

Training Title

FUNDAMENTALS OF PIPELINE DESIGN AND HYDRAULIC MODELING

Training Duration

5 days

Training Date

REF ME042	Fundamentals Of Pipeline Design and Hydraulic Modeling	5	26 – 30 August '18	\$4,250	Dubai, UAE
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In any of the 5 star hotels. The exact venue will be informed once finalized.

Training Fees

- 4,250 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

Language: English

COURSE DESCRIPTION

This course provides an overview of a new pipeline hydraulics modeling capability that eliminates the need to employ separate third-party tools for pipeline hydraulics. There are many benefits to modeling the entire gathering and production system (be it offshore, onshore, topside, etc.) within one tool, including not only being able to optimize the design from a capital and energy perspective, but also ensure the overall safety of the system

TARGET AUDIENCE

Engineers new to the pipeline industry or those seeking practical knowledge. Also for electrical and civil engineers working on pipelines. Participants must be able to perform engineering-level computations.

TRAINING METHODOLOGY

The course is designed to have an interactive format to maximize delegate participation. Questions and answers are encouraged throughout and at the daily sessions. Needs-Based case-studies and examples will be discussed in problem solving workshop sessions. This gives participants the opportunity to discuss with other delegates and the presenter their

specific problems and appropriate solutions. Only minimum note taking is encouraged to ensure maximum delegate attention during the course

COURSE CONTENTS

Need for Accurate Modeling of Hydraulics

Overview of Pipeline Modeling Solutions

The Basics of Flow Simulation

- Flow Correlations
- Dynamic Modeling
- Flow Assurance

Aspen HYSYS V8 for Usability

Aspen Pipe Segment Model

Aspen HYSYS Hydraulics Subflowsheet

Uses of Aspen HYSYS Hydraulics Subflowsheet

The Bigger Picture

Conclusion

Case Studies, Last Day Review, Discussions & Pre & Post Assessments will be carried out.

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