EIFFEL TOWER, PARIS, FRANCE

CASE STUDY

Alimak drove efficiency throughout the renovation of the Eiffel Tower

Owing to a reputation for delivering industry-leading vertical access solutions based on a wealth of expertise and experience, Alimak has had the distinct privilege of providing vertical access solutions for some of the world's most recognisable landmarks.

Since 1983, Alimak has engineered practical vertical access solutions for the Eiffel Tower to drive efficiency on a number of renovation and maintenance projects. In 1990, Alimak facilitated key renovation work on the tower through the provision of a reliable vertical access solution. Two Alimak Scando cages, one for passengers and the other for materials, with capacities of 1,800 kgs and 2,000 kgs respectively, provided access as the infrastructure of the tower underwent maintenance to prolong the life of the monument. After one year of operations on the first floor of the tower, the elevators were dismantled and re-installed on the second floor for more extensive work on the tower's own elevator system.

Most recently, Alimak was called upon to supply a vertical access solution for renovation work on a restaurant on the first floor of the landmark, located 60 metres above the ground. Due to the fact that the renovation was taking place in an occupied environment, an access solution was required that did not use the elevators that are integrated into the structure of the Eiffel Tower. Alimak was chosen to take on the challenge having supplied the most seamless and practical vertical access solution.

One obstacle encountered during the renovation project was that the vertical access solution was required to transport passengers and materials to elevated points on the tower whilst working within the parameters of its unique form and without intermediate anchoring. Alimak delivered a solution that utilised an Alimak Scando 650 construction hoist which climbed a 60 metre triple mast at speeds of up to 54 metres per minute. This impressive height was achieved with a combination of 3 Alimak mast towers with only one tie required at the top. Featuring a 4 x 1.5 metre cabin with a 2,500 kg payload capacity, the Alimak construction hoist offered a practical solution for the transportation of bulky materials to the elevated restaurant site.

Eiffel Tower, Paris, France

HOIST DETAILS

Location:	Eiffel Tower, Paris, France
Application:	Renovation
Hoist type:	Alimak Scando 650, triple mast
Capacity:	2,500 kg
Hoist car size:	1.50 m x 4.0 x 2.0 m
Speed:	54 m/min.
Lifting height:	60 m

www.alimak.com

ALIMAK

1700 EN/January 2021