

# CASE STUDY



<b>Application</b>	Outdoor
<b>Building type</b>	Commercial
<b>Architect</b>	C2A Architectes
<b>Product</b>	TESS™ 512
<b>Location</b>	Paris, France
<b>Project team</b>	Dubos Verger
<b>Main Contractor</b>	Elior Restauration

## ABOUT MONTPARNASSE TOWER

### Terrace shading for extreme conditions

At a vast 210m, the Montparnasse Tower maintained its status as France's tallest skyscraper for almost 40 years, from 1973 when it was completed, until 2011 when it was finally surpassed by the 231m Tour First. Currently the European Union's 14<sup>th</sup> tallest building, it offers views that extend 40km across Paris from its viewing terrace on the top floor.

Solar shading was required on this terrace for high profile events such as presidential state visits and high level commercial meetings. Design challenges included high wind speeds and a requirement for no columns to be installed, in order to preserve the exceptional 360 degree views.

Guthrie Douglas TESS™ 512 systems were installed by Dubos Verger to span the full 16m width of the southernmost area of the terrace, suspended on steel support cables, providing a vast, column-free, floating canopy. Steel rods were incorporated within the fabric panels to meet the wind resistance requirements, and wind sensors applied to automatically retract the shades in extreme conditions.

The result is a spectacular outdoor space, protected from the elements, which is regularly used and enjoyed all year round.