

SUCCESS STORY

STATIC SUPPORT

Djamaâ El Djazaïr, Great Mosque of Algiers

PROJECT DATA

Brief description

In the bay of Algiers a new mosque complex of a particular architectural and cultural magnitude is being created. At 265 m, the minaret will be the highest in the world. The completion of the mosque complex is planned for 2019.

Requirement

To take up huge movements of up to +/- 75 cm

City, year

Algiers, 2015-2019

PROJECT DESCRIPTION

In addition to businesses, the various wings in the building also house a Koranic school, university, cultural centre, museum and much more. A three-level underground garage for 4,000 cars is located under the esplanade. At 265 m, the minaret will be the highest in the world.

SOLUTION

This impressive building imposes highly demanding requirements on its structural components. The Calenberg Ciparall® sliding bearings installed need to accommodate long glide paths up to 75 cm long. The very low coefficients of friction ensure that the incorporated structural components slide virtually free of any friction. In turn, this reduces the shear stress on the sub-structure, allowing an inexpensive, filigree edifice to be built.

The benefits:

- Taking up huge movements, rotations and centrally load concentration at the same time
- Low friction values
- No maintenance or bearing change necessary



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