

Datasheet:

Flow Measurement Consultancy

User List – Uncertainty (UKCS)



Introduction

The following is a typical sample of users of the KELTON capability to deliver uncertainty calculations for liquid and gas flow measurement systems. In all cases KELTON were the sole consultant. The calculations and final presentations used KELTON UNCERTAINTYPLUS.net modules.

1. BP Exploration Operating Company Limited, UK

Scope of Work

- Uncertainty Analysis carried out for QUAD-204 including: fuel, flare gas, produced water and waste heat recovery unit
- Allocation uncertainty (financial exposure) for the Andrew Area
- Uncertainty study of Magnus produced water measurement system.
- To carry out the Clair asset overboard water discharge uncertainty analysis.

2. Shell (UK) Limited, UK

Scope of Work

Reviews and system uncertainty analysis on the Leman and Clipper produced water systems in the Southern North Sea.

3. TAQA Bratani Limited, UK

Scope of Work

Develop calculations to determine the uncertainty in the reported LP flare quantities for the Harding and North Cormorant assets.

4. Engie E&P UK Limited (formerly GDF Suez), UK

Scope of Work

The provision of uncertainty calculations for the gas export, fuel, flare, produced water and condensate export metering on the Cygnus Alpha and Bravo platforms.

5. BG International Limited, UK

Scope of Work

Allocation metering system uncertainty model.

6. BHP Billiton Petroleum Limited, UK

Scope of Work

Completion of an uncertainty analysis study for the Douglas Platform produced water measurement system.

About KELTON™

Fully accredited, KELTON is the leading independent measurement consultancy and software developer for the oil and gas industry. For well over two decades, KELTON has helped many international and national operators to ensure their full compliance with industry regulations. Whether clients require inspection, auditing or certification as part of System Compliance, uncertainty calculations for System Assurance or System Support – in KELTON they find a partner they can trust.

Services include:

- System Compliance
 - Inspection
 - Audit
 - Certification
- System Assurance
 - Design uncertainty
 - Modelling uncertainty
 - System uncertainty
- System Support
 - Manual/guidelines
 - Procedure generation
 - Educational
- Measurement Software
 - Desktop applications
 - Database applications
 - Pipeline applications

KELTON encompasses ISO/EN 9001 & 14001, BS/OHSAS 1800 and UKAS type 'C' Accreditation, is Microsoft Certified and is recognised as an Investor in People. Support is available from three strategic locations; UK, Qatar and Abu Dhabi.

If additional information is required visit:

www.kelton.co.uk



Datasheet:

Flow Measurement Consultancy

User List – Uncertainty (Overseas)



Introduction

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1. Endress+Hauser Instruments International AG, UAE

Scope of Work

Provide system uncertainty analysis of two flow measurement systems for the ESI Carbon Capture and Storage Project.

2. Loops Automation LLC, UAE

Scope of Work

Provide a system uncertainty analysis of three identical flow measurement systems being constructed for State Company for Oil Production, Iraq.

3. Maersk Oil Qatar A/S, Qatar

Scope of Work

Provision of uncertainty calculations for two single liquid Coriolis meters and one gas ultrasonic meter (USM) at I-Location Test Separator, Al-Shaheen Field.

4. Krohne Oil & Gas, Malaysia

Scope of Work

The supply of a number of UNCERTAINTYPLUS modules configured using the KELTON FloXL software application.

5. Fortune Controls & Automation Co. LLC, UAE

Scope of Work

To develop an uncertainty module to validate the design uncertainty of a three stream turbine based system with a bi directional prover and a fast loop bypass with in-line densitometers and auto sampling system.

6. RasGas Company Limited, Qatar

Scope of Work

The provision of uncertainty analysis of the 47 site metering systems.

7. Hazira LNG Private Limited, India

Scope of Work

Hydrocarbon accounting system audit including mass balance review and uncertainty analysis.

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