

# MINUTES

## Roads Australia Sustainability Chapter

### Urban Spaces of the Future

Monday 28 November 2016

Location: DPTI, 77 Grenfell Street, ADELAIDE

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#### Welcome and Introduction

Jay Stricker, the Roads Australia Sustainability Chapter Deputy (and Industry Director for Transport at AECOM) welcomed members from RA and the Australian Driverless Vehicle Initiative to the 'Urban Spaces of the Future' Forum in Adelaide.

The forum was a Roads Australia collaboration with the ADVI Capital Cities Forum Series.

Jay introduced the forum as an investigation into how automated vehicles on our public roads will affect mobility, associated business models, market opportunities and city planning into the future. The forum also reviews global smart city progress, enabling the demand for data and insights into the automated future, with a special focus on Adelaide.

Jay recognised the mix of 30 organisations in the room. All who contribute to the evolution of our cities and their systems to extract the greatest benefits from the introduction of automated vehicles for society.

#### Andrew McKeegan, Chief Development Officer, DPTI

DPTI's Chief Development Officer, Andrew McKeegan gave an opening address by detailing Adelaide's 30 year plan, 'Living Adelaide'.

Andrew discussed the importance of putting the people first, the walkable urban form, clean healthy food, jobs, housing choice and 14 policy themes to deliver the plan.

The 30 year plan included targets to protect resources, smart travel, getting active, walkable neighbourhoods and a greener city. Andrew highlighted the importance of being able to measure results and to communicate these results to the community.

#### Rita Excell, Executive Director, Australian Driverless Vehicle Initiative

Rita Excell, Executive Director from ADVI detailed their work with over 90 members across the country to facilitate a safe introduction of automated vehicles.

Rita highlighted the results from a recent public survey to 5,500 people on automated vehicles where 46% of the public agreed that automated vehicles would be safer than them as a driver.

### **Zoltan Maklary, Principal, Advisian**

Zoltan Maklary, Principal from Advisian discussed the trends and expectations of the community associated with automated vehicles.

Key themes included moving from modes to journeys, change driven by population growth, urbanisation and shifting community expectations.

Zoltan positioned regulation as a safety net that we can rely on while we test new ideas.

Zoltan described how connectivity will increase, as well as on-demand point to point transport services, and referred to initiatives underway in Boston and Manchester.

Zoltan suggested that automated vehicles will release car parking spaces and technology will lead you to a car space, and that technology will improve so that some road standards won't matter. Smart infrastructure was discussed in the context of who pays for this? Why should we change to use this technology? How do we change? And what is driving the change?

Zoltan confirmed that education and engagement with the public is essential. Trials are a part of this process as real life applications will assist the community to be comfortable with the technology.

### **James Rosenwax, Market Director, Cities, AECOM**

James Rosenwax, Market Director Cities, AECOM presented high level trends shaping global cities. These trends included resilience, tolerance, migration patterns and the growing global middle class.

James suggested that the first city to achieve cultural inclusion will be the most successful.

Connectivity, density, housing affordability, local government and their resistance to car sharing (due to private enterprise making money from public infrastructure) and econometric models supporting investment were topics discussed in detail.

James also spoke about the possible futures in the context of Adelaide, the rise of the shared economy, collective intelligence, rise of cyber-physical systems and optimising our cities.

### **Agnes Sheehan, Director Enterprise Mobility, Telstra**

Agnes Sheehan, Director Enterprise Mobility at Telstra focused on citizen outcomes by presenting a diagnostic wheel on what citizens value.

Agnes acknowledged the natural tension between all aspects of what citizens value and discussed the role of technology and how it needs to ramp up to deliver from millions to billions of connected things.

Agnes referred to the City of Joondalup in Western Australia as wanting to be the most liveable council in WA and how it is using real time evidence-based reporting in the form of a dashboard to deliver back to its citizens.

Agnes discussed a number of case studies where good citizen outcomes are being driven by public and private partnerships and technology. The case studies particularly focussed on road safety, distraction, blind spots, emergency vehicles at traffic lights, planning and building an ecosystem for public safety and connected home life.

Agnes reiterated that Telstra are working to support good cities to deliver great citizen outcomes.

### **Steve Harrison, Chief Advisor to the City of Adelaide**

Steve Harrison, Chief Advisor to the City of Adelaide discussed Adelaide's 4 year strategic plan.

It's a forward-thinking and ambitious plan that harnesses the best that technology can offer.

Steve discussed the recent restructure, cultural change and new executive team with a 10 year commitment to deliver the strategy for Adelaide.

Steve highlighted Adelaide's quest to be the best connected, and to offer the best business infrastructure in the world. Point to point business fibre networks are being rolled out. The idea is to negate the pressure on productivity from huge internet demand and slowing speeds due to domestic internet use.

Steve confirmed that Adelaide are partnering with Canberra to develop a car parking app to capture the right revenue for the use of parking infrastructure.

Steve highlighted the importance of Adalink which will provide a light rail network through Adelaide. Steve also introduced the trial of a tram on wheels, discussed the compact of Mayors to improve carbon neutral credentials and smart lighting trials using sensors in city zones, increasing charge stations, bicycle connections, pedestrian friendly laneways and bringing the great trains, such as The Ghan, back to Adelaide central station.

### **Closing summary**

Jay invited Leigh Dalwood, Associate Director at AECOM to summarise the key themes from the forum together with the audience. The discussion resulted in a number of key actions for both public and private sector members:

- Keep innovating and collaborating
- Take a good consistent path
- Don't resist change
- Be more open to innovation
- Stop relying on traditional funding sources
- Don't rely on State Government to act
- Keep up the momentum
- Stop thinking about solutions, talk about outcomes
- Be the enabler, let the people decide
- **Put the people first**

## Conclusion

In closing, Jay thanked each of the presenters and ADVI for the opportunity to collaborate. Jay also acknowledged Advisian for sponsoring the catering and to DPTI for providing the venue for the forum.

## Participants

Organisation	First name	Last name	Role
Adelaide City Council	Steve	Harrison	Chief Adviser to the City of Adelaide
Adelaide City Council	Nik	Vogiatzis	WiFi Analytics Advisor
Adelaide City Council	Michelle	English	Associate Director, Sustainability
Adelaide City Council	Daniel	Bennett	Associate Director, Design and Strategy
Advisian	Zoltan	Maklary	Principal and Operations Manager
AECOM	Kerry	van Donderen	Area Manager SA
AECOM	Leigh	Dalwood	Associate Director Transport Planning
AECOM	Jay	Stricker	Industry Director - Transportation
AECOM	James	Rosenwax	Market Sector Director - Cities
ARRB Group	Peter	Damen	General Manager
Aurecon	Brett	Nilsen	Market Director - Infrastructure Australia & New Zealand
Australian Driverless Vehicle Initiative	Mandy	Tapfield	ADVI Business Support Officer
Australian Driverless Vehicle Initiative	Rita	Excell	Executive Director
City of Playford	Ken	Potter	Transport Planner Specialist
City of Salisbury	Malcolm	Mak	Graduate Civil & Traffic Engineer
City of Salisbury	Tony	Calandro	Senior Traffic Engineer
Clayton Utz	Marko	Misko	Partner
Cohda Wireless	Paul	Alexander	CTO
Cohda Wireless	John	Buetefuer	Lead Research Engineer
CPB Contractors	Wayne	Sampson	Principal - Water
DPTI	David	Gammon	Asset Manager, Electrical Assets
DPTI	Andrew	McKeegan	Chief Development Officer
DPTI	Andrew	Excell	Director, Portfolio Management Office
DPTI	David	Rogers	Manager
DPTI	Phil	Lawes	Manager
DPTI	Kelly	White	Manager
DPTI	Philip	Blake	Manager Traffic Operations, Metropolitan Region

DPTI	John	Brodie	Principal Engineer, lighting assets, communications and energy
DPTI	Alan	Richards	Principal Policy Officer - Planning and Transport Policy
DPTI	Damien	Anderson	Senior Portfolio Analyst
EastLink	Murray	Harding	General Manager Alliance
Engineers Australia	Renae	Leverenz	General Manager
eSMART 21	Jega	Balakrishnan	CEO & Director
FYFE	Craig	Glynn	Engineering Project Manager
GHD	Graham	Ackers	Principal Engineer Manager ITS
GTA Consultants	Paul	Morris	Director
Kellogg Brown & Root	Dale	Wakeling	Industry Lead Roads & Traffic
Kellogg Brown & Root	Doug	Gillott	SA Operations Manager
Lloyd Roberts & Associates	Lloyd	Roberts	Director
Martin Small Consulting	Martin	Small	Principal
Mott MacDonald	Jeremy	Rees	Highways Design Leader - Adelaide
Mott MacDonald	Allen	Greig	Civil Engineer
Norman Disney & Young	George	Balales	Director
Opus International Consultants	Ilario	Roccisano	Asset Management and Projects Team Leader SA/NT
Opus International Consultants	John	Hudson	Senior Civil Engineer
Roads Australia	Andrew	Milazzo	Independent Transport Engineer
Roads Australia	Mandi	Dorhout Mees	Policy Director
Siemens	Roy E.	Unny	Head, Business Development and Strategy
SMEC Australia	Alex	Hill	Transport Officer
South Australian Government	Joshua	Carmichael	Director, Low Carbon Economy Unit
Telstra Corporation	Agnes	Sheehan	Director Enterprise Mobility
The Royal Automobile Association of South Australia	David	Williams	Product Manager
The Royal Automobile Association of South Australia	Mark	Borlace	Senior Manager - Mobility and Automotive Policy
WSP Parsons Brinckerhoff	Mark	Elford	Technical Executive - Client Relationship Manager

For information about the Roads Australia Sustainability Policy Chapter, please contact Mandi Mees, National Policy Director – [mandi@roads.org.au](mailto:mandi@roads.org.au)