

◆ IN-PERSON TECHNICAL TRAINING

3½-DAY TRAINING COURSE · ABERDEEN UK

ARTIFICIAL LIFT · APPLICATION ENGINEERING

ESP APPLICATION ENGINEERING

DESIGN

SELECT

OPTIMISE

Learn ESP design and equipment selection for **various well environments** — and be able to **confidently scrutinise ESP designs with authority**.



John Reilly

LEAD INSTRUCTOR
FORMERLY OF —

Baker Hughes

GE

Wood Group ESP

01 **FULL ESP DESIGN**
ESP design from first principles.

02 **EQUIPMENT SELECTION**
Specify cost-effectively for your wells.

03 **DESIGN SOFTWARE, HANDS-ON**
Industry design software **provided and used live** in the course.

04 **1-YEAR LICENCE INCLUDED**
A **full 12-month software licence** is bundled into your course fee.

DAY 4

Training finishes in the morning, then an open Q&A session with a panel of **industry experts**.

14–17 SEP 2026

ABERDEEN · UNITED KINGDOM

RESERVE YOUR PLACE

info@dcl-als.com

ESP APPLICATION ENGINEERING

COURSE SCHEDULE

3½-day in-person programme — from well fundamentals to building complete designs.

DAY

1

ESP & well performance fundamentals

DAY

2

ESP equipment selection

DAY

3

Design inputs & variables

DAY

4

Consolidation exercises — building example designs for typical applications

DAY 4 · FINISH & ROUND-UP

Live Q&A with a panel of industry experts

YOUR INSTRUCTOR

John Reilly

LEAD INSTRUCTOR · ELECTRICAL ENGINEER & ESP TRAINER

An electrical engineer and career training professional with nearly two decades dedicated to ESP. As Senior Application Engineer and Senior ESP Instructor across **Wood Group ESP, GE and Baker Hughes**, John built and delivered ESP training programmes worldwide — and previously lectured in engineering at Aberdeen College.

BEng Electrical & Electronic Engineering, Robert Gordon University

Baker Hughes

GE

Wood Group ESP

ESP APPLICATION ENGINEERING

THE EXPERT PANEL

Close the course with an **open Q&A** alongside a panel that has designed, deployed and managed ESP systems for operators worldwide.

◆ ALOFT HOTEL · TECA, ABERDEEN



James Rhys-Davies

TECHNICAL DIRECTOR · NOV

MEng (Hons), Cardiff University. He has **designed contra-helical pump stages**, gas handlers and separators for the field's toughest gas and sand challenges, and now leads **NOV's ESP business development** across the Eastern Hemisphere.



Euan Alexander

VP & PRINCIPAL CONSULTING ENGINEER · ALS

BEng (Hons) Mechanical Engineering, Heriot-Watt. Nearly two decades across **Schlumberger, Apache and Petronas Carigali** in ESP and gas-lift design, FEED and well optimisation — and an expert in **alternative and rigless deployment of ESP systems**.



Barry Irvine

INDEPENDENT ADVISOR · ESP/ARTIFICIAL LIFT

BSc (Hons) Engineering, University of Aberdeen. 39 years in energy, 26 in Artificial Lift. Former **Baker Hughes Artificial Lift Director for Europe** and Global Geothermal ALS Director, delivering high-value projects across the UK, Europe and Africa.



John MacDonald

ESP SURVEILLANCE MANAGER · ALS

Three decades at **Schlumberger** across ESP field service, surveillance and management. Ran the European & African Artificial Lift Surveillance Centre and built monitoring workflows that lifted ESP run-life 30% and uptime beyond 92%.



FOUNDER · ALS

Jeff Dwiggins

ARTIFICIAL LIFT SOLUTIONS · 35+ YEARS IN ENERGY

Founder of **Artificial Lift Solutions** with 35+ years in the global energy industry. A specialist in ESP applications and **artificial lift and ESP management strategies** — with major projects across Qatar, Egypt, Brunei and Chad — and deep experience applying ESPs in unconventional plays.