

# CASE STUDY



<b>Application</b>	External façades
<b>Building type</b>	Commercial office complex
<b>Architect</b>	Valentiny (Liège - BE)
<b>Product</b>	TESS™ 440
<b>Location</b>	Belgium
<b>Project team</b>	BIPP BIPP SA
<b>Main Contractor</b>	AM Galère-Moury

## ABOUT THE BROADCASTING HEADQUARTERS

### External shading that disappears when not required

Guthrie Douglas' TESS™ 660 This global Headquarters in Liège, Belgium was designed by Valentiny architects and built by AM Galère-Moury, incorporating 23,000m<sup>2</sup> of office and production space. Sustainability, user comfort and light control were central to the design criteria for the building, and automated exterior fabric shading was integrated into the façade design at an early stage. BIPP-BIPP SA worked with Groven +, the façade manufacturer and architect Valentiny to investigate the feasibility of a fabric tensioned screen being deployed 75 cm away from the façade exterior of the building.

Bipp-Bipp SA chose Guthrie Douglas' TESS™ 440 for its discrete stainless steel cable guides, which blend in with the glass and brushed metallic finish of the façade, to allow a clean aesthetic when the blinds are retracted. When the blinds are deployed, the illusion is created of a floating fabric façade.

Following rigorous fabric testing, a polyester core fabric was selected, with a double holding seam manufactured in Italy, by DALEX. This fabric performed perfectly at the required wind speed of 80 km/h.

The retractable fabric mesh allows users to enjoy natural light and views, whilst providing protection from heat and glare and precise control of light levels. The sustainability credentials of this design methodology were recognised with a 'Very Good' BREEAM rating.

The project team installed over 280 TESS™ systems in phases over three months in line with the construction programme. Guthrie Douglas were engaged by BIPP-BIPP SA to collaborate on design concept development, the feasibility study including wind resistance testing, system manufacture, on-site installation training, and post-completion support.