

## PRESS RELEASE

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### **Mastering city site challenges – Five WOLFF cranes at the Donaumarina residential complex**

*Vienna – October 2020.* **Cranes have been a fixture of the Viennese skyline for many years. In 2020 alone, around 19,000 new apartments are scheduled for completion in the Austrian capital. The “[Donaumarina](#)” residential complex, comprising 5 buildings, will feature 400 new rental units plus common areas and underground parking. Handler Bau GmbH, under contract from BAI Bauträger Austria Immobilien GmbH, is using five WOLFF cranes for the job on the banks of the Danube in the Leopoldstadt district.**

A WOLFF 6031.8 Clear, a 6020.8 Clear, a 6015.8 Clear and two 5520.6 Cross cranes have been in operation on the Donaumarina site since the end of last year, primarily for concreting work and hoisting of prefabricated parts. The highest crane, a freestanding WOLFF 6031.8 with hook height of 82.5 meters was erected on foundation anchors using a 350-meter mobile crane. Its load capacity of 8.5 tonnes and lifting speed of up to 115 m/min allowed the remaining crane ensemble to consist of smaller WOLFF cranes with lower tower heights.

### **No overslewing, please!**

Assembling the five WOLFF cranes was logistically tricky, as access to the construction site was limited by a main traffic artery, a neighboring construction site and a nearby community garden.

On top of that, the location of the site presented numerous other challenges for the crane concept from the get-go. The experience and competence of WOLFFKRAN’s technical consultants proved to be particularly valuable with regard to regulations prohibiting the overslewing of an adjacent above-ground metro line and a highly secured Jewish nursing home.

### **Nothing left to chance**

“On the north side, there is another construction site with three tower cranes, two of whose jibs slew over our site,” explains Martin Rothaler, Sales Executive at WOLFFKRAN Austria. During the site inspection, Rothaler and his team therefore not only evaluated the condition of the job site but also included the crane concept of the neighboring site in their planning. “Since we noticed discrepancies in the stated hook heights, these had to be clarified with the

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neighboring team in order for the two crane fleets to work side-by-side seamlessly,” says Rothaler.

“As usual, the construction schedule was very tight. We only had about four weeks between our inquiry to WOLFFKRAN and the assembly of the cranes,” explains Construction Supervisor Andreas Urbauer of Handler Bau GmbH. “In spite of that, WOLFFKRAN delivered a concept that is not only efficient and economical, but also thought through to the smallest detail. We really appreciate that kind of precision,” says Urbauer.

Handler and WOLFFKRAN Austria not only share red as their company color but also many years of successful collaboration. Currently the two companies are working together on the [“Wohnquartier Mühlbach Ost”](#) in St. Pölten. Past projects include the [“HoHo Wien”](#), a striking wooden high-rise in the lakeside Seestadt Aspern complex.

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WOLFF	Crane base	Jib radius, m	Hook height, m	max. load capacity, t	BGL Group (tm)
6031.8 Clear	Foundation anchor FUA 160	45.0	82.5	8.5	224
6020.8 Clear	Foundation anchor FUA 120	30.0	55.5	8.5	140
6015.8 Clear	Foundation anchor FUA 120	31.0	51.0	8.5	140
5520.6 Cross	Foundation anchor FUA 120	35.0	40.25	6.0	125
5520.6 Cross	Foundation anchor FUA 140	35.0	58.25	6.0	125

WOLFFKRAN is a leading manufacturer of premium quality tower cranes with a tradition spanning over 150 years. With its own rental fleet of some 700 tower cranes it is also one of the largest crane rental businesses in the world. WOLFFKRAN is headquartered in Zug, Switzerland and has manufacturing sites in Heilbronn and Luckau, Germany, and Likhovitsy, Russia. It currently employs a global workforce of approx. 800 people in its three manufacturing sites and its sales and service subsidiaries located across Western and Central Europe, the Middle East and the United States.

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Picture source: Peter Landsmann (Please specify if used.)



Crane to crane: the cranes from the neighboring Marina Tower construction site protrude into the Donaumarina residential complex and thus had to be taken into consideration in the planning process for the crane concept.



Left to right: Martin Rothaler, Account Sales Manager at WOLFFKRAN Austria, Zeljko Tenjovic, CEO of WOLFFKRAN Austria, Anja Qorraj, Engineer, Andreas Urbauer, Construction Supervisor (both of Handler Bau)

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Neither the above-ground metro tracks nor a nearby nursing home allowed over-swing. A community garden (right) limited vehicle access to the construction site. This required much advance planning and expertise.



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