


Canopy at Courtyard

Amsterdam, The Netherlands

In cooperation with Frijters Architecten Rotterdam, Tentech has designed a freestanding canopy on the courtyard of an Office building in Amsterdam. The canopy was designed and realized within the very short time span of 2.5 months. An existing flower box, measuring 7x7m, was transformed into a lounge area with seating's positioned on the concrete walls of the flower box, covered by a canopy. Important design parameter was the total weight, it should be enough weight to resist uplift and it should not be more than the former weight of the flower box. The amorphous, freeform canopy forms a striking contrast to the orthogonal stone grid of the courtyard.

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Name of the project	Canopy at Courtyard Amsterdam
Year of construction:	2011
Architect:	Tentech in cooperation with Frijters Architecten
Structural Engineer & membrane consultancy:	Tentech
Contractor:	Buitink Technology
Steel:	Galvanized and powder coated
Fabric detailing:	Stainless steel
Membrane:	Ferrari 1002
Covered area:	105m ²



Shading for the Synergia square

Ruta, Montevideo, Uruguay

An interesting shading project for recreational outdoor places was realised for the business area at Ruta. The shading optimises the use of the outdoor relax and lunch area. A range of metal structures composed of arches like a tree branches out from the centre support the membranes. The membranes have a shape of hyperbolic paraboloid stretched by 6 points. The prestressing was achieved by stretching each vertex of the membrane (Ferrari 1002 S - Type II). The metal structures were in parts fabricated in the workshop and with bolts assembled on the site. The membranes were produced simultaneously in the workshop and in one day installed on the site.

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Name of the project:	Synergia Square
Location address:	Ruta, Montevideo, Uruguay
Year of construction:	2009
Client (investor):	Zonamerica Business & Technology Park
Function of building:	recreation place
Roof design and project:	Sobresaliente ltda.
Roof structural engineer:	eng. Marella & Pedoja
Roof fabricator and contractor:	Sobresaliente ltda.
General project:	Dovat&Asociados – estudio arquitectos
Material:	Ferrari 1002 S
Covered surface (roofed area):	212m ²

