial investigation to post-lining survey
- ✓ Learning from example projects

Who should attend:

Consultants, Design Engineers, Site Managers, Specifiers, Water Company Planners, Developers, Main Contractor Engineers

Day 1

8:30 Registration

9:00 Trenchless Technology – Why? When? How?

- CIPP Lining – history
- Latest developments in CIPP SYSTEMS
- Technique awareness
- Critical Failure of drainage pipes
- UV, steam cure, air and water
- Local vs. full strength
- Alternative solutions

10:30 Break

11:00 Technical Aspects of a CIPP Solution

- Resins
- Carrier materials
- System limitations
- Typical project examples
- Introducing designing and technical decisions
- Critical failure, safe hand, ring stiffness and design
- Project examples and case studies
- Workshop: “Investigate a possible CIPP scheme”

12:30 Lunch

13:30 Solution Management

- Procedures and processes
- Techniques within size ranges
- Introducing design and technical decisions
- Investigation, design and pre-works
- Process limitations
- Partial repairs, lateral lining and connection sealing

15:00 Break

15:30 Technical Design

- Single end lining techniques
- Workshop: “Design a CIPP scheme”
- Specifications
- Testing requirements
- System selection
- Non-standard liner construction
- Method of work analysis

17:00 End of Day 1

Day 2

9:00 Project Planning

- Managing a CIPP project
- Risks assessment
- Programming CIPP works
- The testing process
- Planning, design, pre-works, post-works
- Ancillary works and techniques
- Workshop: “Program a CIPP scheme”

10:30 Break

11:00 Technical Quality

- Failure or defect analysis
- Liner impregnation
- principles and calculations
- Liner installation site requirements
- Liner cure, theory and practice
- Safety and environmental consideration

12:30 Lunch

13:30 Managing Installation

- Workshop: “Program initial investigation to post-lining survey”
- Installation problem solving
- How to guarantee quality
- Identify equipment requirements
- Workshop: “Learning from example projects”

15:00 Break

15:30 Making an informed solution choice

- Designing a project specification
- Programming the works
- Quality control
- Operative training
- CIPP lining in pressure pipes
- The future of CIPP lining technology

17:00 End of the Course

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28 – 29 September 2016 in Berlin, Germany

Sales Contract

Code: BATD_194

PLEASE COMPLETE THIS FORM AND SEND IT BACK TO:

PHONE: + 421 257 272 152
E-MAIL TO: steve.harrison@flaming.events
OR FAX: + 421 257 272 277

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Ms Mrs Mr

Name: _____

Job Title: _____

Email: _____

Ms Mrs Mr

Name: _____

Job Title: _____

Email: _____

Ms Mrs Mr

Name: _____

Job Title: _____

Email: _____

Company/Organisation Details

Name: _____

VAT Number: _____
VAT No. for EU members / Tax Number for non-EU members)

Contact person: _____

Email: _____

Address: _____

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Under EU and German tax regulations the delegates are required to pay VAT in any conference taking place in the Germany. Delegates may be entitled to reclaim this cost.

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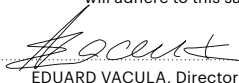
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In the name of Fleming Events s.r.o. I hereby declare Fleming Events s.r.o. will adhere to this sales contract & terms & conditions


EDUARD VACULA, Director

Fleming Events, s.r.o.

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Terms and Conditions:

- PAYMENT TERMS.** Fleming Events, s.r.o. (hereinafter as "FE") requires the full payment of the invoiced amount within 7 working days from the issue date of the invoice. FE reserves the right to refuse entry to any client who does not pay the invoice in full and on time. If the payment is not received on FE's account on the seventh day from the date of the issue of the invoice, FE is entitled to charge the Client an overdue interest of 5% p.a. for every day, for which the Client's payment is overdue. The registration fee includes: conference documentation, admission to all conference sessions, lunches and refreshments, admission to networking social breaks during the event. The registration fee does not include: travel, hotel accommodation, transfers or insurance.
- HOTEL ACCOMMODATION.** Overnight accommodation is not included in the registration fee. A reduced rate may be available for FE's clients at the hotel hosting the event. The reservation form will be sent to the client after the venue has been confirmed, but no later than one month before the event begins.
- CANCELLATION BY CLIENT.** The client has the right to cancel his/her participation in the event. Cancellation must be received by FE in writing, either by mail, email or fax. If the client cancels with more than one month's advance notice before the start of the event, FE shall be entitled to retain and charge 50% of the total invoiced amount. If the client cancels with one month's (or less) advance notice, or fails to attend the event, then the client shall not be entitled to any refund nor any discount. Client's failure to attend the event does not cancel, decrease or in any matter waives the client's obligation to fully pay the fee invoiced to the client by FE.
- CANCELLATION BY FE.** While every reasonable effort is made to adhere to the advertised program, circumstances out of the control of FE can arise, which may cause changes in the program, including but not limited to changes in the content, date(s), location or venue, or special features of the planned event. Such circumstances include but are not limited to acts of terrorism, war, extreme weather conditions, compliance with government requests, orders and legal requirements, failure of third party suppliers to timely deliver, and failure to register the minimum targeted amount of attendees for a given event. FE reserves the right to change the content, date(s), location or venue and/or special features of an event, to merge the event with another event, or to postpone it or cancel it entirely as appropriate under the circumstances. Client agrees that FE shall not be liable for any cost, damage or expense which may be incurred by client as a consequence of the event being changed, merged with another event, postponed or cancelled and client agrees to hold FE harmless and to indemnify FE for any liability caused by any such changes, mergers, postponements or cancellations to the Client.
- CANCELLATION OF THE EVENT.** In case FE cancels the event, FE may offer the client a full credit up to the amount actually paid by the client to FE. This credit shall be valid for up to one year from the issue date of the invoice to attend any of FE's events. The client shall not be entitled to this credit as a contractual right.
- CLIENTS IDENTIFICATION INFORMATION.** By signing of this sales contract and these terms and conditions the client gives full right to FE to share the client's identification information such as, but not limited to, client's name, address, email addresses, phone numbers and names of representatives with third parties, which participated on the same event as the client.
- GOVERNING LAW.** This contract shall be governed and construed in accordance with the laws of the Slovak Republic (not including its conflict of laws provisions). Any disputes arising out of this contract shall be brought before the courts of the Slovak Republic situated in the city of Bratislava in the Slovak Republic.
- INDEMNIFICATION.** To the fullest extent permitted by the law, you agree to protect, indemnify, defend and hold harmless FE, its owners, managers, partners, subsidiaries, affiliates, officers, directors, employees and agents, from and against any and all claims, losses or damages to persons or property, governmental charges or fines, penalties, and costs (including reasonable attorney's fees) (collectively "the Claims"), in any way arising out of or relating to the event that is the subject of this contract, and regardless of negligence, included but not limited to, Claims arising out of the negligence, gross negligence or intentional misconduct of FE employees, agents, contractors, and attendees; provided, however, that nothing in this indemnification shall require you to indemnify FE indemnified parties for that portion of any Claim arising out of the sole negligence, gross negligence or intentional misconduct of the FE parties.
- OTHER CURRENCIES.** In case that client requests payment in other than FE's official currency (EUR), FE reserves the right to apply 8% currency risk surcharge to the actual exchange rate.
- OTHER CONDITIONS.** Any terms or conditions contained in the client's acceptance which contradict or are different from the terms and conditions of this registration document shall not become part of the contract unless individually negotiated with FE and expressly accepted by FE.