

## Debut for next generation RTs New 100 & 80 US ton RTs to be at ConExpo

Tadano is launching three new rough terrain cranes for the North American market.

The GR-1000XL-4 and long-boom version GR-1000XLL-4 are both rated at 100 US tons capacity (90.7 metric tonnes); the GR-800XL-4 is rated at 80 US tons (72.6 metric tonnes).

While the GR-1000XL-4 and GR-800XL-4 both have a 154.2 ft (47m) main boom length, the GR-1000XLL-4 reaches out to 167.3 ft (51m).

The GR-1000XLL-4 and GR-800XL-4 be shown at the ConExpo-Con/Agg trade fair in Las Vegas, 10-14 March.

The new models mark a full upgrade of rough terrain cranes in the 75 to 100 US tons lifting class that were launched in 2011.

They are also being launched in other international markets this February.

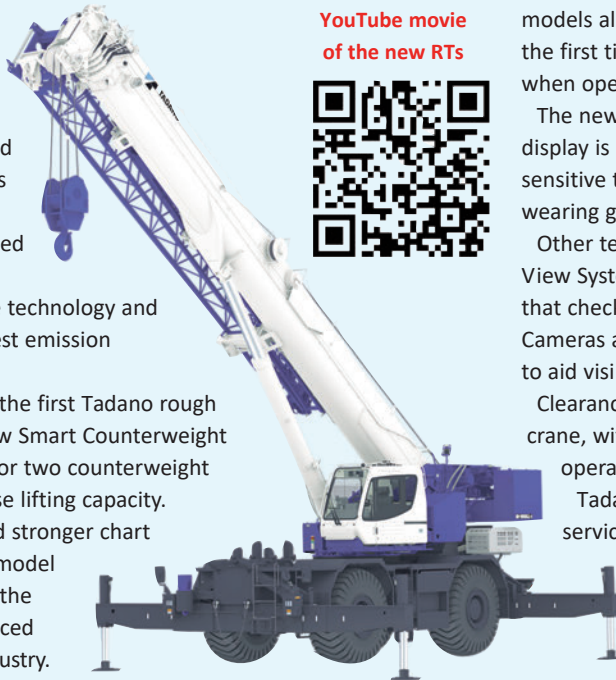
Key features include increased work safety and comfort, improved performance, more technology and an engine that meets the latest emission standards.

The 100 US ton models are the first Tadano rough terrain cranes to have the new Smart Counterweight system that offers the operator two counterweight mounting positions to increase lifting capacity.

GR-800XL-4 has an all-round stronger chart than the previous 75 US ton model (GR-750XL), making it one of the most versatile and well-balanced rough terrain cranes in the industry.



The GR-1000XLL-4 has a 167.3 ft boom



Scan here for YouTube movie of the new RTs



It has a gross vehicle weight of 99,800 pounds (45 tonnes) for easy transportability.

The cabs have been redesigned to give improved visibility and comfort as well as more efficient controls. The instrument panel shape and height, and

the angle of the glass face, have been modified, improving visibility from the driver's seat. The new models also have the 20-degree cab tilt function for the first time, which helps to reduce operator fatigue when operating for long periods.

The new large, multi-function color touch panel display is 10.4 inches across. As it is a pressure-sensitive touch panel, it can be operated while wearing gloves.

Other technology on board includes the Tadano View System and a winch drum monitoring camera that checks the winding state of the wire rope. Cameras are on the right-front and rear of the crane to aid visibility while driving.

Clearance Sonar detects obstacles close behind the crane, with a buzzer and flashing icon to notify the operator if an obstacle is detected.

Tadano's HELLO-NET telematics information service and HELLO-DATA LINK smartphone app are also included as standard.

The new GRs have six-speed transmission powered by a dual compliant Cummins EPA Tier IV B 6.7 / EU Stage V engine generating 280 hp (209kw).

The newly developed pump disconnect function automatically stops operation of the crane's hydraulic pump if the crane is not operated for a specified time. This function contributes to a reduction in fuel consumption.

The new cranes are also all equipped with a Fuel Monitoring System, Eco-Mode, and Positive Control that contribute to reducing emissions, improving fuel consumption and reducing noise.

Specifications	GR-1000XLL-4	GR-1000XL-4	GR-800XL-4
<b>Max Capacity</b>	100 US tons (90.7 metric)	100 US tons (90.7 metric)	80 US tons (72.6 metric)
<b>Boom Length</b>			
min	42.0 ft (12.8 m)	39.4 ft (12 m)	39.4 ft (12 m)
max	167.3 ft (51 m)	154.2 ft (47 m)	154.2 ft (47 m)
<b>Jib length</b>	33.2/58.1 ft (10.1/17.7 m)	33.2/58.1 ft (10.1/17.7 m)	33.2/58.1 ft (10.1/17.7 m)
<b>Max Lifting Height</b>			
Boom	166.0 ft (50.6 m)	154.5ft (47.1 m)	154.5ft (47.1 m)
Jib	224.1 ft (68.3 m)	211.3ft (64.4 m)	211.3 ft (64.4 m)
<b>Max Load Radius</b>			
Boom	155.0 ft (47.2 m)	145.0 ft (44.2 m)	145.0ft (44.2 m)
Jib	190.0 ft (57.9 m)	180.0 ft (54.6 m)	160.0 ft (48.8 m)

# Boom Booster adds extra juice

There are not many lifts that the Demag CC 8800-1 with its standard configuration and 1600-tonne rated capacity.

Very occasionally, though, a little extra power is needed. Lifting a 100m-long, 510-tonne C3 splitter tower at the Singapore Refinery Company propylene manufacturing plant was one such job. So crane service provider Tiong Woon configured its CC 8800-1 with a Boom Booster, enabling the crane to carry out the lift with a Demag CC 2800-1.

First a test lift had to be conducted offsite, as per local codes, to prove the method. Then the crane was disassembled and trucked to the Merlimau Road work site, where it was reassembled for the job.

Setting up the crane with its seven-part Boom Booster kit took the team of six assembly technicians, six signallers and two supervisors a total of five days – that is only one day more than the standard configuration would have taken.

“To speed up the process, one part of the team took care of assembling the base crane, while the other part took care of setting up the Boom Booster,” reports Tiong Woon’s Deputy CEO Michael Ang.

For the CC 8800-1 primary crane with the Boom Booster kit, Tiong Woon chose a BSFVL configuration with 102m of main boom plus 12m of fly jib, mounted at an angle of 14°. Ballast came from 400 tonnes of Superlift counterweight. The CC 2800-1 assist crane was in SSL configuration with 42m of main boom and 100 tonnes of Superlift counterweight.

Once set up, the two Demags were ready to lift the splitter tower. The biggest challenge was to bring the massive steel structure from a horizontal position to a vertical position on the Demag CC 8800-1’s hook in a controlled manner by using a tailing operation. To do this, the CC 2800-1 first picked up the splitter column from its end in order to then lift it 500mm. As the CC 8800-1 lifted the other end, the CC 2800-1 crawled forward until the splitter column was hanging from the CC 8800-1’s hook and the assist crane was no longer under load. After the team released the CC 2800-1’s slinging gear, the CC 8800-1 brought the splitter column to the required position to set it down exactly at the intended point.

“Tandem lifts are already complex operations in and of themselves, but when you add a heavy load with this type of dimensions, things get even trickier,” says Michael Ang.



Right: The leaders of Tadano and Italthai celebrate

Below: The CC 8800-1 with Boom Booster enhancement

# Tadano strengthens Italthai partnership



After 30 years of cooperation and nearly three years in joint venture, Tadano and Italthai have further cemented their relationship.

The Japanese-Thai joint venture Tadano Italthai Ltd was formed in 2017 to sell Tadano truck loader cranes in Thailand and Laos.

Now the remit of the JV is being widened to all Tadano crane types.

The goal is to become market leader in Thailand’s lifting equipment amid burgeoning demand from the construction industry.

Mr. Koichi Tadano, President and CEO of Tadano Ltd., said that he was encouraged to grow the JV because of its success to date, local market growth and the Thai government’s ambitious infrastructure plans.

More than 40 megaprojects are planned in Thailand, including high-speed railways to link three airports, road construction and further expansion of Laem Chabang and Map Ta Phut deep-sea ports. This is expected to help drive demand for more cranes of all types.

Tadano Italthai offers 24-hour after-sales service through 14 Italthai centers across Thailand and Laos.





Baetsen Kraanverhuur's AC 55-3

## City crane for Breithaupt & Philipp

German lifting and transport company Breithaupt & Philipp has had a Demag AC 30 and two Demag AC 40 cranes for years, and has now decided to add an AC 45 City to its operations as well.

"We've always been tremendously happy with the performance of our three Demag cranes, so deciding on the new AC 45 City wasn't particularly hard," say General Managers Uwe Podlech and Jens Napierala, who picked up the crane from the Demag factory in Zweibrücken.

Appealing features of the AC 45 City include the IC-1 Plus control system as well as the compact design and resulting maneuverability. Moreover, the City crane can telescope while under load.

"We'll be using the AC 45 City primarily to install and remove prefab concrete elements such as stairs, as well as to install elevators in buildings. When it's not possible to remove the roof in these cases, the ability to telescope under load is absolutely indispensable," Uwe Podlech explains.

## The AC 55-3: 'As versatile as it gets'

Marc Peperkamp, the General Manager of Dutch company Baetsen Kraanverhuur, is clear about one thing: as far as he is concerned, the Demag brand represents innovative solutions and uncompromising engineering progress.

These factors were two of many that influenced his decision to buy a Demag AC 55-3 when he was looking for a new three-axle unit for his caren hire business.

The vehicle was handed over to him by Tadano Demag Sales Manager Marc Dirkse.

"The Demag AC 55-3 is as versatile as it gets for us, and a huge part of that is due to its 50-meter-long main boom, which is the longest in its same class," he says.

"On top of this, a fully-equipped AC 55-3 will still remain under the 12-tonne axle load limit for road traffic," he adds.



Below, left to right: Ulrich Wagner (Tadano Demag Sales Manager), Karsten Eberhardt (Breithaupt & Philipp crane operator), Uwe Podlech (Breithaupt & Philipp General Manager) and Jens Napierala (Breithaupt & Philipp General Manager)



## AC 250-5 arrives in Abu Dhabi

Abu Dhabi-based crane service provider Delta Gulf has added its first Demag AC 250-5.

Delta Gulf CEO Ayman Mousa Almalikh mentions the crane's large lifting capacities and its compact design as crucial factors that influenced the purchasing decision.

The 250-tonne all terrain crane's manoeuvrability is extraordinarily

advantageous for projects in the oil fields of Abu Dhabi.

"Demag is not only known for being one of the world's most long-standing crane manufacturers, but also for the high quality of its products," he says.

"And since quality is one of the most important key factors when renting cranes, the AC 250-5 is a perfect match for our fleet," he says.

Left: Delta Gulf Group Chief Executive Ayman Mousa Almalikh takes delivery of the new crane from Tadano Demag Sales Manager Sahil Shaikh

# Tower crane leader shows off its ATF 220G-5

**BBL, one of Germany's Top 10 tower crane hire companies, has bought a new Tadano ATF 220G-5 to support its core operations.**

The 68-metre lifting height (108 metres with jib) was certainly one reason for choosing this model – perfect for erecting and dismantling tower cranes. But several years of perfect experience with Tadano was another.

This BBL's fourth Tadano all terrain crane. "The experience we have had with Tadano has been entirely positive from the moment we first started working together," says managing director Ralf Britz. "The service has been nothing short of perfect. If ever there has been a problem, we have been able to resolve it in no time over the phone. To this day, not a single crane has broken down, and that's saying something, given we have been working together for nine years now."

The ATF 220G-5 will be used to set up the Wotan tower cranes that are developed in-house by BBL, manufactured in Germany and used across the whole country. The Tadano crane will be in operation for 180,000 km and 5,000 crane operating hours, which equates to an average of the years before it will be replaced – just like its predecessor.

Ralf Britz founded BBL in 1989 in the Saarland region and now has 150 employees, 300 tower cranes, 280 construction machines and 130 lorries.

To celebrate the company's 30th anniversary in September 2019, 450 guests were invited to its headquarters in Friedrichsthal.

The guests were able to admire the full length of the boom of the brand new Tadano crane, as it extended to raise an engineered viewing platform to provide visitors with a bird's eye view of all of BBL's facilities.

**Below: BBL's fourth ATF 220G-5 with, from left to right, head of tower crane sales Jürgen Weyland, lorry driver and crane operator Jochen Schmitt and crane operator Peter Reinhardt, all from BBL, with Tadano area sales manager Frank Brachtendorf**

**Left: Panoramic views from 90 metres high**



## Dual engine concept just right for pre-cast contractor

**German pre-cast construction specialist FTO Fertigteilwerk Obermain has been running Tadano cranes since 2007 and has recently added an ATF 220G-5 to its ATF 110G-5 and ATF 180G-5.**

"On the basis of fuel costs alone, the ATF 220G-5 is extremely appealing for us. Our projects involve long-term, continuous use of the crane, usually for around six weeks at a time," project manager Thomas Tungal explains.

"These projects are where the dual-engine concept really pays dividends over a single engine. On site we almost exclusively use the superstructure engine, which means that instead of using eight to nine litres of fuel, we only use three to four."

The versatility of the ATF 220G-5 is also perfect for FTO. The reach and strength of the main boom means reassembling and setting up again between lifts is hardly ever needed. The benefits of this were demonstrated on the crane's first job last October, placing 35-tonne concrete beams for a factory roof.

Then there is the famous Tadano reliability: "Once the work has started at the construction site, I hear no more about it," Thomas Tungal says.

"That's what it's like with the 110 and the 180.



**From left to right are Tadano area sales manager Hans Asam with FTO team Thomas Tungal, Matthias Morck, Jochen Weidner and Karl-Heinz Oetter**

Almost nothing ever happens with those two, and I look forward to continuing this tradition with the 220," he says.

"If we do need anything else, the service at Tadano is just as reliable and flexible as the crane. They pop over to see us, or we sometimes go to them; it's only 100km. Tadano and FTO are basically neighbours."

# Test of strength at high altitude



When Kran Saller was tasked with helping to erect a cable car pylon in the Austrian Alps, the ATF 200G-5 was its crane of choice.

First it had to get to the site at the top of the Kaunertal Glacier, at 2,750 metres altitude.

“It was a colossal task for the carrier chassis, contending with inclines of up to 12% and more. The whole thing was essentially like climbing a mountain, particularly the twists and turns that made up the final 10km,” says crane operator Lieven Van Hee.

“Fortunately this was not a problem for the 200-tonner, and we actually managed incredibly well. The flexible counterweight of 12 tonnes in this case meant we could afford to be pretty light on equipment – just the crane itself and a single truck. This was all we needed for the crane counterweight and base plates, and it also saved us transportation costs. But the minimal equipment didn’t stop us benefiting from fantastic lifting capacities.”

Lieven Van Hee spent a month working on erecting the 60m-high pylon. The load comprised around 150 steel components, including two bars for electronics weighing 12.5 tonnes each. It was tough work.

“The wind really knows how to blow up here,” he says. “In fact, it caused us to stop working several times. There were two days when we couldn’t do anything at all, and other days when we had to contend with snowfall and frost. Fortunately, the 200-tonner boasts a super comfortable superstructure cab with a state-of-the-art multifunction touch-screen display and cameras. It’s such a huge help to know I can rely on these with every lift.”



The ATF 200G-5 on top of the Kaunertal Glacier in the Tyrol



## First 400-tonner in Brazil

With recovery starting to appear in end-user industries, 2019 proved to be a very positive year for Tadano in Brazil.

The markets in which the company operates, such as mining, steel, pulp and paper, industrial assembly, engineering, oil & gas and crane rental, have all begun to recover somewhat after long years of recession.

Tadano Brazil, which maintained close relations with customers and consistent after-sales service throughout the hard times, has now delivered its first 400-tonne ATF 400G-6 all terrain crane.

The buyer is Real Guindastes, a leading rental company for the mining and steel industries in the state of Minas Gerais, which have high demands for their industrial maintenance.

The handover of the crane last September involved technical briefings and training from Tadano professionals from Brazil, Germany and Japan.



Handing over the ATF 400G-6 to Real Guindastes

# ConExpo 2020

*Stronger Together*

ConExpo-Con/Agg 2020 is the biggest construction machinery trade fair since Tadano and Demag came together.

The Tadano booth, therefore, will be bigger than ever with an even wider variety of cranes on display – from Tadano in Japan, from Tadano Faun and Tadano Demag in Germany and from Tadano Mantis in the USA.

The theme of the Tadano display is **Stronger Together**.

ConExpo-Con/Agg is held once every three years in Las Vegas USA. The next event is 10-14 March 2020.

Tadano plans to display 15 cranes of different types, including two of the new rough terrain models shown on page one, and three newly improved telescopic boom crawler cranes.

Inside the booth will be an Innovation Area, similar to that at Bauma 2019. However, at ConExpo it will showcase not just the latest Tadano technology but also that of Tadano Demag.



## Tadano's full line-up at ConExpo 2020 is:

**Tadano GR rough terrain cranes:**

GR-1600XL, GR-1000XLL-4, GR-800XL-4 and GR-150XL-3

**Tadano Faun ATF all terrain cranes:**

ATF 220G-5, ATF-120-5.1 and ATF-100-4.1

**Tadano Demag AC all terrain cranes:**

AC 300-6, AC 220-5, AC 100-4L and AC 45 City

**Tadano Demag CC lattice boom crawler crane:**

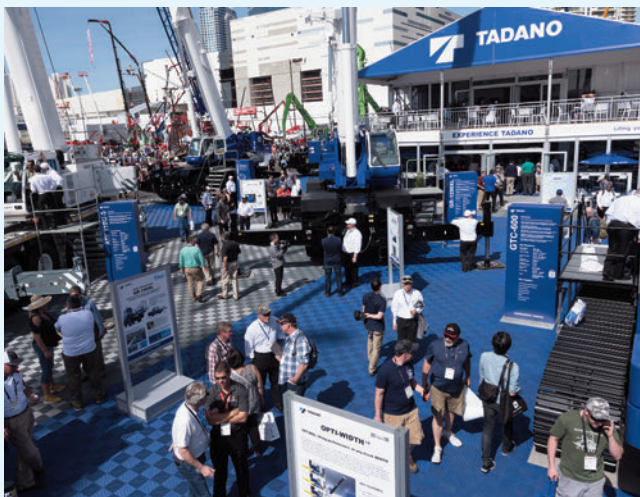
CC 3800-1

**Tadano Mantis GTC telescopic boom crawler cranes:**

GTC-1600, GTC-900 and GTC-550

Tadano's main booth is located at F8004 in the Festival Grounds, with a second booth close by at F7556. We welcome all visitors to come and get a close look at the cranes and meet the team.

**Below: Tadano's booth at the last ConExpo in 2017**



# Fairs & Events

*Where to meet Tadano around the world*

- ◆ **CONEXPO-CON/AGG**  
**10-14 March 2020** Las Vegas, Nevada, USA  
[www.conexpoconagg.com](http://www.conexpoconagg.com)
- ◆ **Specialized Carriers & Rigging Association (SC&RA) Annual Conference**  
**14-18 April 2020** Amelia Island, Florida, USA  
[www.scranet.org](http://www.scranet.org)
- ◆ **Vertikal Days**  
**13-14 May 2020** Donnington Park, UK  
[vertikaldays.net](http://vertikaldays.net)
- ◆ **bauma CTT RUSSIA**  
**26-29 May 2020** Moscow, Russia  
[bauma-ctt.ru](http://bauma-ctt.ru)
- ◆ **Specialized Carriers & Rigging Association (SC&RA) Crane & Rigging Workshop**  
**16-18 September** Dallas, Texas, USA  
[www.scranet.org](http://www.scranet.org)
- ◆ **Crane Industry Council of Australia (CICA)**  
**21-23 October 2020** Perth, Australia  
[conference.cica.com.au](http://conference.cica.com.au)
- ◆ **bauma CONEXPO INDIA**  
**3-6 November 2020** New Delhi, India  
[www.bcindia.com](http://www.bcindia.com)

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