

## CAPABILITY DEVELOPMENT FOR THE ENERGY SECTOR

# DRILLING, WELL AND FACILITIES ENGINEERING

A new portfolio of Drilling, Well and Facilities Engineering courses delivered by subject matter expert instructors supporting the development of skills for individuals and teams at foundation and skilled level.

## DRILLING AND WELL ENGINEERING


### Foundation Level

#### Drilling Technology

##### N694: Basic Drilling Technology

Kevin Gray


5 Days

[Course Outline](#) 

##### N672: Applied Drilling Engineering

Evren M. Ozbayoglu


5 Days

[Course Outline](#) 

##### N739: Horizontal Drilling & Extended Reach Drilling

Robello Samuel


2 Days

[Course Outline](#) 

##### N741: Principles and Practices of Mud Motor

Robello Samuel


2 Days

[Course Outline](#) 

##### N742: Directional Drilling

Robello Samuel

2 Days

[Course Outline](#) 

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*New and updated courses covering drilling technology, directional drilling, drill string design, stuck pipe prevention, casing design and well integrity engineering, pipeline and process engineering and oil and gas storage.*


## Foundation Level Cont.

### Management & Well Operations

#### N740: Introduction To HPHT Well Design

Robello Samuel

2 Days


Course Outline 

### Well Planning & Design

#### N695: Introduction to Drilling, Completion and Workover Operations

Kevin Gray


5 Days

Course Outline 

#### N608: Fundamentals of Well Completions and Workovers

Michael Gallup


3 Days

Course Outline 

#### N600: Well Planning and Execution

Christine Telford


5 Days

Course Outline 

#### N743: Drillstring Design Practices

Robello Samuel


2 Days

Course Outline 

#### N744: Well Engineering: Torque and Drag and Hydraulics

Robello Samuel

2 Days

Course Outline 




## Skilled Level

### Drilling Technology

#### N687: Advanced Directional Drilling and Advance Surveying Techniques

Kevin Gray


5 Days

Course Outline 

#### N738: Applied Drilling Engineering Optimization

Robello Samuel


2 Days

Course Outline 

#### N697: Extended Reach Drilling (ERD) Program

Kevin Gray

5 Days


Course Outline 

### Management & Well Operations

#### N696: Drilling Rig Selection & Inspection for Performance Optimization

Kevin Gray


5 Days

Course Outline 

#### N689: Drilling Fluids

Kevin Gray


3 Days

Course Outline 

#### N690: Stuck Pipe, Design and Operational Practices for Avoidance

Kevin Gray


5 Days

Course Outline 

#### N691: Well Integrity Management & Barrier Verification

Kevin Gray


5 Days

Course Outline 

#### N698: HPHT Well Engineering

Kevin Gray


5 Days

Course Outline 

#### N692: Well Cost Control & Forecasting

Kevin Gray

5 Days


Course Outline 

### Well Planning & Design

#### N693: Casing Design & Well Integrity Engineering

Kevin Gray


5 Days

Course Outline 

#### N688: Drillstring Design

Kevin Gray


3 Days

Course Outline 

#### N529: Well Integrity Cement Evaluation

Gary Frisch


3 Days

Course Outline 

#### N943: Well Test Interpretation in Practice

Alain Gringarten


4 Days

Course Outline 

#### N998: Well Completion Design

Jonathan Bellarby

5 Days

Course Outline 

# FACILITIES ENGINEERING


## Foundation Level

### Pipeline and Process Engineering

#### N733: Subsea Pipeline Engineering

David Newman


3 Days

Course Outline 

#### N734: Onshore Pipeline Engineering

David Newman


3 Days

Course Outline 

#### N736: Process Piping Code, P&IDS and Engineering Drawings Interpretation

David Newman


3 Days

Course Outline 

#### N611: Introduction to Crude Oil Gathering and Processing

Dale Kraus


2 Days

Course Outline 

#### N613: Natural Gas Processing - Dehydration, Refrigeration, and Fractionation

Dale Kraus


3 Days

Course Outline 

#### N983: Pipeline and Process Engineering

Ivor Ellul

4 Days


Course Outline 

### Storage and Transport

#### N686: Oil and Gas Storage Tanks: Design, Operation, and Maintenance

David Newman


5 Days

Course Outline 

#### N737: Oil and Gas Transport

David Newman

3 Days

Course Outline 

## COURSE ACCESS

### Scheduled courses

Tetra Tech RPS Energy delivers field, classroom and online courses focusing on core skills development and current challenges facing the E&P industry. Courses are delivered by instructors recognised as world class subject matter experts in their field, including industry leaders, professors and distinguished lecturers.

### Inhouse courses

The same best in class virtual, field and classroom courses focusing on core skills development and current challenges but delivered inhouse for groups typically of 10 to 20

participants. Courses delivered by instructors recognised as world class subject matter experts.

### Self-paced e-learning

Offered independently or as part of a blended learning program, our bespoke e-learning solutions immerse learners in a rich variety of content and interactive media to provide a personalised learning experience. By providing access to the e-learning catalogue or producing custom content, we can help organisations leverage technology to engage their learners in a dynamic and exciting digital learning environment.