­NEWS RELEASE

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**Potain MD 365 and MD 208 construct Italy’s first zero-energy skyscraper, the GIOIA 22 “Shard of Glass”**

* *A Potain MD 365 B L16 and MD 208 A are together constructing the 120 m GIOIA 22 “Shard of Glass” tower, UBI Banca’s new zero-energy headquarters in Porta Nuova, Milan.*
* *Contractor Colombo Costruzioni collaborated with Manitowoc Lift Solutions to carefully position the cranes on the jobsite, leaving space for them to overlap and be easily disassembled afterwards to meet developer COIMA SRG’s deadlines.*
* *Anchors, each consisting of an 18 m beam and weighing 3 t, will enable the 16 t capacity MD 365 B L16 and 10 t capacity MD 208 A to reach maximum heights of 136 m and 151 m, respectively.*

Contractor Colombo Costruzioni, working on behalf of Italy’s leading real estate investment, development and management company COIMA SRG, has deployed two Potain top-slewing tower cranes – an [MD 365 B L16](https://www.manitowoc.com/potain/top-slewing-cranes/md-365-b-l16) and an [MD 208 A](https://www.manitowoc.com/potain/top-slewing-cranes/md-208) – for the construction of UBI Banca’s new headquarters, the GIOIA 22 skyscraper in the Porta Nuova district of Milan.

Nicknamed *Scheggia di Vetro* or “Shard of Glass,” the 120 m building has been designed by Pelli Clarke Pelli Architects as the first skyscraper in Italy to meet nearly zero-energy building (NZEB) standards. Sustainable building practices will be employed throughout, and upon completion, its exterior will be covered in more than 6,000 m2 of solar panels, generating enough power for the equivalent of 306 homes.

Engineer Matteo Pastore from Manitowoc Crane Care Lift Solutions Southern Europe has invested a lot of time in the development on the jobsite, in particular the placement of the cranes.

“Planning takes place in plan view and vertical view. In plan view, it’s necessary to avoid interference between the cranes and provide, in addition to the assembly, the disassembly phases for the cranes to return to ground level with the tower built in front of them,” he explained.

“In the vertical view study, the cranes must rise together with the building by anchoring on it – and to do that, it is necessary to design the right number of anchors, avoiding interference with the rampant formworks,” he continued.

The 16 t capacity MD 365 B L16 will reach a maximum height of 136 m and has been fixed with two anchors. The 10 t capacity MD 208 A will reach a maximum height of 151 m and uses three anchors. Each anchor consists of an 18 m beam and weighs 3 t.

Stefano Crespi, project manager at Colombo Costruzioni, said, “Thanks to the excellent engineering support and technical services provided by Manitowoc, we have been able to respect and meet all the deadlines set by COIMA.”

The project is due for completion in March 2021.

**Transforming Milan’s skyline**

Colombo Costruzioni previously used the MD 365 B L16 on Allianz’s Italian headquarters, the Isozaki Tower, also known as *Il Dritto or* “The Straight One” in Milan’s CityLife district, and the MD 208 A on the Unicredit Tower, which is also in Porta Nuova.

“Potain’s collaboration with Colombo Costruzioni goes back a long time, and the new Milanese skyline now counts a lot of towers realized by Colombo Costruzioni using Potain cranes,” said Sabino Riefoli, export sales & key account manager at Manitowoc Crane Group Italy. “On its many important projects, Colombo Costruzioni has always relied on Manitowoc, not just for cranes but for solving technical and organizational issues, finding better lift solutions, optimizing the placement of the cranes, and the development of jobsites phase by phase.”

Gianluigi Consolaro, Crane Care manager for Manitowoc Crane Group Italy, added, “Thanks to Colombo Costruzioni, our Potain cranes are well known all around the country, with the Potain name connected to major projects such as the Allianz Tower, the Unicredit Tower and now the GIOIA 22 “Shard of Glass.”

Visit the Manitowoc website to learn more about the [Potain MD 365](https://www.manitowoc.com/potain/top-slewing-cranes/md-365-b-l16) and the [MD 208](https://www.manitowoc.com/potain/top-slewing-cranes/md-208).

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Group photo caption: Gianluigi Consolaro, Crane Crane manager at Manitowoc Crane Group Italy; Stefano Crespi, project manager at Colombo Costruzioni; Gianluca Arconi, jobsite coordinator at Colombo Costruzioni; Sabino Riefoli, export sales & key Account manager at Manitowoc Crane Group Italy; and Matteo Pastore from Crane Crane Lift Solutions Southern Europe at Manitowoc Crane Group.

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