



SAFETY ALERT

On 01 April 2006 a crane working on Jumeirah Lake Towers project overturned whilst lifting a section of tower crane mast. The crane was working with a 9.0 metre fly-jib at a radius of 31 metres. The mast section weighed approximately 1.6 tons but the duty charts for the crane detailed the crane could only lift 0.6 tons at 31 metres radius.

Investigation by EHS identified that the crane did not have a working Safe Load Indicator (SLI) and the contractor had failed to plan the lift adequately. The contractor subsequently got another crane in to recover the overturned crane but the work was stopped as the recovery crane also had no SLI and no test certificate.

All contractors must take note of the following points and immediately review their procedures for lifting operations to prevent this type of accident occurring.

The following must be adhered to:-

- ➔ *All cranes being brought onto site must be in possession of a valid test certificate issued by a third party approved by JAFZA.*
- ➔ *All cranes with a capacity greater than 1 ton must be provided with an automatic safe load indicator with a visual and audible warning. The SLI must not be disabled and must be in working condition.*
- ➔ *Cranes must be selected to ensure they have the capacity required for the job.*
- ➔ *A risk assessment must be undertaken for all lifting operations and all lifts must be planned by a trained and suitably experienced person.*
- ➔ *Mobile cranes must be set up on firm level ground with outriggers and rigger mats provided in accordance with the crane manufacturers manual.*
- ➔ *Crane operators must be in possession of a competency card issued by a 3rd party assessment organisation.*

**For further information contact:
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Safety Alert 013 120406