Sunshine Coast Airport, Sunshine Coast Australia

Client:
Maroochydore Shire Council

Architect:
Sanders Turner Ellick

Project Manager:
Connell Wagner

Design & Construction By:
Tension Span Structures Pty Ltd

Project Size:
1,250 sq.m (13,450 sq.ft)


1

Tension Span® flies over Sunshine Coast Airport

Sunshine Coast Airport has been upgraded and extended to handle increased traffic to the beautiful Queensland Sunshine Coast.

Tension Membrane Entry, Carpark and Internal Structures add exciting architectural features to the facility.

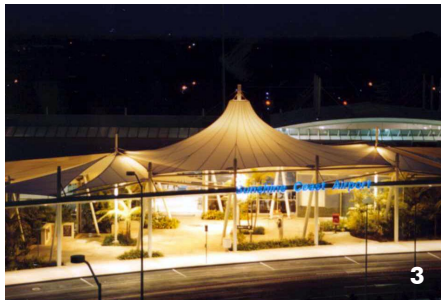
The Entry Structure consists of 7 individual Conical and Hypar membranes supported by 3 masts, perimeter columns and backstays.

Wing like Canopies span the main carpark walkway providing shade and visual impact to the entrance. Internal Membranes consisting of 21 individual Hypars of high translucency fabric are located under the central glass skylight which is over 90 metres in length.

Seaman Tedlar® PVC/Polyester in various translucencies was used throughout the project. TSS in-house finite element analysis was extensively used for modelling, shapefinding and patterning. ■


2

Winner of the I.F.A.I. International Outstanding Achievement Award for the Sunshine Coast Airport tension membrane canopies awarded by the Industrial Fabrics Association International.


3

1. Entry Structures
2. Carpark Hypars
3. Main Entry by night

TENSION SPAN STRUCTURES PTY LTD • 2-36 Kingtel Place Geebung, Brisbane, QLD, Australia 4034 •
Ph: (07) 3854 1900 • Fax: (07) 3252 1252 • Email: **vts@vesl-tensionspan.com** • Website: **www.tensionspan.com**