



# TADANO GLOBAL NEWS

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## Distributors preview the new all terrain flagship: ATF 220G-5

The fourth and, to date, largest all terrain in Tadano Faun's Global series was unveiled at the second International Distributor Meeting at the Faun factory in Lauf, Germany on 7-8 March.

Distributors from 15 countries, gathered from the Middle East, Asia, South Africa and Oceania to see the new ATF 220G-5 put through its paces on the testing ground.

The ATF 220G-5 has a maximum rated capacity of 220 tonnes at 2.5-metre radius over the rear. At 3-metre radius through 360° it can lift 176.5 tonnes.

The seven-section boom extends from 13.2 metres to 68 metres. As with all Global series all terrains, the boom telescopes using a single hydraulic cylinder to reduce weight and maximise lifting capacity. It can telescope under partial load. For added reach there is a 13.2/37.2 metre boom extension with an integrated 5.4 metre heavy-duty jib that can be off-set at 0°, 20° or 40°.

As expected, it has been designed to be an exceptionally strong lifter. With maximum 71 tonnes of counterweight, at 20-metre radius it can lift 30.4 tonnes; at 40 metres it can lift 10.6 tonnes; and way out at 60 metres it can still lift 3.9 tonnes.

The main and auxiliary hoists have a maximum single line pull of 109kN and a maximum rope speed of 128 m/min.

The Liftadjuster system, which prevents the load from swaying, comes as standard and the Tadano AML system has a working area limiter



The five-axle carrier has 10x8x8 drive/steer. For efficient travel between job sites it can go at 85km/h, thanks to its eight cylinder 390kW Mercedes diesel engine, while on or off highway it can tackle gradients up to 61% with 16.00 R25 tyres.

The front two axles use the ZF Servocom steering system. The rear two use the Faun steering system, a standard feature of the Global all terrains. The fourth axle is steered electronically at speeds up to 25km/h and then switches off automatically. The fifth axle is electronically steered up to 50km/h before automatically switching off. For crab steer, the third axle lifts up. The transmission is ZF ASTronic with intarder and fully automatic shifting of the 16 forward and two reverse gears in a two-stage transfer case.

The 220-tonne capacity flagship of the Tadano Faun all terrain range can lift 3.9 tonnes out to a radius of 60 metres

International distributors met at the Tadano Faun factory in Lauf to see the new model



# The development of hydraulic mobile cranes at Tadano

## Part 1: The early years

In 1955 Tadano introduced Japan's first hydraulic crane, the OC-2 truck crane, which had a maximum lifting capacity of 2 tonnes. It was developed in response to a customer request for a lifting device that could be mounted onto trucks in service. Responding to demand for greater lifting capacities, the OC series was extended. The OC-3, OC-5 and the OC-7 (rated at 3, 5 and 7 tonnes respectively) all soon followed.

In 1964 Tadano developed the 8-tonne TS-80. This was a significant advance on the OC series, with full lifting capacities through 360° slewing. The TS-80 had X-type outriggers and a swingaround jib, housed along the side of the base boom section.

In 1965 Tadano began production of the TM-30 truck loader crane. Lifting capacity was 2.9 tonnes. It had a four-section boom, with the third and fourth sections extended manually. It had a single winch with an automatic brake. It was leading-edge at that time, and went to work for the Japanese



Antarctic exploration team near the South Pole in 1966.

In 1970 Tadano introduced Japan's first rough terrain crane, the TR-150, with a rated capacity of 15 tonnes.

Further developments in the rough terrain range soon followed. In 1978 the TR-250M was launched. Rated at 25 tonnes, it had a multiple data transmission device to permit communication between the upper swing frame and the undercarriage. The TR-250M received the 11th Machine Industry Design Award from the Ministry of International Trade and Industry in 1981. This contributed toward its sales success, leading to steadily increased market penetration.



**Next issue: Part 2: The range revised and the impact of regulations**

### Milestones in Tadano's history

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| <p><b>1948</b> Tadano Ltd. is founded and a factory established for manufacture of cargo handling equipment.</p> <p><b>1955</b> Tadano introduces Japan's first hydraulic truck crane, the OC-2 (2 tonne capacity).</p> <p><b>1962</b> Lists company shares on the Osaka Stock Exchange.</p> <p><b>1963</b> Introduces the TM series of truck loader cranes.</p> <p><b>1965</b> Introduces the TS series of truck-mounted cranes, mounted on commercial trucks.</p> <p><b>1966</b> Introduces the TL series of truck cranes, mounted on specially designed carriers.</p> <p><b>1970</b> Introduces Japan's first rough terrain crane, the TR-150.</p> <p><b>1971</b> Introduces the TG series of large-capacity truck cranes. Develops the Automatic Moment Limiter (AML). Lists company shares on the Tokyo Stock Exchange.</p> <p><b>1973</b> Establishes Tadano International (Europe) BV in the Netherlands.</p> <p><b>1978</b> Introduces the TR-250M rough terrain, which wins 1981 design award of the Ministry of International Trade.</p> <p><b>1980</b> Opens new factory in Shido, in Kagawa Prefecture.</p> <p><b>1982</b> Introduces the 120-tonne capacity TG-1200M truck crane</p> <p><b>1983</b> Introduces the AT series of aerial platforms. Introduces the AR series of all terrain cranes.</p> <p><b>1987</b> Opens the Tadano Ryogoku Building in Ryogoku, Tokyo.</p> <p><b>1988</b> Opens new factory in Sakura, in Chiba Prefecture.</p> <p><b>1989</b> Establishes Taiwan Tadano Ltd.</p> <p><b>1990</b> Introduces the TG-3600M truck crane (360 tonnes). Acquires the crane and vehicle divisions of Faun AG</p> | <p><b>1991</b> Establishes Tadano Faun GmbH in Germany.</p> <p><b>1992</b> Builds new administration building at Shido Factory. Establishes Tadano Faun Holland BV.</p> <p><b>1993</b> Establishes Tadano America Corporation.</p> <p><b>1994</b> Introduces the SuperDeck series of aerial platforms.</p> <p><b>1995</b> Introduces the Crevo series of rough terrain cranes.</p> <p><b>1996</b> Receives ISO 9001 certification. Total cargo crane production to date exceeds 300,000 units. Establishes Tadano Korea Co.,Ltd.</p> <p><b>1997</b> Establishes Tadano South China Co.,Ltd. in Hong Kong.</p> <p><b>1998</b> Introduces the all terrain AR-5500M (550 tonnes). Celebrates the 50th anniversary of incorporation.</p> <p><b>1999</b> Introduces Crevo 200 EXC in Europe.</p> <p><b>2001</b> 10th anniversary celebrations of cooperation with Faun, and founding of Tadano Faun GmbH.</p> <p><b>2002</b> Introduces GT-550E truck crane (55 tonne) for Asia</p> <p><b>2003</b> Establishes BQ-Tadano (Beijing) Crane Co., Ltd., China's first JV company for manufacturing truck cranes. Opens Tadano Middle East Representative Office, Dubai.</p> <p><b>2004</b> Introduces ATF Global Series at Bauma 2004.</p> <p><b>2005</b> Begins three-year factory reorganisation and expansion to increase production capacity in Japan by 30%. Establishes Tadano Asia Pte Ltd. in Singapore.</p> <p><b>2006</b> Begins serial production of truck crane chassis for GT-550E (55 tonnes) at Shido factory. Construction begins on new factory in Tadotsu.</p> |
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## First G-series all terrain in SE Asia



Singapore rental company Hiap Heng has taken delivery of a new ATF 110G-5, the first Global series Tadano Faun all terrain in Southeast Asia.

Hiap Heng president Mr Foo See Han (**above, with his new crane**) said that he had decided to buy this model after seeing it at the 2004 Bauma exhibition in Germany and he was delighted to finally be able to take delivery.

"Tadano cranes are easy to maintain and the product support is good," Mr Foo said.

As soon as the new five-axle 110-tonne capacity crane arrived, it was sent straight to work on Jurong Island, a petrochemical hub.

Mr Foo, aged 65, started his career as a heavy equipment mechanic and set up his own rental business in 1980. Today Hiap Heng has 30 employees, including 21 operators, one for each crane. The crane fleet ranges from 20-tonne up to 160-tonne capacity.

Singapore distributor Multico also has an order for a 160-tonne capacity ATF 160G-5 from Hiap Tong, another local rental company.

### Award for Multico

Multico, Tadano's distributor in Singapore for 30 years, has earned an SME 500 Award. Its US\$48 million turnover in 2005 was the second highest of all Singapore's small and medium sized enterprises. The Singapore SME 500 rankings are published by DP Information Group, aided by auditors Ernst & Young Singapore. "These 'corporate gems' are among the most profitable and best managed companies in Singapore and deserve to be recognised for their achievements," said DP Info managing director Ms Chen Yew Nah. Multico managing director Mr HJ Hendra (**right of picture**) received the SME 500 award from national development minister Mr Mah Bow Tan.



## Easter Islanders welcome Moai crane



A special ceremony to mark the donation of a Tadano crane was held on 8 April 2006 was held at Ahu Tongariki in Easter Island, Chile.

Ahu Tongariki, also known as Rapa Nui, was the site of the largest of the Moai statues but was subjected to enormous damage in 1960 when a massive tidal wave generated by an earthquake off the coast of Chile toppled and scattered the statues.

Fifteen of the Moai statues were re-erected in the 1990s using a first rough terrain crane that was donated by Tadano. Now, a 60-tonne capacity TR-600XL rough terrain has been donated for further restoration work.

The hand-over ceremony was attended by more than 30 people, including the 5th State Governor of Chile, Ivande La Maza, the island's Governor, Carolina Hotus Hey, the Chilean Ambassador to Japan, Daniel Carvallo and the Councillor of the Japanese Embassy in Santiago, Mr Imai in addition to senior Tadano staff members led by president Koichi Tadano.

The ceremony began with the national flags of both countries being raised, singing of the Rapa Nui song and rites of purification by a priest. This was followed by the official presentation. Koichi Tadano handed a crane key with a commemorative plate showing Moai statue carvings to the Governor and received a souvenir from the Ruin Preservation Council of Chile. The event was completed by a banquet and a display of traditional Rapa Nui dancing.

The arrival of the crane was enthusiastically greeted by local inhabitants, who cheered "Hurrah, hurrah, Tadano".

The donated crane will work on the second phase of the Moai restoration project including an alter, Te Pito Kura.

Rapa Nui dancing celebrates the gift



Koichi Tadano gives Governor Carolina Hotus Hey a special commemorative key

The crane's arrival on the island



# Distributor focus

*Our partners around the globe*

## Al Hamid: United Arab Emirates

Al Hamid Group distributes a wide range of industrial construction machinery, including Iveco trucks, New Holland earthmoving equipment, Kawasaki loaders and dozers and Mitsubishi forklifts – in addition to Tadano mobile cranes. It has one of the biggest and most modern workshop facility in UAE, with 24 bays.

Al Hamid Group was established in 1982 and has represented Tadano in the Emirates since 1992. Since then, it has secured a significant share of the mobile crane market for Tadano.

The company is owned by H.E.

Sheikh Mohammed Bin Butty Al Hamid, who is chairman. Vice chairman and managing director is

Sheikh Saif Bin Mohammed Bin Butty Al Hamid.

There are showrooms in Abu Dhabi, Al Ain and Dubai and roughly 275 employees .

General manager Joseph Mathias says that Al Hamid has sold more than 500 Tadano cranes since 1992 out of a total of some 2,000 new and used units sold in the UAE in this period. Al Hamid only sells new machines, not used ones.

With the UAE going through a construction boom, demand for cranes is particularly high.

Last year Al Hamid sold nearly 90 cranes – its best ever year – with the TG-500E and TR-500EX models most in demand.

Mr Mathias forecasts that 2006 will be even better. He expects Al Hamid to sell more than 100 cranes this year. Recent deliveries include several all terrains from Germany, ranging from the ATF 45-3 to the ATF 110G-5. Soon to arrive are the first ATF 160G-5 units in the region.

Further growth is widely predicted for 2007 because many new projects have been announced in Abu Dhabi, Mr Mathias says. "Our future seems to be bright," he adds.



Al Hamid's general manager, Joseph Mathias



# Fairs & Events

*Where to meet Tadano around the world*

- ♦ **Crane Rental Association of Canada (CRAC)**  
**31 May - 4 June** Kelowna, B.C., Canada
- ♦ **M&T Expo**  
**6-10 June** Sao Paolo, Brazil  
[www.mtexpo.com.br](http://www.mtexpo.com.br)
- ♦ **Conet 2006**  
**13-16 July** Makuhari, Japan  
[www.conet2006.com/e](http://www.conet2006.com/e)
- ♦ **New Zealand Power Crane Association (PCA)**  
**13-14 July** Rotarua, New Zealand  
[www.pca.org.nz](http://www.pca.org.nz)
- ♦ **Crane Industry Council of Australia (CICA)**  
**7-10 September** Hamilton Island, Qld, Australia  
[www.cica.com.au](http://www.cica.com.au)
- ♦ **Specialized Carriers & Rigging Association (SC&RA)**  
**21-23 September** Atlanta, Georgia, USA  
[www.scranet.org/event](http://www.scranet.org/event)
- ♦ **Bauma China**  
**21-24 November** Shanghai, China  
[www.bauma-china.com](http://www.bauma-china.com)

The endurance, speed and all terrain manoeuvrability of a Tadano Faun crane was represented at the Xterra cross triathlon championship in Hawaii last autumn. For among the leading competitors was Elisabeth Wittmann, coached by her partner and long-serving Tadano Faun team member Hans Albert (pictured together, right).

Just to qualify for the event was an achievement, with a rigorous qualifying process across Europe. A total of 520 triathletes qualified for Hawaii, of which 466 reached the finish line.

Congratulations to Elisabeth, who finished 12th in her age group. We think the ATF 160G-5 Crane of the Year T-shirt was the secret of her success!



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