

Curtain Bros – Breaking New Ground!

Australian Contractors, Curtain Bros based in Townsville, Qld have purchased a new piece of equipment to be used in their ground consolidation operations in Papua New Guinea. The machine is an RIC unit (rapid impact compactor) designed by BSP International Foundations Ltd (UK) bought exclusively through ThyssenKrupp Steelcom out of Newcastle, NSW.

This type of machine has been successful for about 8 years in Europe, North America and Middle East, but is the first supplied into PNG. The RIC5000 rig consists of a modified piling hammer mounted on a suitable excavator – in this case a Volvo 290C, supplied by Brisbane dealer CJD equipment.

Hydraulic power is taken from the excavator to operate the hammer. A unique foot design transfers energy from the dropweight to the ground. The foot remains in contact with the ground during compaction and does not throw up debris like other compaction techniques. As the name suggests, a fast blow rate is achieved and ground is treated by imparting typically 20-80 blows (depending on soil strata) at each compaction point. Instrumentation is fitted to monitor blows and energy from the hammer as well as recording ground penetration and ground settlement.

Assembly of the RIC unit to the excavator was done at Curtain Bros workshop at Motukea Island near the capital Port Moresby. The first site compacted was the Harbour City development in Port Moresby itself. Curtain Bros are constructing new berths on land reclaimed from the sea. Depths of fill are 3 to 5m using sand and gravel quarried from nearby cuttings made through the surrounding mountains during road construction. The site will also be the location for residential development and commercial offices.

The machine is completely self-erecting and can be mobilised on site in minutes. After this job is complete the intention is to transfer the rig up to Tari in Southern Highlands, PNG for work in compacting fill put into large drainage channels alongside the highways known in Pidgin English as "Barats". These "Barats" up to 3m deep are being filled in and require a fast efficient method for consolidating the fill.



BSP International makes the RIC unit in several models. This 5T unit being the smallest. 7T and 9T rigs have also been mounted on 40-45T excavators, with the largest so far, 12T going on a 60T excavator. The RIC technique is suitable for sand and gravel fills up to 8m (depending on machine size) and has been successfully used to consolidate land many parts of the world and a wide variety of structures built on the treated ground. From schools, warehouses, and 3-4 story apartments in USA; to large land reclamation works in the Middle East for Oil and Gas treatment plants.

For projects requiring precise record of how the ground has responded to treatment; a full GPS package can be added to colour-map the treatment results and log the progress of RIC across the site.

For more info, contact ThyssenKrupp Steelcom on 02 9954 9166 or Sales 02 4966 0688.

ThyssenKrupp Steelcom

HO: +61 2 9954 9166

Fax: +61 2 9955 4298

Sales +61 2 4966 0688

NZ: +64 9 576 3977

enquiries@tk-steelcom.com.au

www.tk-steelcom.com.au



ThyssenKrupp Steelcom and BSP International Foundation Joint Sales Calls

ThyssenKrupp Steelcom and BSP recently conducted a joint sales call in Auckland, Christchurch (NZ) and Brisbane and Perth (AU).

BSP is one of the world's premier manufacturers of hydraulic hammer and compaction equipment. BSP hydraulic piling hammers provide an economical solution for the installation of all types of steel or concrete piles either land or marine environments. Jimmy (Jim) Poll, BSP's Special Projects Director, travelled all the way from UK to join Andy Fenn, NZ Sales Manager in the Auckland and Christchurch leg of the tour. Here they met with six of NZ's finest engineering companies and constructors. Overall feedback was very good. Now, the clients have a better understanding of the principle behind BSP's hydraulic hammer and its technical advantages.



Jim was then joined in Brisbane by Stephen Harmer, GM and Byung-Yong (BY) Jang, Technical Sales Manager, where they met with Brisbane's most diversified contracting, engineering and services provider.

The last leg of the NZ/AU tour was Perth WA. Alissa Warren, WA Business Dev. and BY joined Jim to meet up with the WA clients.

All TKSteelcom clients spoke highly and regarded Jim as a very knowledgeable and credible man. They were all very gracious and thankful of Jim's visit, and everyone took his expertise on board. This visit, not only enabled TK Steelcom and BSP to build a stronger, more personal relationship with our clients, but also clarified some issues they had previously with BSP equipments, in particular the RIC (Rapid Impact Compactor).

One client is even more convinced now he confirmed he has 2 specific projects. Based on this meeting, he will now move ahead with the purchase of a suitably used base unit and hope to place the order for the RIC12000 within the next couple of months! Now that's what we call effective sales calling.

Should you have any questions on any BSP equipment, or require assistance in your next piling project, please contact us on 02 9954 9166.

Come and meet our team at the ACE EXPO 09!

The first major event to be held in 2009, ACE prides itself in being one of Australia's largest trade the earthmoving, civil contracting and quarry industries.



Held every 2 years, it also attracts visitors from the demolition, farming, forestry, mining, road construction, hire & rental and government sectors **The 2009 Expo will be held at Sandown Racecourse (Melbourne VIC) from 26th - 28th February 2009.**

ThyssenKrupp Steelcom will be on a stand H14. Look for the blue TK flags and our ever friendly sales staff ©

Australia • NZ • PNG • Pacific Islands

Steelnews

ThyssenKrupp Steelcom

HO: +61 2 9954 9166

Fax: +61 2 9955 4298

Sales +61 2 4966 0688

NZ: +64 9 576 3977

enquiries@tk-steelcom.com.au