



# The Sustainable Engineering Society

...engineering in harmony with ecology

Presents:

**Tuesday 18 November 2014**

**Time:** 5:30pm for 6:00pm start

**Venue:**

Hawken Auditorium, Engineering House  
447 Upper Edward St, Brisbane

**Cost:**

Members	\$15
Non Members	\$45
Students	\$10

Please register to assist catering

**PLEASE NOTE: Booking online is recommended.**

**Only Credit Card payments can be accepted at the door.**

**Speaker:**

**Doug Harland**

Doug, a retired Mechanical Engineer has spent 40 years in manufacturing and in 1993 became the CEO of Toowoomba Foundry and led a turnaround based on sustainability principles that saw a derelict business become a world class award winning company exporting its own branded product to Japan, Canada and the USA. Sales grew from \$10m to \$38m.

A cultural change value based on honesty and integrity combined with product R& D, employee training, and the embracing of a 3D technology platform led to a rapid business turnaround.

In 2008 he became the inaugural CEO of AGIC now ISCA (The Infrastructure Sustainability Council of Australia) and retired after its national launch in 2012.

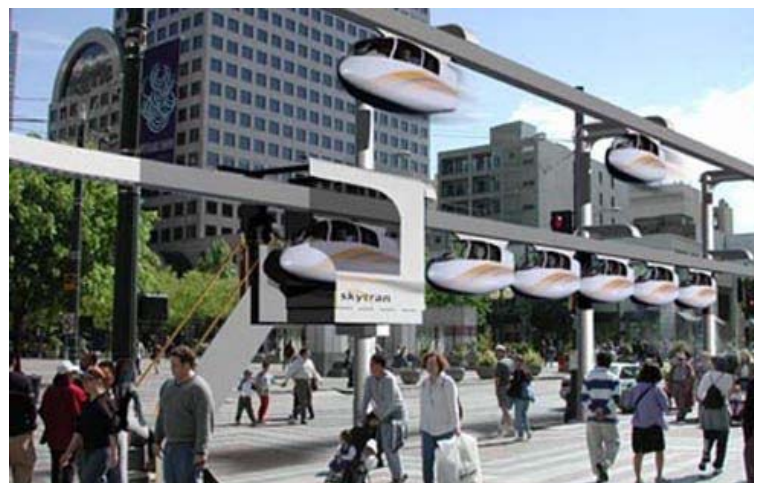
Both these professional experiences led him to believe that Personal Rapid Transport is the sustainable personalised transport system of the future.

## Personalised Rapid Transport - A New Sustainable Public Transport System

Australia is facing many challenges at present - a significant debt, congested cities and their heat island affect, looming peak oil, daily road fatalities, financing much needed costly and community intrusive light rail systems and the loss of its skilled and innovative manufacturing capability.

An intelligent Personalised Rapid Transport system (PRT) is slowly gaining traction globally and the presenter has the view Australia needs to embrace this system to assist in meeting the above challenges.

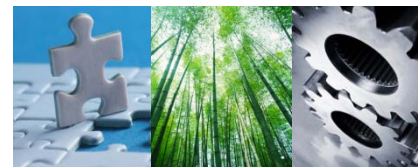
The presenter believes a small pod type vehicle moving at 80-100km per hour weighing around 800kg, seating 6-8 people and mounted on a light weight factory made monorail system with intelligent control is one possible solution to addressing the above national challenges.



**Drinks and Networking**

Please join us for a few drinks and light supper after the presentation.

The presentation will count as one hour towards your CPD.



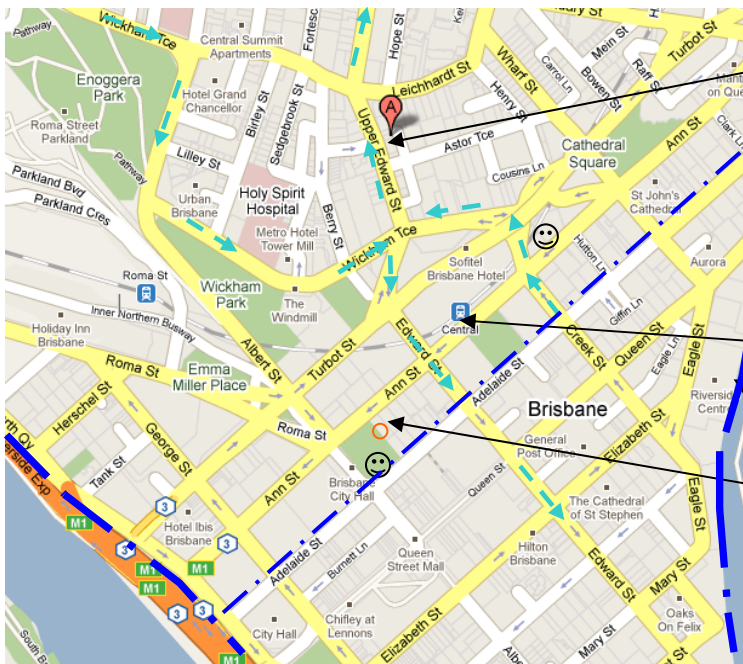
## Drinks and Networking

Please join us for a few drinks and light supper after the presentation.

- For catering purposes **please register by 5pm on Friday 14 November 2014.**
- Register on-line at the [QLD Division Events Website](#)
- Please telephone Qld Division for any registration queries (07) 3832 3749

The presentation will count as one hour towards your EA CPD.

## SENG encourages you to travel by public transport.



### Engineering House

447 Upper Edward St

Spring Hill Loop bus  
every 10 minutes until 6pm

Pedestrian - Cycle way

Central Train Station

Citycat

Transport Information Centre

CityCycle station

For more information go to <http://www.translink.com.au/> or visit the **Transport Information Centre** at King George Square station, Ann Street Concourse.

## Join SENG to take advantage of the lower registration costs.

Annual membership costs to join the SENG are provided below (July 2014):

### Engineers Australia Members (incl GST)

General - \$111.65

Retired - \$63.80

Student (without Journal) - FREE

### Non Engineers Australia Members (incl GST)

General - \$133.65

Retired - \$74.80

Student (with Journal) - \$27.50

For more information about SENG membership, visit the SENG website at:

<http://seng.org.au/membership>

Visit the Engineers Australia Qld website at: <http://qld.engineersaustralia.org.au/>

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