Achieving Wells Excellence through Standardisation

20 - 22 April 2021 | Virtual [UTC+8]

Confronted by the biggest health and economic crisis, the oil and gas industry continue to be challenged by volatility in demand and oil price. In the Wells business, projects continue to be challenged in terms of commercial, health, and safety. Whilst the health industry races to find a vaccine, the industry and more specifically Wells, will need to be geared to recover and emerge stronger. In order to achieve this, the Wells business will need to be able to deliver a safe, sustainable, and predictable outcome in everything that is done. As each company works to achieve this on its own, there is benefit for companies to synergise through end-to-end standardisation and simplification. But what is ‘standardisation’ in this context?

The ‘standardisation’ in the context of this workshop is about uniformity and consistency in how business is run efficiently in order to achieve the excellence mentioned above. The scope is not limited to equipment specifications, but how organisations are set up to learn, adapt and quickly replicate best practices. Standardisation also means that every organisation is not trying to find cost savings measures in unique ways, but rather gain efficiency through rapid replication, with repeatable and simplified processes. Contrary to popular belief, standardisation is also expected to accelerate innovation, and reduce risk in business. Modernisation in the area of digitalisation has helped realisation of this theme, whereby people and organisations are able to better track, trace, integrate, and deliver effectively.

Specific benefits expected to be gained through ‘standardisation’ involves all areas of the Wells business, such as drilling, completions, HSE, intervention, and abandonment.

- Asset performance where unit cost per barrel can be reduced.
- Service providers can reduce the variety in equipment and service specification to focus on effective execution and lower downtime.
- Inventory reduction and easily reusable and re-sellable surplus equipment, thus, increasing economies of scale.
- Predictable well performance with examples of standardising the type of installed capital equipment as well as vendor’s tools.

Session Highlights

<table>
<thead>
<tr>
<th>Keynote Address and Panel Session</th>
<th>Case Studies, Methods and Processes for Standardisation</th>
<th>Well Design Standardisation</th>
<th>Work Units - Minimum Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology, Digitalisation, and Innovation</td>
<td>Key Enablers to a Standardised Supply Chain - Contracting, Procurement, and Tendering</td>
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Who Should Attend

Professionals involved in:
- Asset Integrity
- Asset Management
- Change Management
- Drilling and Completions
- HSE and Risk Management
- Plugging and Abandonment
- Process Safety Management
- Contract and Procurement
- Production Analyst
- Production and Operation Management
- Production Technology
- Regulators
- Researchers
- Reservoir Engineering
- Subsea System
- Supply Chain
- Wells Business Support
- Wells Construction
- Wells Engineering
- Well Intervention
- Wells Strategy
- Vendors and Services

Contact us at apweb@spe.org to arrange your group.

go.spe.org/22WM02W
Workshop Objectives
The workshop will assess the current state of standardisation and provide the industry with best practices and recommendations on how standardisation has been successful and can be replicated by all. The scope of the workshop and presentations will cover Wells design, supply chain management, contracting and procurement, well intervention and abandonment, vendor equipment/tools specifications, work units, process management and technology and digitalisation.

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Programme Schedule
Please Note: All times are Greenwich Mean Time (GMT) +8

**Tuesday, 20 April 2021**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>1300 - 1430 hours</td>
<td>Welcome Remarks, Keynote Address and Session 1: Panel Session</td>
</tr>
<tr>
<td>1430 - 1500 hours</td>
<td>Networking Break</td>
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<tr>
<td>1500 - 1630 hours</td>
<td>Session 2: Case Studies, Methods and Processes for Standardisation</td>
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<tr>
<td>1630 - 1700 hours</td>
<td>Networking Break</td>
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**Wednesday, 21 April 2021**

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<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>1300 - 1430 hours</td>
<td>Session 3: Well Design Standardisation</td>
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<tr>
<td>1430 - 1500 hours</td>
<td>Networking Break</td>
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<tr>
<td>1500 - 1630 hours</td>
<td>Session 4: Work Units - Minimum Requirement</td>
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<tr>
<td>1630 - 1700 hours</td>
<td>Networking Break</td>
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**Thursday, 22 April 2021**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1300 - 1430 hours</td>
<td>Session 5: Technology, Digitalisation, and Innovation</td>
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<tr>
<td>1430 - 1500 hours</td>
<td>Networking Break</td>
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<tr>
<td>1500 - 1630 hours</td>
<td>Session 6: Key Enablers to a Standardised Supply Chain - Contracting, Procurement, and Tendering</td>
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<tr>
<td>1630 - 1700 hours</td>
<td>Networking Break</td>
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A standard can be described as repeatable, harmonised, agreed, and documented. Standards contain technical specifications or other precise criteria designed to be used consistently as a rule, guideline, or definition.

Standardisation is the process of developing, implementing and in some cases, mandating processes or technical standards based on consensus of different parties within an organisation or industry. By applying proper technical or process standards, it can streamline the quality and consistency of the outputs, be it a product or services, in ensuring their compatibility, interoperability, repeatability, and safety. The end goal of this effort is to lower the overall costs of operations through efficiency and waste reduction, while maintaining the expected level of quality.

There are various methods and processes adopted by different companies to standardise and streamline their processes and operations. For instance, standards implemented for a product could be very specific, such as a standard product design, or broadly prescribed, such as standard technical requirements. However, with a standard design, where the product interfaces with other products, compatibility must be ensured. For processes, the Lean Six Sigma is one of the methods adopted widely in the manufacturing industry, this methodology could be adopted by the oil and gas industry to help come up with process standardisation to achieve desired outcomes. This method relies heavily on a collaborative team effort to improve performance by systematically removing wastes, reducing variations, and ensuring consistent end-products.

By having standard products and/or practices, work efficiency and performance can be increased significantly while minimising unnecessary duplication and waste, and this should lead to overall cost reduction. This session will focus on the challenges, success stories and lessons learnt on the methods and processes required to achieve standardisation in their work scopes or organisations.
minimum technical requirement for work units or product line design should be considered and made ready with adequate fit-for-purpose equipment.

Some of the work units are governed by their own manual and standard, but a best practice and standard guideline should be adopted to enhance work unit reliability and serviceability, improve quality assurance, and reduce equipment failure. In today’s challenging market, it is important to get the right tool at the right time, balance between cost and performance, and meet the demand of operators to lower operation cost.

In the end, such mutual initiatives could improve cost which will then drive higher activity frequency needed during this trying time. This session is not limited to drilling rig units, but also well intervention work units and any product line in general.

1630 - 1700 hours  Networking Break

THURSDAY, 22 APRIL 2021

1300 - 1430 hours  Session 5: Technology, Digitalisation, and Innovation

Session Managers: Ts. Mohamad Sukor Zainal, EFTech Drilling Solutions; Normala Shah, Weatherford (M) Sdn Bhd

Digitalisation and innovation are without doubt has become norms, mission and vision for almost all operators and service providers. This is the future of the world and the oil & gas industry. Digital adoption provides profound opportunities for reshaping operating angles of drilling operations leads to various benefits to day-to-day operations, enhanced project’s productivity and ultimately cost reduction.

Standardisation of processes comprises of budgetary well planning, implementation, technical execution and post evaluation. The early estimation of well budgetary for instance tends to be over-estimated in which contributing to value leakage to the operator. The leakage might due to the lack of standardisation in digitalisation and big data practices.

In term of well design and well delivery, it will enable operators to drive more value from their projects in the safest way possible, while having the confidence their wells will be drilled and constructed with the highest level of integrity available in the market today and also include key factors in mitigating the drilling hazards.

The scope of this session will focus on ideas and new innovations on how to utilise digitalisation as an enabler for wells standardisation and cost reduction.

1430 - 1500 hours  Networking Break

1500 - 1630 hours  Session 6: Key Enablers to a Standardised Supply Chain - Contracting, Procurement, and Tendering

Session Managers: Shaharum Ramli, Setegap Ventures Petroleum Sdn Bhd; Ros Aliff Roslan, Uzma Berhad; Sutheesh Arul a/l A. Arulselvam; Rodney Barretto, Barretto Business Development LLC

Supply chain links all the pieces together into one complete package and governs contractual obligations between end user and service provider. Supply chain also include provide delivery scope and specifications, timing, cost, quality, and HSE. Not many dare to venture into this profession due to the tremendous amount of challenges faced while combining inputs and demands from all relevant stakeholders, which more often than not vary, and converting them into solutions for everyone and in the interest of the project’s success.

To say that there have been attempts made to standardise supply chain processes would be an understatement. In fact, there have been numerous collective efforts by all stakeholders to instil uniformity within the supply chain processes, not just within one scope or one organisation, but across various scopes of services and across organisations, such as integrated drilling contracts, integrated well services contracts, Umbrella contracts and Pan Malaysia contracts. Supply chain management is continuously evolving, more rapidly now in the current market climate, in echoing the calls from industry leaders for cost optimisation.

This session will focus on the challenges, success stories and lessons learnt, from which we can improve upon, in the journey towards wells standardisation from the supply chain perspective.

1630 - 1700 hours  Networking Break

Register and join the sessions at your local time:

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<tr>
<th>Time</th>
<th>Locations</th>
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<tbody>
<tr>
<td>0800</td>
<td>Doha / Kuwait City / Manama / Riyadh</td>
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<tr>
<td>0900</td>
<td>Abu Dhabi / Dubai / Muscat</td>
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<td>1030</td>
<td>New Delhi</td>
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<td>1130</td>
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<td>1200</td>
<td>Bangkok / Hanoi / Jakarta</td>
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<td>1300</td>
<td>Bandar Seri Begawan / Beijing / Kuala Lumpur / Perth / Singapore</td>
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<td>Brisbane</td>
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<td>1700</td>
<td>Wellington</td>
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<thead>
<tr>
<th>Entitlements</th>
<th>Principal Sponsor</th>
<th>Gold Sponsor</th>
<th>Silver Sponsor</th>
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<tbody>
<tr>
<td>Complimentary Full Access Virtual Workshop Registration (worth USD 500 per person)</td>
<td>12</td>
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<td>Acknowledgement during Welcome Remarks</td>
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<tr>
<td>Company logo and/or link in event website</td>
<td>✓</td>
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<td>Company logo and/or link in exclusive event banner in virtual event’s login page and live console</td>
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<td>Company logo and/or link in virtual event’s live console</td>
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<td>Company logo on front cover of the event brochure</td>
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<td>Company logo in the event brochure</td>
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<td>Company logo in all promotional email broadcasts sent out to a targeted group of audience</td>
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<td>Company logo in all reminder email broadcasts sent out to event attendees</td>
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<td>Company logo and mentions/tags in selected regional social promotions</td>
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<tr>
<td>Company logo on front cover of the Virtual Workshop Technical Programme booklet</td>
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<td>Company logo in the Virtual Workshop Technical Programme booklet</td>
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<td>Company logo in lobby video placed in virtual event’s live console</td>
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<tr>
<td>Company logo in holding slides displayed during live event</td>
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<td>Opportunity to insert up to two (2) sponsors’ promotional materials (PDF or link) as downloadable resources in virtual event’s live console</td>
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<tr>
<td>Company logo in on-demand materials up to three (3) months post event</td>
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Workshop Guidelines

1. **Documentation**
   a. Presentation slides / Proceedings will not be published; therefore, formal papers and handouts are not expected from Discussion Leaders.
   b. Work in progress, new ideas, and interesting projects are sought.
   c. Resource documents may be provided as pre-reads and during the live event.

2. **Workshop Deliverables**
   a. An on-demand version of the live event sessions will be made available to registered participants only.
   b. Provision of the live event sessions and presentation materials by Discussion Leaders will signify their permission for SPE to do so.

3. **Commercialism**
   In keeping with the Workshop objectives and the SPE mission, excessive commercialism in presentations are not permitted. Company logos must be limited to the title slide and used only to indicate the affiliation of the presenter.

4. **Certificate of Attendance**
   All attendees will receive a certificate of attendance. The certificate will be made available during the live event once participants have completed the required viewing/participation time.

5. **Continuing Education Units**
   This Workshop qualifies for SPE Continuing Education Units (CEU) at the rate of 0.1 CEU per hour of the Workshop.

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      viii. Violating the rules and regulations of the virtual event platform, ON24.
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      ii. Restrictions from future SPE events.
   g. SPE reserves all rights to take any action to prevent and report violations of the Code of Conduct, including blocking access to SPE events. SPE cannot investigate reports of harassment or other misconduct during the virtual event but will inform the appropriate departments of the accused person’s host institution about any such filed report.

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