



# HEALTH AND SAFETY

FACT SHEET | November 2009

## Building a Safety Culture

A Thailand based company, STP&I, was awarded a contract to fabricate 263 production modules for the Pluto LNG project. Woodside, STP&I and Foster Wheeler WorleyParsons (the Pluto engineering, procurement and construction management contractor) have worked together to develop a sustainable health and safety approach for this project.

In addition to delivering an outstanding safety record to date, the program has brought local community benefits, including the refurbishment of a local boys' home dormitory.

### The Challenge

At the start of this project, STP&I, the Thailand cultural environment and the project delivery model were all new to Woodside.

Woodside's challenge was to work with Foster Wheeler WorleyParsons (FWW) to develop a sustainable health and safety approach that was understood and supported by every one of the 10,000 STP&I personnel. The development of a strong safety culture and adoption of Woodside's key safety objective of 'no one gets hurt, no incidents' were seen as paramount.

### The Project

Woodside contracted STP&I to fabricate the Pluto LNG train modules (equating to approximately 52,000 tonnes gross weight) in Laem Chabang, Thailand. Each module was constructed then shipped to Karratha by heavy lift, wide-deck and roll on-roll off vessels.



At project end, 52 shipments will have been sent. At full production the total numbers working at Laem Chabang peaked at nearly 10,000 personnel - equating to more than two million hours worked a month.

Fundamental to creating a strong safety culture on site has been the unified approach of Woodside and FWW management to focus on setting high standards, communicating openly, confronting risk and involving the workforce.

The approach was founded on Woodside's Golden Safety Rules, establishing these as a benchmark and also focusing on prevention by proactively anticipating the upcoming risks using a six-week look ahead. A retrospective management of risk was also adopted through hazard observations; continuous observation and risk evaluation; audits and loss prevention inspections.



*Woodside refurbished the Bang Lamung Boys Home*

Mechanisms were established to motivate, educate, support and reinforce positive health and safety behaviours including safety milestone celebrations, monthly awards and interactive safety fairs - all tailored to Thailand's culture.

## Achievements

STP&I has achieved an outstanding safety record to date. By October 2009, 31 million hours had been worked with 10 medical treatment cases, resulting in a frequency rate of less than 0.26 since project start.

During execution of the fabrication and erection works significant focus was placed on minimising environmental impacts. As a result, no significant environmental incidents have occurred to date.

The refurbishment of a nearby boys' home was a project established to engage and motivate project employees while making a positive contribution to the local community. It is hoped the improvements made will provide a healthier and happier environment for the boys in the years ahead.

## More Information

All stakeholders are invited to contact Woodside for additional information at:

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