

**THE ESPLANADE – THEATRES ON THE BAY,
SINGAPORE**
Singapore Arts Centre

Date
1995 - 2002

Architect
Michael Wilford & Partners and DPA

Project Value
£ 40m (external shells)

Project Status
Completed 2002

Collaboration with Atelier One to develop the external envelope system for the new Singapore Arts Centre which commenced construction in 1997.

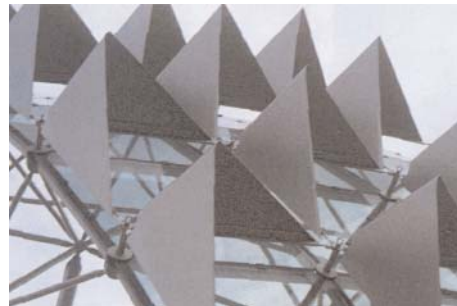
Drawing extensively on the indigenous architecture of South East Asia, the walls and roofs in our design are made up of a doubly-curved gridshell with glazing on the inner surface and folded diamond shaped shading panels on the outside.

The shading panels, or leaves, are designed to filter the sunlight but allow a proportion of sun to enter the interior of the foyers to animate and enrich the space. The reduced solar gain allows the Centre to achieve low energy targets.

Computer models were developed in-house to allow the many variables to be manipulated in order to derive optimised shade geometry for each facade.



View of external shell (above)



Diamond shaped shading devices (above)



Interior view (above); View on the theatres from above (below)



atelier ten