

CASE STUDY

Project: **Gasworks Plaza**
Location: **Newstead – Brisbane City**
Client: **FKP**
Architect: **JFP Urban Consultants**
Contractor: **MakMax Australia Pty Ltd**



Gasworks Plaza, Newstead, Brisbane City

Stainless FlexMesh panels provide a trellis for a subtropical planting of vines at the heritage listed Gasworks site.

Situated within and around the base of the iconic, and heritage listed Gasometer frame, the Gasworks Plaza aims to integrate and celebrate the distinctive history of the site.

Stainless FlexMesh panels were installed to support lush subtropical vines. The vines will form a canopy above a subtropical garden and create a comfortable, relaxed retreat in a predominantly urban environment.



MakMax Australia investigated various options and chose marine grade stainless steel FlexMesh for the trellis because:

- Its strength and durability reflected the industrial heritage of the site;
- The thin stainless wire rope mesh delivered a light, transparent structure under extremely high loads;
- The stainless mesh could be combined as an integral part of the architectural structure; and
- FlexMesh offered a cost competitive, low maintenance trellis for a public environment.



Construction Details:

- Eleven FlexMesh panels were custom made from bright annealed ASIS316 2.0mm 7x7 wire rope. The 120mm x 208mm aperture mesh was secured with seamless stainless ferrules for added strength.
- The FlexMesh was tensioned onto frames at MakMax's Brisbane fabrication facility using 6.0mm stainless cable and M6 rigging screws.
- Each panel was then transported to site and carefully fitted into position.

FlexMesh's 3D flexibility is an example of how technical and aesthetic demands can be combined as an integral part of architectural components. FlexMesh also offers a cost-competitive alternative to balustrades for bridges, staircases, marinas and multi-storey car parks, large barrier fences, wildlife enclosures and building facades.

Manufactured to ISO9001 Standards, FlexMesh is available in a range of cable diameters from 1.2mm to 4.0mm and diamond sizes from 25mm (MW) x 43mm (MH) to 180mm (MW) x 312mm (MH).

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