

Another Sky Climber Reference!

Tour Eiffel, Paris, FRANCE



DIVISION: Sky Climber Europe

PROJECT NAME: Tour Eiffel

APPLICATION: Lift Rail Replacement, PART 1 Platform and hoist

The iconic Eiffel Tower in Paris is undergoing a major renovation program. As part of that renovation the passenger lifts in the North and South Towers will be replaced to meet modern safety standards. The lifts were installed in the 1960s and the lift guide-rails also date from that era.

As part of the lift renovation, the guide-rails are also being changed and the replacement of these guide-rails poses several challenges:

- There is a pair of rolling-rails add a pair of guide-rails and all four rails need to be replaced.
- The rails are inclined and the slope of the rails changes along the course of the vertical path of the lift car.
- There is an above average variation in the track gauge due to the age of the construction.

Sky Climber was selected to provide an access solution that would allow Eiffage to carry out the works in the very tight time schedule that was allotted for the lift refurbishment.

The Sky Climber system consists of a double deck platform to allow two teams to work simultaneously to handle the 6m long rail sections. The system is designed to carry 5 persons and has anchor points for two 300kg material lifting winches to lift up the rails.

To carry the very heavy load, the platform is fitted with five 1000kg Alpha hoists.

Vertical Run	110m
Type of cradle	Double deck platform
Rated Load	5 persons + material hoist 300kg
Self-weight	2300kg
Type of hoist	5 x Alpha 1000kg with load cells
Norms	Machine Directive and EN1808