

## CONTENTS

|  |   |
|--|---|
| WHO'S ON FIRST .....   | 1 |
| NEWS .....   | 2 |
| WHAT IS .....  | 2 |
| Project #1 Clark Quay, Singapore .....                             | 3 |
| Project # 2 The Grand Pavilion @ Royal Melbourne Showgrounds ..... | 4 |
| Project # 3 Wildlife Hospital at Healesville Sanctuary .....       | 5 |
| Project # 4 Moët Chandon Melbourne Cup Day Corporate House .....   | 6 |

## WHO'S ON FIRST

- Spotted at large in various locations in Australia, Pierre Renard of Ferrari, Henric Leuer of Verseidag, Robert Schwetz of Mehler. It seems that European fabric suppliers have all taken note of Australia simultaneously. What prompted that?
- Troy Jorgensen, ex Taiyo, is now partnering his old friend Ross Jape in Principle Engineering, watch that space!
- Graham Bonney and Ray White are in a partnership servicing the contract needs of Taiyo for car park work. God speed.
- All the ex Taiyo construction crew, and some extras, have been formed into Ozrig , run by Dean Peters and Jodie M, with Wally Antoun. They form the best aggregation of membrane devoted rent-a-riggers that you are likely to find. Good luck boys.
- Russ Streader, ex Taiyo Operations Head, is heading for more refined and, perhaps dramatic affairs now. Russ is posted into the Solomons for the long haul as part of Ramsi, the Australian and other, mission to try to resolve Solomons' problems. He is on a senior posting.
- Three recent additions to the Melbourne skyline, circus tents in the riverside precinct. These tents just appear from nowhere and the makers are a mystery. Someone inform the correspondent as to their source, please, and why are the designers/fabricators not in the LSAA?
- Arup new offices are among the best in Melbourne. Sitting up at Spring St, well above the hurly burly, they overlook the city and Parliament from an elevation fitting to such an esteemed organization.
- Peter Kneen is back! Many may have wondered where he has been, but now you have this devoted person behind the scene, putting the LSAA back in its rightful place of representation of the strong membrane and light weight structures industry in this region.
- Angus Macleod (Vector-Foiltech) is completing his forth ETFE project in Australia. Who said it would never be used here?
- Anyone requiring complex access systems, ladders or gantries, in their structure, might contact David Batey @ Fine Design 03 98869544 for specialist services. They were gantry designers for the Pavilion, Melbourne Showgrounds project. We would like you to join the LSAA, David!
- Another quick ad, Tony Hayes, ex Taiyo, ex Skyspan, ex UK (past few years) is back and contracting drafting services from a base in Brisbane. He is expert at three D geometry, including fly around presentations.
- Geunther de Graes, previously head of Dubai operations, TMC, is now with HOK on the Gold Coast stadium project.
- Atkins Fabrications have moved into a new, clear span, dust free factory in Carrum Downs where they are continuing a long tradition in fabrication of PVC/Polyester and PTFE/Glass membranes.

## NEWS

**Website;** LSAA now has an operational website <http://www.lsa.org> which should be visited to obtain the latest news on projects and events. The website is still under construction with new material being added on a weekly basis. LSAA financial members will shortly be able to access a "members" area which will house additional material and permit a discussion forum on relevant topics.

**Conference 2006;** The LSAA will hold its first conference in some years, to be in Sydney on Thursday 16th November 2006. This will be a half day event, re-launching the round of major/minor conferences, held on alternate years, for the past 25 years.

It is hoped to secure a lead speaker from famed UK architecture firm, Grimshaw, whose works have delighted us for a long time. The recent, Southern Cross Station in Melbourne features the first and largest ETFE project in this country.

Visit the website <http://www.lsa.org> for further details on location and program.

**Conference 2007;** Getting out of the starting blocks well, the LSAA committee is already scheduling and planning the 2007 major conference event, probably in Melbourne. It will incorporate awards and a plethora of papers on topical matters. There is a lot of superb built work out there, which has not been seen and we expect this to be a gala event.

**Fire Tests;** There is issue of relevance in regard to AS1530 parts 2, 3 with respect to PVC materials. This issue has been developing over some years, culminating in a recent switch of specification requirement from AS1530 to one or two British Standards, being required for testing.

It is proposed to fully canvas this matter at the forthcoming conference, lead by Brian O'Flaherty, who has considerable knowledge in the matter. Persons who have a contribution should contact the editor to express willingness to speak on the matter, present data, or work in a group to seek a resolution.

## WHAT IS

We have all been delighted by the apparitions on our TV screens, showing Allianz arena in Munich, built by the German company, Covertex. Some of us may have thought, "Why the Hell would you use that gladwrap material?" Allianz gives the answer in trumps, especially when the ETFE turns red!

Also note that we have four examples of this material in use here, including Southern Cross station.

## Project #1 Clark Quay, Singapore

Just when you thought you had seen it all, along comes Clark Quay, in Singapore. Completed in May this year, they are known as "Angel Structures". One can see why.

Details;

- (a) Client - Capitaland
- (b) Architect - Alsop Design / RSP Architects
- (c) Engineer - Tensys - [www.tensys.com](http://www.tensys.com)
- (d) Specialist Contractor - Hightex GmbH

So why use ETFE, because you, can!



## Project # 2 The Grand Pavilion @ Royal Melbourne Showgrounds

Recently the N3 The Grand Pavilion @ Royal Melbourne Showgrounds, was completed. This, 104m x 89m x 25m high, six main mast structure appears to be the largest built in Australia and large by any scale of world structures.

It contains some interesting detail for connections, construction and is especially nicely detailed and executed in its steelwork. .

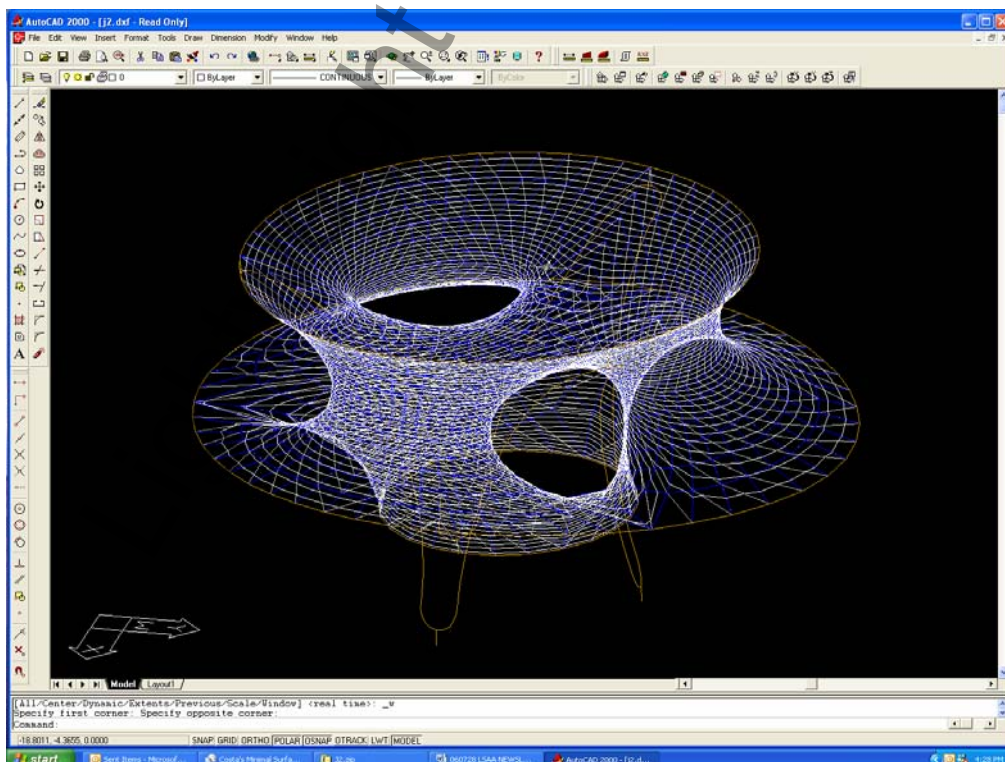
|                   |  |
|-------------------|--|
| Architect         | Daryl Jackson P/L  |
| Main Contractor   | Multiplex Constructions (Vic) P/L  |
| Fabric Contractor | Oasis Tension Structures (Aust) P/L  |
| Engineering       | Tensys Engineers P/L   |
| Fabric            | Mehler FR1000 Mehatop F (main)<br>Hiraoka SD1800 (caps)<br>Gale Quad Crossover (bird proofing) |
| Cables            | Pfeifer via Ronstan<br>Macalloy rods via Ronstan   |



### Project # 3 Wildlife Hospital at Healesville Sanctuary

Based upon mathematician Costa's minimal surface model, this golden PVC structure was one of the more complicated structures that Taiyo has had to design and fabricate. The most complicated part of the process was installing the fabric (with three field joints) around the paperclip support steelwork, two circular and one oval ring.

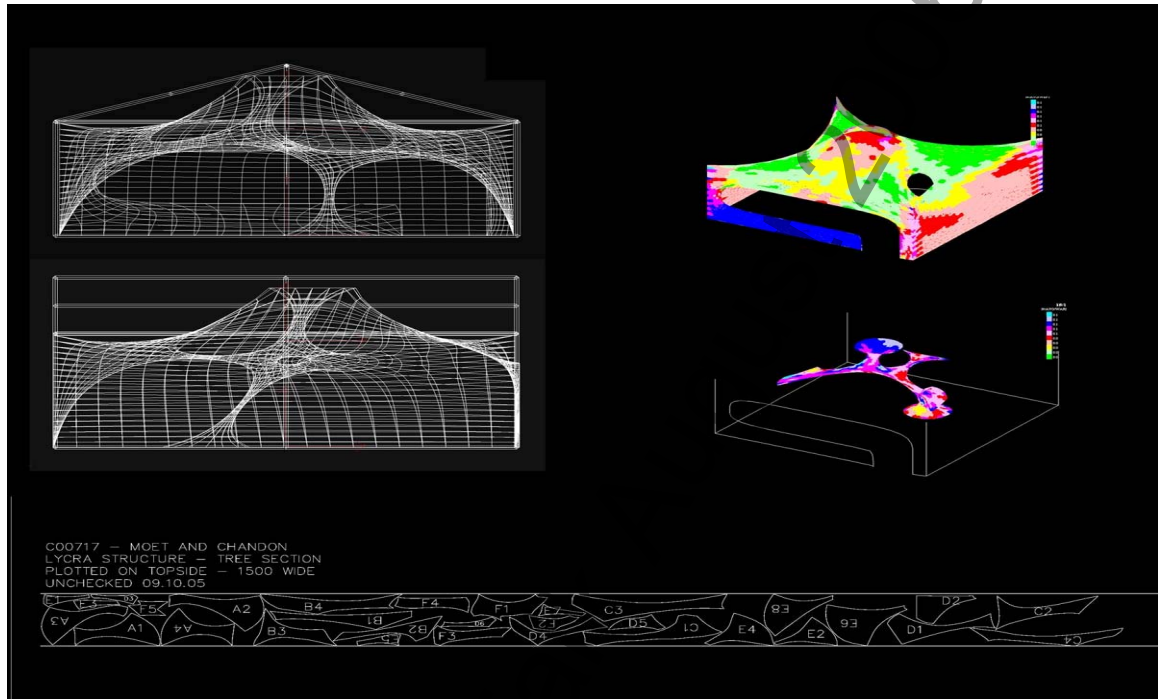
|                   |                                  |
|-------------------|----------------------------------|
| Architect         | Minifie Nixon Architects Pty Ltd |
| Main Contractor   | Behmer & Wright (Vic) P/L        |
| Fabric Contractor | Taiyo Membrane Corporation       |
| Engineering       | Taiyo Membrane Corporation       |
| Fabric            | Ferrari 1202 Gold                |



## Project # 4 Moët Chandon Melbourne Cup Day Corporate House

The second elaborate Lycra structure designed, fabricated and installed by Taiyo. Architect on hand throughout to ensure that his concept was flawlessly procured and constructed.

|                   |  |
|-------------------|--|
| Architect         | Chris Bosse, PTW Architects (Sydney) Pty Ltd |
| Main Contractor   | Taiyo Membrane Corporation                   |
| Fabric Contractor | Taiyo Membrane Corporation                   |
| Engineering       | Taiyo Membrane Corporation                   |
| Fabric            | Lycra white                                  |



Seeing all this work is a convincing reason to be in this industry, and we have not showed 50% of the great works that have slipped past over the last few years. Bring on the conference and the awards!.