

Apache Energy Limited (Apache), on behalf of the Van Gogh joint venture participants, is proposing to develop an oilfield, known as Van Gogh, off the Exmouth coast.

Meeting Details

Meeting location: Art Gallery of WA, Perth
 Time: 11.00am – 12.00pm, followed by light lunch.

Agenda

The meeting agenda was as follows:

1.	Welcome & introduction	Caroline Wringe
2.	Project update	Myles Hyams
3.	Subsea installation presentation	Kevin McKendry - Acergy
4.	Question and answer session	
5.	Other information required by SCG	
6.	Agenda and timing for next meeting	Caroline Wringe

Attendees

The attendees at the meeting are listed in the table below.

#	Name	Company/Organisation	Title
Apache			
	Myles Hyams	Apache Energy	Environmental Manager
	HK Chiam	Apache Energy	Installation Manager
	Caroline Wringe	Apache Energy	Public Affairs Officer
	Kevin McKendry	Acergy Group	Project Manager
Government			
1	Kim Anderson	Department of Industry and Resources (Petroleum Environment Branch)	General Manager
2	Zoe Jones	Department of Industry and Resources (Petroleum Environment Branch)	Senior Environmental Assessor
3	Rob Tregonning	Department of Fisheries (Fish Habitat Protection Program)	Snr Policy Officer, Environmental Assessment
Non-Government Organisations			
4	Richard Ellis	APPEA	Director, Government Affairs (WA)
Community			
5	Erin Hobbs	University of WA	PhD student

Minutes

Myles Hyams presented an update of the Van Gogh Field Development for 15 minutes, including results of the Theo-3H drilling campaign and project contracts awarded to date. Kevin McKendry presented an overview of the subsea installation campaign for 30 minutes. Chiam provided information on the logistics of the subsea installation campaign. Myles provided an overview of issues discussed at the Exmouth SCG meeting.

The following minutes are a record of questions and answers recorded during and after the presentations.

Name	Comment/question	Action
Kim	What is the size and scale of the FPSO model?	
Chiam	The FPSO model for testing is approximately 1.5 metres in length on a scale of 1:100. The FPSO model is used to show reactions to simulated storm conditions. It is then refined accordingly.	
Myles	Prevailing wind conditions are modelled to record the response on the FPSO. We have pictures showing the lines connecting and disconnecting. We have had this model patented.	
Rob	What kind of anchoring will be used?	
Myles and Chiam	We will use three anchors and three sets of chains. The chain size has been modified to increase its thickness. As a result of tank testing in the Netherlands (scale model testing) we have refined (reduced) the loads. We were conservative at the start.	
Rob	Regarding the anchors – who installs this and how does it sit?	
Kevin	The anchors are installed with tension. The chain is fed overboard as the anchor is lowered. It is buried into the seabed and will sit 1 to 2 metres below the seabed by the time it is anchored up. On the HLV (installation vessel, the <i>Toisa Proteus</i>), dynamic positioning is used, which means it does not need to anchor when working. Transponders which have extra high frequency to communicate the positioning are used. The spools are installed using wires. The spools are bulky but not heavy, with dimensions of about 15-25 metres long and 7-8 metres high.	
Rob	Will the use of the Exmouth Gulf (for HLV, transfers for installation) be similar to that for Stybarrow?	
Chiam	Yes the same area will be used.	
Kevin	It will be in the area that is commonly used in the Gulf for HLVs, opposite Kailis. The area is in water depths of 12 to 20 metres and not too far to the north west or to the south west, because there it's too shallow.	
Myles	We will be discussing our plans with Kailis to ensure we do not interrupt their activities. The HLV will be on the side of the Cape which has deeper water and which is not used by turtles for nesting.	
Myles	Closed the meeting. Asked for the SCG members to think about a name for the FPSO, with nominations welcome by email or phone by Friday 3 rd August.	