

## Chief Executive's report

This is the time of the year when I start sending out reminders of things that are happening (or going to happen).

First is a reminder to all members and their staff in Auckland about the meeting on 1 March – I already have indications from 17 companies that they will have people attending (total number of people at present is 27). Companies who are going to attend should remember to fill out the sheet advising of numbers so that I can ensure that the hotel is aware of how many will require dinner.

### Crane Project of the Year

I sent an Email earlier this month to members soliciting entries for the Crane Project of the Year.

Notices of intent should be with our office by 1 March and I have only 1 to date.

Remember it's a prestigious award and let's see if we can beat the numbers received last year.

### Code of Practice for Cranes

The long-awaited revision of the Code of Practice for Cranes was issued in December and became effective on January 7.

We have hard copies available for those who don't wish (or are unable) to download a free copy from the Department of Labour web site.

All publications that we offer are able to be ordered from off our web site.

## Crane Register

Later in the month we will send out the details of your current listing in the Crane Register for updating.

The council has determined that for 2010/11 only cranes IN NEW ZEALAND are to be listed and a full listing will only be able to be made under one region.

If companies have branches in other regions then readers will be pointed to the main address for the crane details.

## Crane Council

From early indications received there is a likelihood that there will be 2 positions available on the council for the 2010/11 year for full member representatives.

If you are interested in standing for council and would like to attend a council meeting as an observer to find out what happens please contact our office so that we can arrange to have you sit in and observe the ways meetings are held and the topics they tackle.

The next council meeting is on 2 March in Auckland. It's being held at the Jet Park.

## From the President

*If we are to believe everything we hear about the improving economy then we appear to be over the worst of the recession. I know that many of us have started the year with a high and growing workload. That is promising.*

*Having said that I hope that everyone had a good break over Christmas (those who didn't have to work) and have come back refreshed for 2010.*

*Remember that on the evening of 1 March, at the Jet Park, in Auckland the council will meet any members who want to attend to find out what goes on behind the scenes.*

*It is also an opportunity to question the council. This will be the second of these meetings, the first having been in Christchurch in November. For those wishing to stay after the meeting there will be a meal at the hotel, costing \$50 per head.*

*Malcolm McWhannell,  
President*

### Newsletter of the

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## Membership

The following company has joined the Association since we published the last list in October 2009: digitAL Training & Assessment Ltd

The following company has ceased to be a member: NZH Ltd



# Southern lift - cold work, clean energy



While most of us were waiting in December and January for the temperature to rise above 20 and mark the beginning of summer, a crew from Daniel Smith Industries Ltd. was hard at work in the Antarctic's Ross island, happy when it didn't fall too far below zero. The 2 operators and a mechanic used the company's Kobelco BM600 crawler to erect 3 wind turbines to provide clean energy for the scientific base. The extreme cold necessitated the use of special lubricants and treated diesel fuel. Daniel Smith Industries modified the crane at its Rangiora headquarters for the big cold, before shipping it south. The Kobelco is now returning by ship to New Zealand. The job featured on TV One's news.

## 2010 Conference Obituaries

The first of the early bird discount periods for the 2010 conference has expired now. Rates that apply until 31 March have been sent out to all members. Don't forget that you have to book your own accommodation at the hotel. There are still sponsorship opportunities available so if you are interested please contact our office.

Although we have not used the newsletter for obituaries in the past it seems appropriate now that we record the passing of the wife of Malcolm Palmer (my predecessor as Chief Executive Officer) and also Warren Green (formerly of Fletcher Construction). Warren was a well known figure in the Association. Condolences have been extended to each of their families.

## Online tender network starts up

A web site that may be of interest to Crane Association members is promoting wider use of tenders to advertise work opportunities. TenderIt encourages companies to put their work offers out to tender. Being the Internet it means tenders can be viewed throughout the country without contractors having to scour libraries or subscribe to multiple publications to become aware of

upcoming work. Membership is \$1 per day. The site offers a service similar to the Government Electronic Tender Service (GETS) but it accepts tenders from the private sector, as well as central and local government. The site has no added success fees or other charges.  
[www.tenderit.co.nz](http://www.tenderit.co.nz)



# ■ Tower Cranes

## PROCEDURES AND PRECAUTIONS

Tower cranes must be selected to suit the needs of a project. In selecting the most suitable size and type of tower crane for a particular project the details of cranes available must be considered against the weight of the loads to be handled and the conditions in which the crane will operate.

The factors that influence the decision to use a tower crane are relatively straightforward and include:

- Where a project requires a crane for a long term
- Height, weight and radius
- Costs – Mobile vs tower
- Where site constrictions, congestion or access preclude the use of mobile cranes
- Where lifting frequency is high

**There are two main tower crane types:**

- the hammerhead (saddle jib) crane: and
- the luffing jib crane.

Within these two types there is a wide range of lifting capacities and sizes available including fixed base, travelling base and internal climbing configurations. The type of crane, whether traveling, fixed or internal climbing is usually determined by the space available for the base within or adjacent to the structure being built.

**There are many operating procedures and precautions that apply to all cranes and these are detailed elsewhere in this manual. Specific details relating to tower cranes are listed here. Therefore, this section MUST NOT be read in isolation from other relevant sections of the manual.**

**Specific influencing requirements of particular projects may include:**

- Weight, dimension and lift radii of the required loads
- Type and size of the crane base
- Tie in intervals
- Climbing arrangements
- Proximity to buildings and other tower cranes
- Foundation, erection and dismantling costs
- Ability to free slew when out of operation
- Availability/suitability of laydown/assembly area
- Capacity and reach of available mobile cranes for erection and dismantling
- Height of required lifts and obstacles to be cleared
- Maximum free standing height
- Ability of the building to handle tie in and/or floor loadings
- Jib length available
- Lifting area to be covered
- Power requirements and availability
- Duty cycle
- Noise constraints