

CASE STUDY

20 years of safe vertical access at Duomo di Milano

Alimak built on a 20 year history of delivering custom vertical access solutions for Duomo di Milano to significantly reduce the time cost associated with accessing the construction site on the roof of the structure.

Milan Cathedral is the fifth largest church in the world and has a history going back centuries. The Veneranda Fabbrica del Duomo di Milano is the institution responsible for the conservation and development of the Cathedral. Established in 1387 by Gian Galeazzo Visconti, it has been safeguarding and restoring the Duomo for more than 630 years. The Candoglia marble used in the Cathedral requires continuous maintenance work in order to not collapse. It is a very long and ongoing regular maintenance, refurbishment and developing project. There is no set completion date for the works on the landmark.

Over the last 20 years, Alimak has been chosen as the main supplier of vertical access solutions to Veneranda Fabbrica del Duomo di Milano due to the brand's worldwide reputation for safety and quality. Alimak's scope of work includes the supply of temporary vertical access equipment, installation and a maintenance contract for the vertical access equipment on site.

Just six months after commissioning the project in July 2018, Alimak dismantled a transport platform to allow the installation of an Alimak Scando 450 construction hoist in January 2019. Sought directly by the customer for their industry-leading vertical access solutions, Alimak was trusted to design, install and maintain a construction hoist that guaranteed rapid and reliable access to the top of the cathedral for maintenance.

The Alimak construction hoist that was selected features a 56 metre lifting height and speeds of up



Duomo di Milano, Milan, Italy

to 42m/minute reducing the time taken to access the roof of the cathedral from 5 minutes to just 90 seconds, making it four times faster than the previous transport platform. Overall, the new construction hoist significantly reduces the time cost associated with accessing the construction site on the roof of the cathedral.

The hoist was also equipped with several special adaptations to accommodate the architecture including a 2.2 metre cabin designed to utilise the limited space available on-site. The hoist was also painted light ivory to blend in with the monument for minimum visual impact as the site is visited by two million tourists each year.

ELEVATOR DETAILS

Location:	Duomo di Milano, Milan, Italy
Applications:	Cathedral
Hoist type:	Construction hoist
Hoist model:	Alimak Scando 450 12/22FC
Capacity:	2,000 kg
Lifting height:	56 m

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