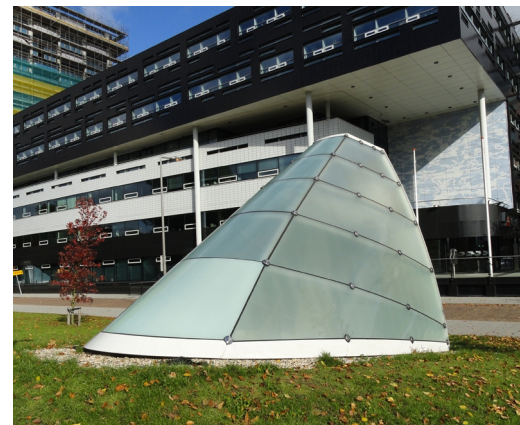
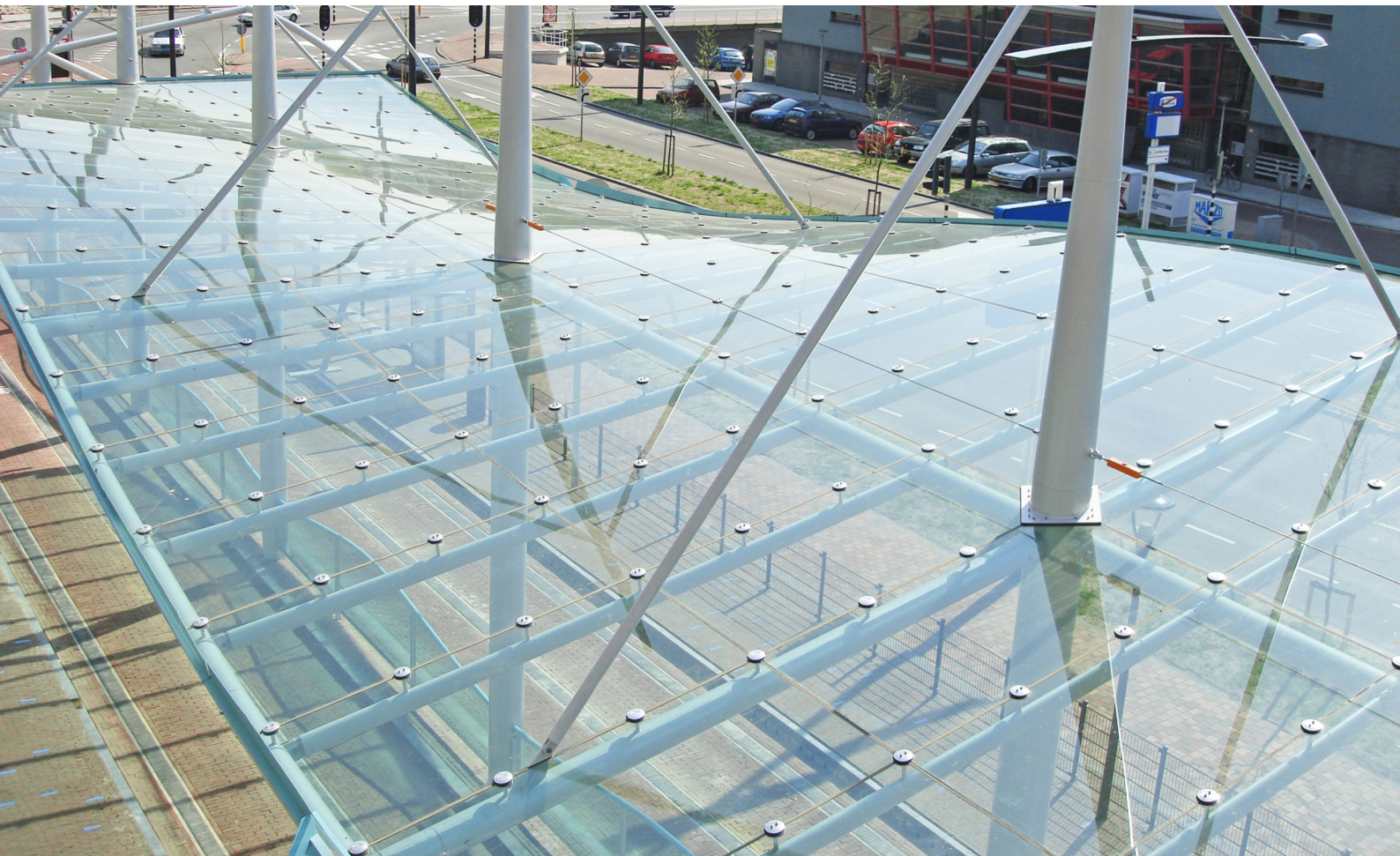


SHAPED GLASS



Traditionally shaping of glass sheets is done in hot-bending processes. However, cold-bending of glass sheets has important advantages. In hot-bending, a single or double curve in a glass panel is achieved by heating the glass and allowing it to cool in a mould. This process is expensive given that a separate mould needs to be made for each glass shape. Besides, any irregularities in the mould will also be visible in the glass. Octatube has been realizing projects with cold-bent glass since 2001.

Flat glass sheets are bent and kept in shape using mechanical pressure at the construction site. Both in single and double curved applications. During bending, half of the tension applied is used for bending and the other half to take up the wind loading. It is also possible to twist double gazed panels in a frame. We have thoroughly investigated the theory underlying the bending of glass, allowing us to model and predict the material's bending and breaking properties.