



TREVOR JEE ASSOCIATES
ENGINEERING CONSULTANTS

Offshore pipeline construction

An intensive information course for
oil industry professionals

Houston

18-20 March 2003



Covers all installation methods & support activities

ABOUT THE COURSE

Success in offshore pipeline construction is increasingly reliant on two things: seeing how all activities fit together in the big picture, and appreciating the technical detail. This course embraces the whole of offshore pipeline construction and the impact of the engineering principles behind it.

Offshore pipeline construction is an intensive three-day course where you learn and develop your skills.

You receive a series of multi-media presentations interspersed with videos and technical exercises or group discussions to drive the points home, backed up with a set of comprehensive notes which form a technical reference source after the course.

All this is set in the historic Wyndham Hotel, giving you a comfortable learning environment away from the office, complete with tempting cuisine and use of their leisure facilities.

WHO SHOULD ATTEND?

Pipeline engineers Construction personnel Project engineers
 Anyone with an interest or involvement in offshore construction of pipelines

DAY 1	DAY 2	DAY 3
<p>S-lay</p> <ul style="list-style-type: none"> Vessels and market S-lay process Laystress analysis S-lay performance <p>Bundles</p> <ul style="list-style-type: none"> Design of bundles Fabrication, installation Towheads Insulation and heating Deep water <p>J-lay</p> <ul style="list-style-type: none"> Principles of J-lay Vessels Assembly sequence Performance Catenaries Exercise and discussion <p>Flexibles</p> <ul style="list-style-type: none"> Flexible structure Manufacture Market Installation process Risers Umbilicals Mechanical connectors 	<p>Reel-lay</p> <ul style="list-style-type: none"> History Vessel market Fabrication/installation Welding processes Reel tension and ovalisation Exercise and discussion <p>Landfalls</p> <ul style="list-style-type: none"> Pull offshore Pull onshore Directional drilling <p>Tie-ins</p> <ul style="list-style-type: none"> Conventional Diverless connections Tie-in of laterals Isolations, hot taps <p>Decommissioning</p> <ul style="list-style-type: none"> Current status Methods Recovery and re-use <p>Management systems</p> <ul style="list-style-type: none"> Quality assurance Health, safety, and environment Risk management <p>COURSE DINNER</p>	<p>Survey</p> <ul style="list-style-type: none"> Geophysical Geotechnical Methods <p>Sweeping</p> <ul style="list-style-type: none"> Sandwave sweeping Rock outcrop removal <p>Diving and ROV</p> <ul style="list-style-type: none"> Companies Diving operations ROV types <p>Pre-commissioning</p> <ul style="list-style-type: none"> Gauging and flooding Hydrotest Finding and fixing leaks Dewatering and drying <p>Trenching</p> <ul style="list-style-type: none"> Ploughs, jetters Cutters, dredgers <p>Protection</p> <ul style="list-style-type: none"> Hazards Backfill, rock-dump Mattresses Protection structures

UPDATED THROUGHOUT



VENUE



The course is held at the Wyndham Hotel, Houston.
(www.wyndham.com/greenspoint)

All delegates have complimentary use of the leisure facilities. These include a pool, fitness suite, sauna and steam room. The course dinner is also complimentary. Hope you can join us.

If you require accommodation, the hotel offers TJA delegates a preferential overnight rate of \$129 + taxes. Delegates settle their own bill on departure. Early booking is advised. Please indicate your requirements on the booking form.

PRESENTERS



TREVOR JEE
MA FIMechE CEng

Trevor Jee has over 20 years' experience of pipeline engineering for the oil and gas industry. He has worked on the design, construction and integrity management of land and subsea pipelines. Currently, Trevor is involved with engineering studies, computational analysis, joint industry projects and training.

STUART JOYNSON
BSc MICE CEng MEIC PEng

Stuart Joynson has worked for more than 30 years in construction and project engineering of pipelines for the offshore oil and gas industry. His experience covers pipelay, bundles, trenching, survey, river crossings, single point moorings, cables, repair lining and decommissioning. Currently, Stuart is involved with construction consultancy and training.



ABOUT OUR COURSES

Structured training

At Trevor Jee Associates we have worked with our customers to develop a suite of pipeline engineering courses (detailed opposite) to fully meet the training needs of their pipeline engineers.

In-company courses

These courses are also available to you in-company, tailored to your specification. Please call Stewart Polvado to discuss your particular course requirements on (512) 402 9066.

Forthcoming public courses

Integrity	20-22 May 2003	Aberdeen
Materials	03-05 Jun 2003	London
Overview	16-18 Sept 2003	Aberdeen
Design	28-30 Oct 2003	Aberdeen
Integrity	10-12 Jun 2003	Houston
Overview	21-23 Oct 2003	Houston
Design	18-20 Nov 2003	Houston

Details and secure booking available on www.tja.co.uk

THREE EASY WAYS TO BOOK

- 1. Form** Complete and return the form overleaf by post or fax
- 2. Web** Book securely on-line from our website www.tja.co.uk
- 3. E-mail** Send the booking form details to admin@tja.co.uk

Need to know more? Call Stewart Polvado (512) 402 9066

We will send full joining instructions and a receipt to the company contact. To ensure admission, payment must be received before the event.



BOOKING FORM: CONSTRUCTION, HOUSTON 2003

First Delegate

Name.....

Job Title.....

Dietary requirements.....

Hotel reservations Mon 17 Tues 18 Wed 19 Thur 20

Second Delegate

Name.....

Job Title.....

Dietary requirements.....

Hotel reservations Mon 17 Tues 18 Wed 19 Thur 20

Third Delegate

Name.....

Job Title.....

Dietary requirements.....

Hotel reservations Mon 17 Tues 18 Wed 19 Thur 20

(More delegates? Please photocopy the form or attach a list. Thanks.)

COMPANY CONTACT DETAILS

Name

Company

Training manager

Address (with post code and country)

.....

Telephone Fax E-mail

Signed

Job title

CONDITIONS

- The booking form constitutes a legally binding contract.
- Trevor Jee Associates reserves the right to refuse admission if payment has not been received prior to the event.
- If you are unable to attend, you are welcome to substitute another person without penalty at any time.
- Trevor Jee Associates will hold your data on computer under the terms of the Data Protection Act.
- Bookings and cancellations must be in writing.
- If you cancel less than 2 weeks before the course begins, or if you fail to attend, the full fee remains due. If you cancel 2 weeks or more before the event an administration fee of \$150 is due.
- Should we cancel the course we will refund you in full, but will disclaim any further liability.
- We reserve the right to make changes if necessary.

PAYMENT

- I attach a check for \$ payable to Jee Ltd
- Please invoice my company \$..... payable prior to the course
- Please debit \$..... from my Switch/Access/Visa/Mastercard/Amex card

Card No Expiry Issue No (Switch only)

Name on card Cardholder's signature

Thank you for your booking. Please either fax this form toll-free (from USA) to 800 290 6853, or post it to 26 Camden Road, Tunbridge Wells, Kent, TN1 2PT, UK.

PRICES

The more delegates you book, the lower the cost per person.

Number	Price (\$)	Per Person (\$)
1	2520	2520
2	4536	2268
3	6552	2184
4	8568	2142
5	10584	2117
6	12600	2100