

Electrical equipment order for PNG's massive LNG project

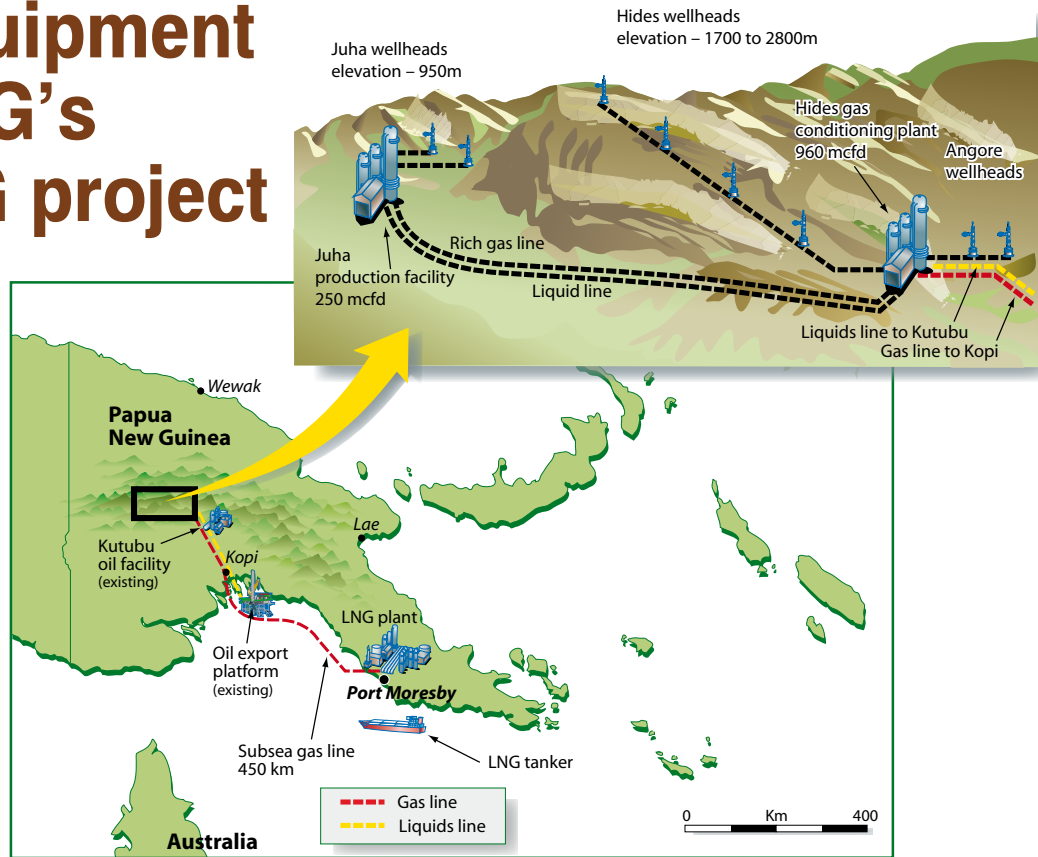
Hawke MCT transit systems are to be used in Papua New Guinea's massive \$15 billion LNG project currently under construction.

The order was placed by Conneq iPower Solutions which has been contracted to build seven switchrooms. It calls for 126 frames with initially over 2,500 blocks.

The order had been placed on JT Day for transit systems from HTS on the basis the client was impressed with the ability to visually inspect the installation to ensure the correct block has been installed to ensure a good seal around the cable.

This and ease of installation of the HTS products compared with other systems available was the key to the selection said Queensland manager Paul Dos Santos. The \$15 billion PNG LNG project, a world scale LNG project will more than double the country's GDP and triple the country's exports based on expected production of 6.6mta of LNG.

Project construction began in March 2010 and is expected to be operational by 2014.



It involves taking gas from several sites in the PNG highlands and transporting it by pipeline to an LNG plant being located 20kms north of Port Moresby.

From there it will be loaded onto LNG tankers.

The plant will be operated by Esso Highlands Ltd, a subsidiary of Exxon Mobil Corporation.

A typical transit system similar to the one being installed.



Queensland coal seam methane projects gather momentum

A partnership of JT Day, MacLean Electrical and Noskab has won significant orders to supply specialised hazardous area / industrial electrical equipment for the rapidly evolving Queensland coal seam gas projects.

Orders have been placed through JT Day's new Queensland office by Bechtel Oil, Gas and Chemicals, the project contractor for the Curtis Island projects being built near Gladstone.

Curtis Island will accommodate all three LNG plants – the Santos operated Gladstone LNG plant, the Australian

Pacific LNG plant and the Queensland Curtis LNG plant.

They will be established to liquify coal seam gas (methane) taken from the Surat Basin, a large area in southern Queensland and northern New South Wales.

The methane has been stored within the coal in a near-liquid state, lining the inside of pores within the coal. The open fractures in the coal (called cleats) can also contain free gas or can be saturated with water.

When burnt, methane produces 40% less greenhouse gas than coal.



New multi application LED floodlight from Chalmit Lighting

Chalmit has released the SOLAS floodlight as an addition to its range of IEC Ex certified hazardous area lighting products.

The LED driven Solas features as a general floodlight, an emergency floodlight and a special floodlight specifically for platform abandonment lighting.

The SOLAS features

34 X 1.5w LEDs which has a lumen output comparable to a 70w HPS lamp.

As the unit contains high quality LEDs, 60,000 hours of continuous operation can be expected within specified ambient conditions which provides for long life maintenance free operation.

The SOLAS is constructed utilising an Ex d main body with an external Ex e terminal chamber reducing the need for

Ex d barrier glands when terminating cable.

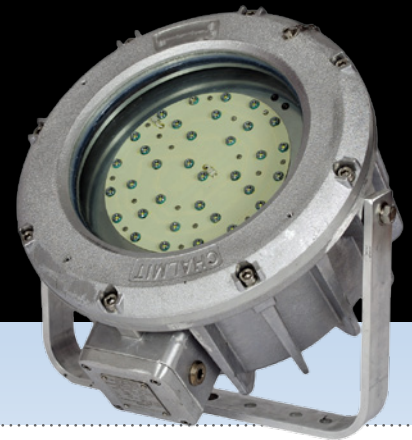
- **Floodlight**
The SOLAS is ideal for illuminating areas within the facility where regular task lighting is required. An interesting feature is that lenses can be fitted to alter the beam spread to enable more general area applications.
- **Emergency flood light.**
This light comes with internal battery back-up that can produce 100% output for 90 minutes or 50% for 3 hours.
- **Abandonment lighting**
Designed specifically for offshore platforms, the abandonment lighting facilitates a safe launching of lifeboats in an emergency escape by illuminating the sea in lifeboat muster locations.

The abandonment lighting system has

internal battery backup which operates at 100% for 90minutes or 50% for 3 hours.

The SOLAS also features a Remote Inhabitation function which allows the LED's to remain de-energised (Off) when the mains power is interrupted. By operating the switch the LED's can be energized and run from the internal batteries.

A remote switch ensures battery duration can be maximized during platform abandonment.



Regional Roadshow WA



The process technology regional roadshow in which Weidmuller and JT Day participated has been conducted in regional Western Australia and is now bound for centres in Queensland.

Centres covered in Western Australia were Bunbury, Rockingham, Kalgoorlie and Karratha.

Queensland's Gladstone, Mackay, Mt Isa and Townsville will receive the show in September.

The show, has been taking the latest in industrial automation, instrumentation and process control technology to regional and remote Australia since 2005!

Introducing our Brisbane manager



JT Day has appointed Paul Dos Santos as its business development manager for Queensland and New South Wales.

Paul, a mechanical engineer is finding the reception from the oil and gas industry in Queensland to JT Day surprisingly welcoming.

"Despite being relatively unknown in Queensland, we obviously tick the right boxes because I'm finding companies here extremely receptive to our range of products.. They like our specialisation," he said.

Prior to joining JT Day, Paul managed a distributor of electrical switchgear while in South Africa he ran his own company that specialised in supplying electrical componetry. Most of his life has been spent in South Africa, although he originally hails from Portugal.

New low cost alternative to cable cleats from BAND-IT

JT Day has recently been appointed distributor for Band-Fast clamps, a unique cable restraint clamp that provides a low cost alternative to cable cleats.

These clamps, made from 316 grade stainless steel, coated with PPA 571 polypropylene are fastened into position with the use of a special application tool.

They're significantly lighter than traditional cable restraint clamps and require at least 50% less time to affix.

The Band-Fast has an extremely low profile finish and fully rounded edges which results in accessories such as fixings, liners, and packers etc not being required.

Standard width is 15.88mm with lengths from 300mm to 1000mm for single and double wrap applications to accommodate wide variations in cable diameters.

They've been independently tested for shock and short circuit.

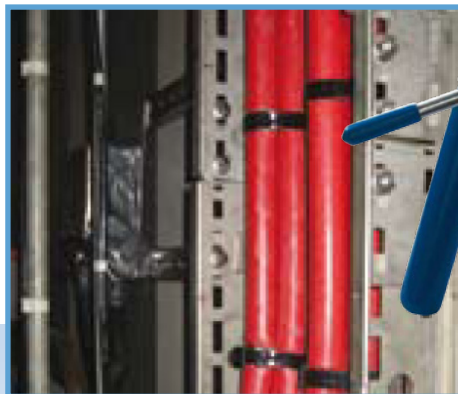
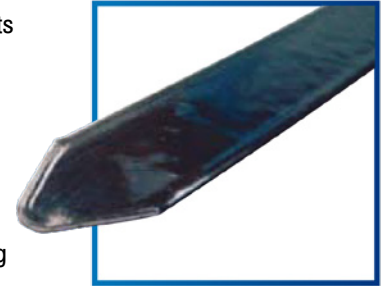
Case study

An interesting case study was undertaken by Aker Solutions, international engineering and construction contractor, during construction of a drill rig they installed a total of 40,000 clamps. In doing so, they reported:

- » an overall 50% reduction in material and labour costs compared to cleats,
- » a reduced inventory because a one size Band-Fast fits all
- » enhanced safety because of fewer risks of dropping cleats and bolts from heights.
- » lower profile cable runs which meant space savings
- » reduced risk of damage to cable insulation during cable pulling.

We see these Band Fast clamps as not only being ideally suited for off shore drilling rigs but becoming the standard mode of clamping in virtually any environment where clamping is required to fix heavy duty cabling especially in corrosive conditions– for example ship building, submarines, refineries, mine sites and bridges and tunnels.

They would also be ideally suited for cable restraining in office towers and factories.



The C075 Bantam Tool, specifically designed for the application of all Band-Fast clamps assists in achieving a 50% labour saving versus some cleats.

Equipment bound for project at the famous Sakhalin Island

J.T. Day Melbourne and our Perth based projects team have successfully worked on a project to supply fire and gas detecting equipment, along with instrument and electrical equipment for the Sakhalin-1 Project – Chayvo (Phase 2) operated by Exxon Neftegas.

The Chayvo Phase 2 project, an expanded development of Chayvo natural gas resources involves drilling additional gas wells and the expansion of existing onshore and offshore facilities. Operators are hoping to develop the operation there to be able to withstand the extreme arctic like conditions so that it can be operated continuously.

The orders included Chalmit hazardous area lighting, Hawke International hazardous area 316SS and GRP junction boxes plus the Oglænd System 316SS cable ladder, and accessories.

Specifications required the electrical and instrumentation equipment to be able to withstand Sakhalin's near arctic conditions.

It also had to be GOST R certified which is mandatory for a wide range of products entering the Russian market. The certification demonstrates compliance with Russian safety requirements and has to be supplied in Russian.

The project on Sakhalin Island and immediately offshore, in the Okhotsk Sea

has been extreme for more than just the weather as since 2003 six records for extended-reach drilling wells have been set in records for depth, rate of penetration and directional drilling.

On 28 January 2011 the world's longest borehole was drilled at the Odoptu field, with a measured total depth of 12,345 metres (40,502 ft) and a horizontal displacement of 11,475 metres (37,648 ft), in 60 days.

The location has not been without controversy as the island in the North Pacific lying between 45° 50' and 54° 24' N is part of Russia since the displacement of the Japanese from the island in 1949.

JT Day celebrates its 50th anniversary this year

Since J.T. Day's beginnings in 1961 when the company was launched in West Leederville by electrical engineer, John Trevor Day it would be fair to say we've come a long way.

J.T. Day began as a one man band supplying electrical componentry to general industry, primarily supplying components to electrical wholesalers, contractors and manufacturers.

Among the principal items of componentry were products for rewinding electric motors.

Though our founder has long passed on we still have a John Day on our board of directors.

Mr Day, the founder's son joined the company at the age of 22 and was the company's third employee.

He says he can still remember the sole cupboard that the company stock was kept in when the business first started.

The business was passed to him some 10 years later and remained in his hands for a further 32 years.

About 20 years ago he foresaw the opportunity to specialise in providing electrical equipment for the oil and gas and mining industries because there were no home grown specialists in this area.

Flourished

The concept flourished as he sought out opportunities to distribute specialist products for hazardous areas and harsh environments primarily made in the U.K. and Europe.

"The U.K. suppliers were particularly important as the Australian electrical standards are basically the same and many of the manufacturers there had developed products through experience in the North Sea oil and gas fields," Mr Day said.

The need to achieve world class standards in this field led to Mr Day accepting an offer in 2006 from Scottish based MacLean Electrical to acquire the business.

Mr Day took the opportunity to retire just over two years ago while being retained as the local director with MacLean's principal, Donald MacLean. Brian Prunty was appointed general manager.



The founder, John Day and his son, John.

World leader

MacLean Electrical is regarded as one of the world's foremost electrical distributor specialists in the supply of electrical equipment, lighting systems and cables for onshore, offshore and renewable energy, petrochemical, process, marine, industrial and infrastructure applications.

The amalgamation has been a near perfect fit as MacLeans have added extra vigour into the company with an additional range of products and a world class level of experience in the industry.

The outcome has been a great level of support for Australian projects and an expansion



program resulting in JT Day now having offices in Brisbane and Melbourne and winning a significant share in the oil and gas industries there.

New premises

The Australian headquarters will remain in Perth and accordingly new premises in Inspiration Drive, Wangara are being developed under the supervision of Mr Day.

The new premises will be a unique, purpose built structure developed to provide substantial warehouse cable storage facilities as well as an office for a growing staff currently standing at 26.

One of the interesting aspects of the building is that the IT fit-out is being purpose developed for which technicians are coming from the U.K. specifically to install the equipment.

And if that's not sufficient to have made the amalgamation an outstanding success, Donald MacLean, like John Day is a fanatical golfer which means golfing is big on the social calendar of JT Day.

If you haven't yet been invited to one of our golfing days – get out your clubs for a practice as you're sure to be so, soon.

Our brands:



www.jtday.com.au

Perth: 36 Mumford Place
Balcatta. W.A. 6021
Tel: (08) 9345 3388
Fax (08) 9345 3068
perth@jtday.com.au

Melbourne: Level 4, Suite 13
150 Albert Road
South Melbourne VIC 3205
P: (03) 9685 7522 F: (03) 9685 7599
melbourne@jtday.com.au

Brisbane: Toowong Tower
Level 5, 9 Sherwood Road
Toowong QLD 4066
PO Box 2178
P: (07) 3310 8756 F: 3310 8757
brisbane@jtday.com.au