

Roundtable for Oil and Gas Working Group #1 workshop

Date: 10 June 2015

Venue: Sustainable Industries Education Centre (SIEC), Tonsley

Key themes

Question 1 – what other training can be delivered at the OPCE and /or Tonsley precinct?

Practical training for professional workers

- Field facilities training for engineers
- Electives for pipeline engineers, general engineers and trades people
 - Further electrical and instrumentation training
- Forensic investigations into incidents for regulators and operators
- Practical training for Australian School of Petroleum students on OPCE equipment

Legislation a & Compliance

- WHS - industry specific
- Petroleum & Geothermal Act and Regulations
- Hazardous areas, high voltage
- Type B appliance
 - Queensland and NSW requirements
 - Relevant to the Cooper Basin
- Permit Authority's assessment compliance

Other upstream, mid-stream and downstream training

(NB: some of the following suggestions will require additional equipment at the OPCE)

- Well servicing and workover / completions
- Drill rig training
- Civil works for well pad preparation – digging and piping
- Well intervention / control (IWCF) – multipurpose training well & rig, including practical demo / real life / hands on
- Completions
- Sub-surface geology
- Gas engine training for diesel mechanics
 - Combine with Regency?
 - Caterpillar run training in Melbourne – expensive for Adelaide
 - Roundtable working Group #7 crossover – alternative fuels
- PUC welding
- High risk – hazardous areas, high voltage
- Maintenance of equipment
- Flange maintenance
- Pumps

- Compressors
- Fire safety / management

Short courses

- Cross-cultural & heritage training
- Social licence to operate

Workplace Safety training

- Well site safety – emergency response (RIG ready)
- Occupational first aid
- Incident management
 - Hazard operations / induction
 - Tap root training

Complementary opportunities

- Australian School of Petroleum (ASP)
 - Upgrade / complete well to enable ‘monitoring’ type training
 - Telemetry from ASP well to Tonsley for instructional purposes – use of ‘real’ data
- Integration of 3rd party training providers – SAGE Automation, Enerflex
- Experienced & knowledgeable SME facilitators to deliver oil and gas training

Specialisations at Tonsley

- Power generations, specifically in relation to generators and control systems

Higher overall level of competence - advanced training & education (eg gas detection)

- Technical
- Compliance
- Regulatory frameworks
- Field component experience for new entrant
- Service provider training opportunities

Question 2 – What other training needs for the oil and gas sector should Working Group #1 focus on?

Common induction training – Cooper Basin induction (Green Card); other oil and gas; mining

- 4WD remote driver training
- Environmental sustainability/protection – baseline training principles and awareness
- Permit to Work (PTW) systems upstream
- Heat stress management
- Emergency management
- HAZOP fundamentals – risk management fundamentals

Offshore activities

GENERAL COMMENTS

- Common research across universities
- Develop relationships between researchers and industry
- Build curriculum around training – practical training modules
- One-stop training shop within quick timeframes, eg 1 week vs 1 month or more
- Retrain ex-Holden employees
- Classroom availability of providers using the OPCE
- New technologies, eg remote monitoring – discussion on training requirements
- Collaboration with TAFE, Universities, other institutions, service providers
- International student market
- Training delivery methodology to reduce cost, eg online