



**PETROLEUM CLUB**  
of Western Australia  
CONNECTING PEOPLE WITH ENERGY

# Next Generation Program Annual Report November 2016

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## NEXT GENERATION PROGRAM - ANNUAL REPORT

This Annual Report summarises the Next Generation Program for 2016.

The program commenced with a Teacher Information Session held in January and was a great way for teachers to gain a full understanding of what our program can offer their students. Mentors had the opportunity to meet teachers from prospective schools. It provided a great platform for our sponsors to engage with program participants. Thank you to Quadrant Energy for hosting this session, Curtin University for providing the venue and INPEX Ichthys Project for their mentor attendance.

### School Participation 2016:

Butler College	Methodist Ladies College
Churchlands SHS	Morley SHS
Como Secondary College	Perth Modern
Duncraig SHS	Sacred Heart
Hampton SHS	Scotch College
Kingsway Christian College	Warnbro Community College



We expanded the 2016 program to include students in years 7 through to year 10 which saw participation increase 20% with over 600 students involved for 2016, with many new schools entering the program.

### 1ST MENTOR VISIT

The mentors provided a presentation on the petroleum industry along with an SPE interactive experiment to further engage the students in oil extraction.

We received very positive feedback from all age groups.

### 2ND MENTOR VISIT

Tapping into the talents of over 40 Industry Mentors we delivered education on the various careers available in the Oil & Gas industry. Students were very curious with their questions, particularly when it came to finding out where this industry has been able to take people around the globe. It seems Gen Y has had a special interest in Environmental Science, Mechanical Engineering and Marine Biology.

### PROJECT DELIVERABLE

Students were tasked with choosing a career for their group to research and deliver their findings in a creative presentation. Top performing groups were chosen to represent their school at the Student Expo day, performing their presentation to our panel of judges.

### STUDENT EXPO DAY

Along with the interaction with our Industry Mentors, the Expo day is considered to be one of the highlights for students. We had over 100 students, teachers, mentors and sponsors participate at the expo day. The 2016 program was an overall success and is only possible with support from our sponsors, teachers and mentors. I will be handing over the role of Next Generation Committee Leader to my colleague Craig Marshall who is now preparing for the 2017 program. We hope you will get involved.

**DEAN MANIFIS**  
MIEAust CPEng

# NEXT GENERATION PROGRAM

## SCHOOLS

12+

Private, Independent and Public schools are involved with the Program participating annually.

## STUDENTS

600+

Students said their understanding of the oil and gas industry has grown as a result of the Next Generation Program

## TEACHERS

15+

We value the role teachers play in educating young people about the importance of energy.

## MENTORS

35+

Industry mentors provide "first hand" information on working in the Oil & Gas Industry.

## INDUSTRY

The program provides a direct link to the Industry.

## Connecting the "Next Generation" to the Oil & Gas Industry

### ABOUT THE PROGRAM

#### Target Audience

The objective of the Next Generation program is to introduce year 8-10 students to the oil and gas industry in a fun, interactive and educational environment.

#### Purpose

We aim to educate students about the oil and gas industry and the important role energy plays in our society, as we provide information on the diversity of career options available.

#### Goals

By matching each school with an industry mentor, students get first hand access to information from someone working directly in the industry. This program provides an opportunity to inspire the next generation and to promote the oil and gas industry to our future workforce.

#### Success

We revised the program to be flexible to suit each school's individual needs. The Next Generation committee have worked closely with teachers to continue to develop the program, keeping it current, engaging and adding value to the students education by providing information on career pathways that may not be already easily accessible to them.



## THE NEXT GENERATION SCHEUDLE

### MENTOR VISIT #1 - OIL & GAS INTRODUCTION

Mentors provided an introduction to the Oil & Gas industry, educating students on the important role energy plays in our society. The students then got involved in an interactive experiment from Society of Petroleum Engineers based on Perforated Well Casings.

### MENTOR VISIT #2 - CAREERS

We had mentors share their career journeys with students on the panel mentor visits with over 40 mentors from various backgrounds and disciplines;

Mechanical Engineer	Risk & Insurance Manager
Legal	Internal Auditor
Human Resources	Refining Technology Advisor
Business Development	Environment Manager
Petroleum Geology	Drilling Engineer
Electrical Trade	OH&S Manager
Chemical Engineer	Offshore Quality Coordinator
Graduate Process Engineer	Team Leader - Vessels
Graduate Installation Engineer	Marketing Manager
Subsea Technician	

### MENTOR VISIT #3 - PROJECT DELIVERABLE

JUNE/JULY

Students will soon be tasked with choosing a career to research and deliver their findings in a creative presentation. This is where students had the opportunity to get really creative.

### MENTOR VISIT #4 - PRESENTATIONS

JULY/AUGUST

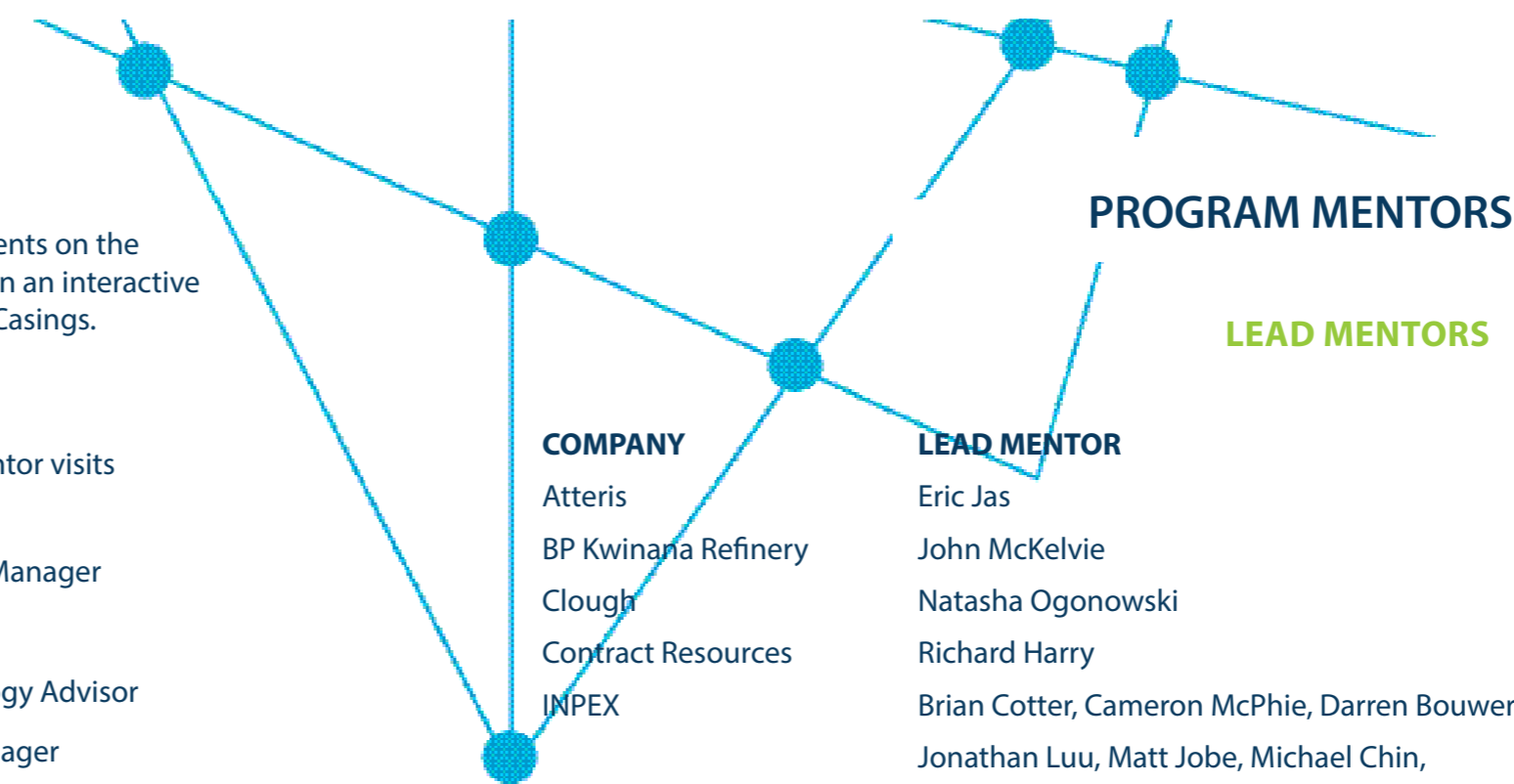
Students presented their project presentations to their teacher and mentor and were scored on the following criteria to be chosen to represent their school at the Student Expo Day.

<i>Research knowledge</i>	<i>Presentation Flow</i>	<i>Group contribution</i>	<i>Creativity</i>
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### STUDENT EXPO DAY

Held on Friday 2nd September, students experienced hands-on activities including;

- Robotic arm displays
- Oil well activities
- Exploration Game
- HIVE 3D simulation
- FMC Octagon Presentation
- Safety PPE dress-up station



## PROGRAM MENTORS

### LEAD MENTORS

#### COMPANY

Atteris  
BP Kwinana Refinery  
Clough  
Contract Resources  
INPEX

#### LEAD MENTOR

Eric Jas  
John McKelvie  
Natasha Ogonowski  
Richard Harry  
Brian Cotter, Cameron McPhie, Darren Bower  
Jonathan Luu, Matt Jobe, Michael Chin,  
Phil Grainger, Wiktor Bilinski, William Banner  
Eric Adlar  
Franklyn Jardine  
Massimo Delia  
Ian Ritchie, Steven Fogarty,  
Theuns Engelbrecht  
Dario Bongiovanni  
Aaron Pushparatnam  
Colby Hauser

Lloyd's Register Drilling  
MRC Global  
Neptune Marine  
Quadrant Energy  
  
Schlumberger  
Technip  
Upstream Production  
Solutions

### PANEL MENTORS

#### COMPANY

BP Kwinana Refinery  
Citic Pacific Mining  
Dept of Mines & Petroleum  
INPEX

#### PANEL MENTOR

Liam Montgomery  
Dominic Rodwell  
Ameed Ghorri  
Rebecca Benson, Kathryn Daws,  
Robert Kingsley, Jaimie Kirkwood,  
Matthew McAuliffe, Greg Oliver  
Gerald Manley, David Verco  
Rebecca Benson  
Hamish Smith  
Reza Parker  
Kiseok Kim  
Virginia Reyes

IFAP  
Primero Group  
Quadrant Energy  
Santos  
Swire Pacific Offshore



## PRIZES

### 1st PRIZE - Sacred Heart College

#### HALF DAY HELICOPTER UNDERWATER ESCAPE TRAINING & SEA SURVIVAL (HUET)

Year 8 group of boys from Sacred Heart College experienced the exhilarating hands-on experience training in submerged helicopter simulators, and essential sea survival techniques including life jacket and life raft training. Workers in the Offshore Oil and Gas Industry are required to undertake this vital training.



The training is designed to heighten safety procedures, danger awareness and operational standards for flights over or near water.

IFAP (Industrial Foundation for Accident Prevention), has been at the leading edge of workplace health and safety since 1962, continually setting the health and safety training benchmark for all industries.



Imagine being strapped into a helicopter, hovering a thousand meters above the Arctic Ocean, when suddenly, your pilot shouts BRACE, BRACE, BRACE and you cover your face with one arm and grab onto your lap with the other. The chopper ditches into the water, and before it submerges, you take a deep breathe, look towards your exit and hold onto it's frame, just in time, the aircraft capsizes leaving you strapped to your seat upside down, you use your whole body weight to push open the windows. You unbuckle your seatbelt, all while holding your breath. At last... free, you swim up to the surface and start hyperventilating, trying to regain your breathe, finally you inflate your life jacket, hoping for the best, that you don't lose consciousness or get circled by sharks.

Lucky for us, we've been through this and I can tell you all you need to know about Survival at Sea. We were given an amazing opportunity by the Petroleum Club of WA (PCWA) to experience an almost casual day at an oil rig as we escaped submerged helicopter simulators, jumped off oil rig platforms into the pool below, practiced survival skills in a safety raft, survival in the open ocean and many more life skills, all sponsored by Industrial Foundation for Accident Prevention (IFAP).

They showed us a whole new ball game, with what offshore workers have to go through when things go wrong such as being trapped inside a capsized, submerged helicopter and jumping off oil rigs to evade fires, and even giving us our very first taste of pre-packed life raft food. One of these simulators also included a winch system where they would pick us out of the water with a winch. It was amazing experience and opportunity which we thank the PCWA and IFAP for giving us this experience.

*Sharvin Jeyendran Year 8 - Sacred Heart College*

## PRIZES...

### 2nd PRIZE - Methodist Ladies College

#### SPE Asia Pacific Oil & Gas Conference

The oil and gas industry is an exciting and dynamic field, a field that provides thousands of people with fulfilling and rewarding careers. Career development, collaboration and knowledge sharing are fundamental to the success of our industry; SPE conferences like APOGCE provide forums to accomplish these objectives, while promoting technical excellence and innovation.

Students from Methodist Ladies College attended the SPE Student Workshop hosted by Chevron where they heard from guest speakers from the industry and conducted interactive experiments.



### 3rd PRIZE - Warnbro Community High School

#### SITE VISIT TO SCHLUMBERGER WORKSHOP

The Schlumberger Newburn base facility in Western Australia is a combined office and workshop facility located on the outskirts of Perth. It is at this base where Schlumberger engineers prepare and service equipment before it is sent to the rig site and operating areas.

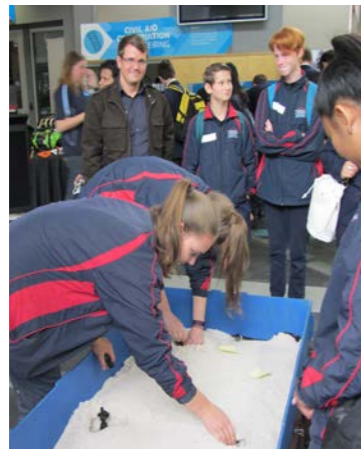
Students toured the premises and experienced Schlumberger's Drilling and Measurements, Wireline and Well Intervention segments. These segments provide engineering, planning and operations support, serving both national and international oil companies. We got to hear from Schlumberger's passionate staff on their career journeys.

# Schlumberger





# Next Generation Gallery



# OUR SPONSORS...

THANK YOU TO OUR 2016 SPONSORS & PARTNERS

## Platinum Sponsors



## Education Sponsors



## Prize Sponsors



# Schlumberger

## Student Expo Day Partners

