

demolition & recycling international

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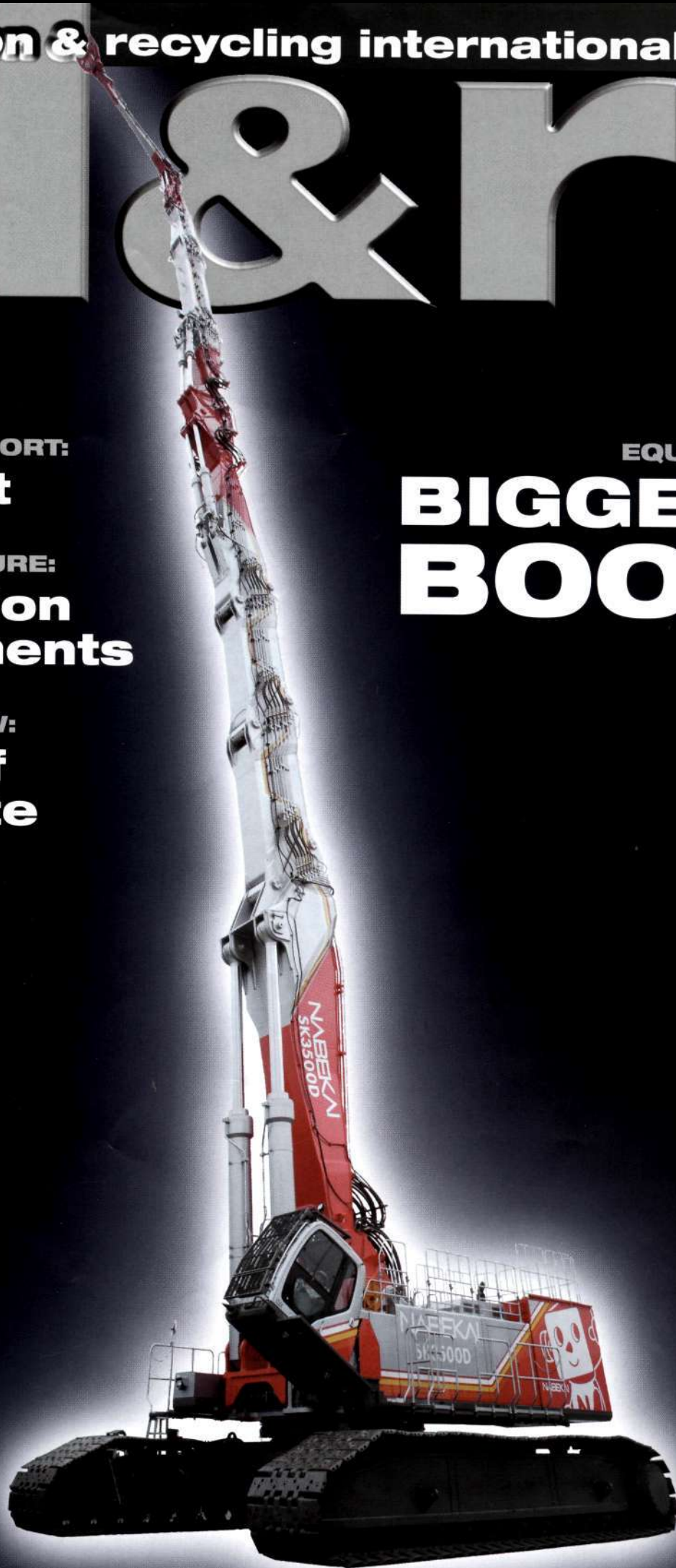
REGIONAL REPORT:
Far East

SPECIAL FEATURE:
**Demolition
Attachments**

SHOW PREVIEW:
**World of
Concrete**

EQUIPMENT:

BIGGEST BOOM



Making history in Portugal

A six-man team from Controlled Demolition Group, aided by 20 Portuguese labourers, spent four weeks preparing for a blow down on the Troia peninsula in Portugal on September 8th 2005. CDG was contracted by Portuguese construction company Contacto to bring down a two-tower hotel complex, the very first explosive demolition job to be carried out in the country.

Portuguese leisure company Sonae, who owns Contacto, has bought all the land and buildings on the peninsula, including other hotels, and is developing the whole area into a large-scale holiday resort.

The end of the peninsula was shut down for the day of the demolition, which saw the collapse of both sections of the hotel – the 18-storey Torre 6, and the unfinished 16-storey Torre 4 building.

A total of 96 kg (192 lb) of explosives and 2,500 non-electric detonating charges was used to bring the buildings down onto their own footprints, creating a 12,000 tonne pile of rubble – just 30 m (98.5 ft) away from the nearest neighbouring hotel building.

Subsequent events have been less kind to CDG, however. Following the loss of its investment partner 3i later in September, the company has entered administration, with its name and intellectual property sold on (see news for more information). **d&ri**



Croatian crushing

The removal of over 100,000 m³ of material, in as short a time as possible, during the partial demolition of the Hotel Libertas in Dubrovnik, Croatia, was the challenge facing the country's leading demolition contractor, EURCO. The work was conducted to make way for a new hotel on the same site, to be called the Libertas Rixos, on behalf of the original hotel's owner, RIXOS Hotels from Turkey. The general contractor for the job was Turkish construction company SEMBOL from Antalya, who appointed EURCO to carry out the demolition work in a contract values at o 1 million (US\$1.2 million).

To achieve the tight deadlines, EURCO had to deploy an impressive range of demolition power. Eighteen excavators formed the backbone of this, ranging in size from 58 tons (a Komatsu PC450 LC-6 XX with a 24 m (79 ft) long reach demolition boom fitted with a Komatsu JCYC17 demolition shear) down to 1.5 tons (Kubota KX41s with Atlas Copco CC 250 shears). At peak, EURCO had 28 workers and 2 site engineers on the site, with 10 workers carrying out cleaning and recycling activities.

The larger machines were used for heavy demolition work, while the small machines were used inside the building. There they carried out demolition work and cleaning on the original hotel rooms, which are to be used as the basis of the new building. In all, 35,000 m³ of concrete were removed from the site in 75 days, with a further 70,000 m³ of natural stone excavation and removal being carried out over the following 95 days. The new hotel is set to open its doors by the end of 2006.



Demolition work has started at northwest UK tourist attraction Wigan Pier as part of a €67 million (US\$80.1 million) transformation project. UK contractor J Freeley Ltd, working on behalf of main contractor Nuttal Construction, will demolish five buildings on the site over the course of the next two months. Some historic elements of the buildings will be retained and incorporated into the new scheme. In total, the demolition should result in 6,000 tonnes of hardcore and concrete, which will be crushed on site and used as aggregate during the construction phase of the project.

