

**LEFT.**

A rendering of the tower designed by Daniel Libeskind.

**RIGHT.**

A sketch of the Tower by Libeskind.



# PWC TOWER AT CITYLIFE

ALL 31 FLOORS OF THE TOWER ARE SCHEDULED TO BE COMPLETED IN DECEMBER. ALLIANZ TOWER WAS OFFICIALLY INAUGURATED ON 13<sup>TH</sup> JUNE. THE TWO STRUCTURES WERE BUILT BY COLOMBO COSTRUZIONI

Following the Allianz Tower by Arata Isozaki (described in *Realtà Mapei International* no. 52) and the Generali Tower by Zaha Hadid, it is now Daniel Libeskind's turn, with his tower being rented out for 18 years to the accountancy and consultancy firm PricewaterhouseCoopers (PwC).

In July, the tower will be up to the sixteenth floor and, by Christmas, up to the thirty first floor, with the company's 3,500 employees scheduled to relocate in 2020. The PwC Tower is situated at the centre of the CityLife district, one of the most important urban regeneration projects in Europe (366,000 m<sup>2</sup>), a mixture of residential, office and commercial spaces.

The concrete for the foundations was poured in 2015, while the actual construction work got under way in the spring of 2016. The skyscraper is characterised by its curved form and, once completed, it will have 33,000 m<sup>2</sup> gross floor space and will be 175 m tall, becoming the third tallest skyscraper in Milan after the nearby Allianz Tower (242 m and 50 storeys) and the Unicredit Tower (231 m).

Mapei had already taken part in the construction of the Allianz Tower in 2012-2015 (see *Realtà Mapei International* no. 58) and became the first European company to patent a new

family of acrylic super-plasticisers, enabling the ready-mixed concrete and pre-cast concrete industries to produce highly plastic concrete with a very low water/cement ratio. This is an indispensable characteristic for complex architectural projects that require longer workability times, so that concrete can be poured, including in warm climates, without having to add more water. Working alongside the manufacturer of the concrete, the most suitable acrylic super-plasticisers for the concrete for the PwC tower were singled out: DYNAMON XTEND W300 N, used to disperse cement particles, so that the amount of water required for mixing is considerably reduced, and DYNAMON SP 1, which is used to make precast concrete characterised by its low water/cement ratio and very high initial and final mechanical resistance.

**TECHNICAL DATA**

**Client:** CityLife SpA

**Design:** Daniel Libeskind

**General contractor:** Colombo Costruzioni SpA, CMB

**Concrete supplier:** Holcim Italia

**Mapei coordinators:** Pietro Lattarulo, Andrea Siboni, Stefano Citton, Massimo Seregini, Mapei SpA (Italy)