

Short Course

# Oil and Gas Awareness

tafesa



Government of  
South Australia



**This course will provide participants with basic knowledge in the fundamentals of oil and gas upstream operation.**

The one day course consists of three topics that cover key areas of oil and gas fundamentals.

**This course will provide an understanding of oil and gas industry processes and equipment in easy to understand language.**

**Participants will experience field based equipment and operations in the OPCE simulated training environment.**

## Training Schedule

Introduction to the day's activities including an induction to TAFE SA Tonsley site and OPCE facility, emergency evacuation.

Working in the oil and gas industry:

- > fly in fly out
- > extreme conditions
- > industry expectations

**Topic 1: Overview of conventional oil and gas exploration and drilling**

- > oil and gas exploration
- > drilling & extraction
- > natural gas and oil components
- > upstream & downstream defined

**Topic 2: Safety and Environmental Systems**

- > Permit to Work systems
- > SOPs, JSA, JHA, Step Back
- > Tool box meetings
- > Emergency response
- > Environmental protection

**Topic 3: Introduction to upstream plant and process**

- > Follow the flow schematic through the OPCE plant
- > Identify the individual components of plant and their applications:
  - > separators > pipe spools
  - > pumps > dials and indicators
  - > prime movers > valves
- > Observe the plant in operation, circulating the oil simulation (water)
- > Pigging - an overview of the pigging process, types of pigs and the opportunity to participate!

## Contact information

### TAFE SA Tonsley

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YouTube

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