

## **CURRICULUM VITAE**

**NAME:** Larry Shyu

**CURRENT POSITION:** Director

### **QUALIFICATIONS & EDUCATION:**

- Bachelor of Engineering (Civil) Honours, University of Queensland 1988
- Contract Management (IEAust accredited)

### **PROFESSIONAL AFFILIATIONS:**

- Corporate Member of the Institution of Engineers Australia – MIEAust, CPeng., NER
- Registered Professional Engineer Queensland – RPEQ
- Registered Building Practitioner Victoria - VBA

### **PROFESSIONAL EXPERIENCE:**

#### **2016 – Current Global Tension structures - Director**

- Engineering consultancy specializing in tension membrane structures.

#### **2013 – 2015 Global Membrane Designs - Director**

- Engineering consultancy specializing in tension membrane structures.

#### **2011 – 2012 ADG Tension Membrane Division - Principal**

- Engineering consultancy specializing in tension membrane structures.

#### **2006 – 2010 Global Membrane Designs - Director**

- Engineering consultancy specializing in tension membrane structures.

#### **2000 – 2006 Taiyo Membrane Corporation - Contract**

(Formerly Shade Structures Birdair Pty Ltd )

##### **Engineering Manager**

- Responsible for the day to day running of the Engineering Department consisting of 4 Engineers and 15 Draftspersons.
- Coordination of / with external consultants, contractors, fabricators and site installation personnel for delivery of turn-key projects.



- Review design and documentation of projects to maximize 'Value Adding' and cost savings at the design stage. Components include structural steel, concrete supports, footings and membrane.

- Liaison with domestic and international clients.

- Design and documentation to international codes as required. (Australian, British, US, Eurocode, Chinese)

- Project Management duties on numerous projects for effective delivery on time and budget.

**1994 – 2000**

**Norris Shyu & Associates Pty Ltd**

**Director**

- Responsible for all specialist and membrane work carried out by the company.

- Responsible for Project Management, design and procurement for numerous projects overseas.

**1992 – 1994**

**Wade Lester Consulting Engineers (Wade Design Engineers)**

**Senior Design Engineer**

- Responsible for the design and documentation work of numerous industrial buildings and tension membrane structures.

**1988 – 1992**

**McWilliam Consulting Engineers (Opus)**

**Design Engineer**

- Responsible for the design and documentation work of specialist structures including spaceframes and high technology composite structures of fibreglass.

- Responsible for the design and documentation work of reinforced and post tensioned concrete and masonry structures.

- Responsible for the design and documentation work of tension membrane structures.

## **Project Samples**

### **2013 – 2017 Global Tension Structures**

Specialist Membrane Engineering Consultant

- Gold Coast Airport Structures
- Robina car park structures, Gold Coast, Aust
- Panggung Anniversari amphitheatre, KL, Malaysia
- Currumbin Bird Sanctuary, Gold Coast, Aust
- Avery Center, Stanford University, California, USA
- Various projects, Singapore
- Horse Arena, Langkawi, Malaysia
- Function Center, Vilnius, Lithuania
- Finlayson School canopy, New Zealand
- Biaxial Stretch testing of various materials – mesh, PVC, PTFE, ETFE

### **2011 – 2012 Alliance Design Group**

Specialist Membrane Engineering Consultant

- London Olympics – Shooting Gallery RAB, UK
- Okaz Fair Stadium, Saudi Arabia
- Portrush Amphitheatre, UK
- Southside Memorial Pool, Aust
- Positivematic Development, Malaysia
- Dockside Function Centre, Aust

### **2006 – 2010 Global Membrane Designs**

Specialist Membrane Engineering Consultant

- Brigidine College, Australia
- Cutty Sark Museum, UK
- Corniche Galleria, Abu Dhabi. UAE
- Genetic Pavilion, Germany
- Santa Fe Opera, USA
- Whitsunday Shopping Centre, Aust
- DY Patil Stadium, India
- Serpentine Gallery, UK
- Broken Hill Swimming Pool, Australia
- Sorbonne University, Abu Dhabi. UAE
- Piraeus Bank, Egypt
- YTCC Canopy, Singapore
- IRB Toll Gate, India
- Mt Barker Bowls Club, Australia
- Port Kembla Carparking, Australia
- Tugun Desalination Plant, Australia
- Valliance Bank, USA
- American Canyon High School, USA

### **2000 – 2006 Taiyo Membrane Corporation**

Engineering Manager

- Zayed University, Dubai. 2005 / 2006
- Collaborative Designer

- Supervision of fabrication / construction
- Engineering value \$200K
- Project value \$2M
  
- Sahara Star Hotel, Mumbai, India. 2003 / 2004
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Client Liaison
  - Engineering value \$150K
  - Project value \$1M
  
- Brisbane Cricket Ground – Grandstand extension. 2005
  - Supervision of fabrication / construction
  - Client Liaison
  - Engineering value \$50K
  - Project value \$1M
  
- Waterfront City Development, Melbourne. 2005
  - Main Designer
  - Supervision of fabrication / construction
  - Engineering value \$30K
  - Project value \$200K
  
- Chinatown Mall, Dubai. 2004
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Engineering value \$1000K
  - Project value \$1M
  
- Karaiskakis Football Stadium / Olympic Games 2003 / 2004
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Engineering value \$120K
  - Project value \$900K
  
- ABC Mall, Lebanon. 2003
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Client Liaison
  - Engineering value \$100K
  - Project value \$800K
  
- SM City Bagiu, Philippines. 2002 / 2003
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Client Liaison
  - Engineering value \$150K
  - Project value \$1.2M
  
- Cyberport Centre, Hong Kong. 2001 / 2002 / 2003

- Main Designer
- Supervision of fabrication / construction
- Client Liaison
- Engineering value \$50K
- Project value \$250K
  
- Al Rayyan Racecourse, Doha. 2003
  - Main Designer
  - Supervision of fabrication / construction
  - Client Liaison
  - Engineering value \$125K
  - Project value \$900K
  
- Kunming City, China. 2001 / 2002
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Client Liaison
  - Engineering value \$75K
  - Project value \$500K
  
- Phonecia Hotel, Beirut Lebanon. 2001
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Engineering value \$20K
  - Project value \$150K
  
- Luxury Tents & Feature Structures, Ayers Rock. 2003
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Client Liaison
  - Engineering value \$75K
  - Project value \$750K
  
- SK Petrol Station, Seoul, Korea. 2000
  - Collaborative Designer
  - Supervision of fabrication / construction
  - Engineering value \$30K
  - Project value \$200K
  
- Numerous shopping centre car park structures, Australia.
  - Main Designer / Collaborative Designer
  - Supervision of fabrication / construction
  - Client Liaison

## 1994 – 2000

### Norris Shyu & Associates Pty Ltd

Projects have included:-

- Singapore Science Centre, Singapore
- Choa Chu Kang Sports Centre, Singapore
- Tapeng Bay, Taiwan

- Fox Movie Studios, Sydney
- Landmark Shopping Centre, Doha, UAE. Middle East
- Kelapa Gading Mall, Jakarta, Indonesia
- Greenbelt Forest Reserve, USA
- Jassim Jaidah Majlis, Abu Dhabi
- Preliminary design Sutera Harbour, Philippines
- Preliminary design Mission Hills Resort, China
- Loganholme Shopping Ctr Carpark Structures, QLD
- Garden City Carpark Structures, QLD
- Tjapukai Theme Park, Cairns, QLD
- RNA Commerce Building, Brisbane

**1992 – 1994**

**Wade Lester Consulting Engineers  
Senior Design Engineer**

- Responsible for the design and documentation work of numerous tension membrane structures and also portal framed buildings.

Projects include:-

- Porirua Shopping Mall, New Zealand
- Big Pineapple, Sunshine Plantation, Australia
- Sunnybank Hills Shopping Centre, Brisbane
- Brisbane International Airport
- The Domain Structures, Sydney
- Bay of Plenty Structures, Auckland. New Zealand
- Fischer & Paykel Facility, Brisbane
- Rover Mowers Facility, Brisbane

**1988 – 1992**

**McWilliam Consulting Engineers  
Design Engineer**

- Responsible for the design and documentation work of numerous tension membrane structures.

Projects include:-

- Twin tennis court & golf club structures, Royal Pines Resort, Gold Coast, Australia
- Air supported pool structure, Canberra, Australia
- Festival Faire Shopping Centre, Cairns, Australia
- Waterfront Place, Brisbane
- Kooralbyn Resort, Queensland
- Seaworld Nara Resort

- Responsible for the design and documentation work of specialist structures including spaceframes and high technology composite structures of fibreglass.

Projects include:-

- Copper & uranium extraction tanks, Mt Isa, Australia
- Copper & uranium extraction tanks, Roxby Downs



- Barrel vault space frame, Ayr, QLD
  - Space frame, Dalby, QLD
  - Computer operated system for automatic carparking
- Responsible for the design and documentation work of reinforced and post tensioned concrete and masonry structures.

Projects include:-

- Numerous QLD Gov. Housing commission units.
- Sheraton Hotel, Noosa Heads.
- Numerous swimming pools including Olympic sized pools

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