

# Thriving in the Digital Economy

Prof. Marek Kowalkiewicz
PwC Chair in Digital Economy
Institute for Future Environments
Queensland University of Technology
@marekkowal @chairdigeconomy







QUT

## 5th Ave New York City, March 23, 1913

1913:
Where is THE HORSE?

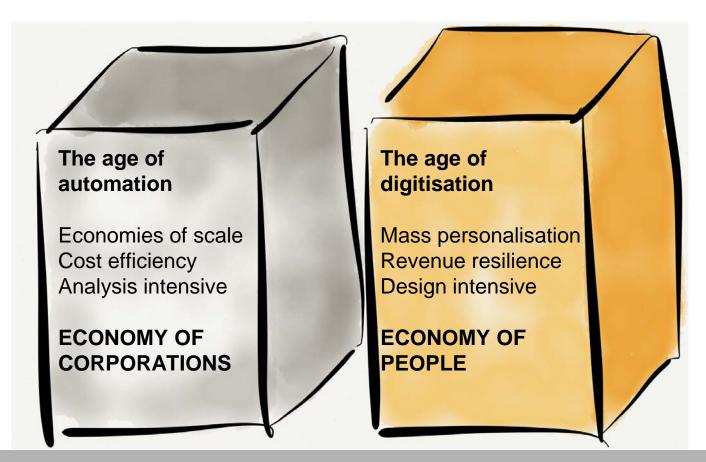


Photo: Easter 1913, New York. Fifth Avenue looking north. George
Grantham Bain Collection
Source: shorpy.com

Leading Market Disruption- Copyright © 2001-2014 by Tony Seba

Volkswagen	"bring highly automated driving functions to market as a core competency from 2021."					
General Motors	Introducing Super Cruise (semi autonomous highway driving), bringing 10 electric models to China by 2020					
Hyundai-Kia	Some components for autonomous systems by 2020, mass production in 2022					
Ford	Fully self-driving car – without steering wheel – by 2021					
Nissan-Renault	Self-driving car ride-sharing service by 2027; Nissan Leaf autonomous single-lane highway driving in 2018					
Daimler	Autonomous taxis in 2021					
BMW	Fully autonomous vehicle by 2021					
Toyota	Vehicles with an autopilot switch in Tokyo by 2020					
Honda	Fully autonomous cars by 2025					









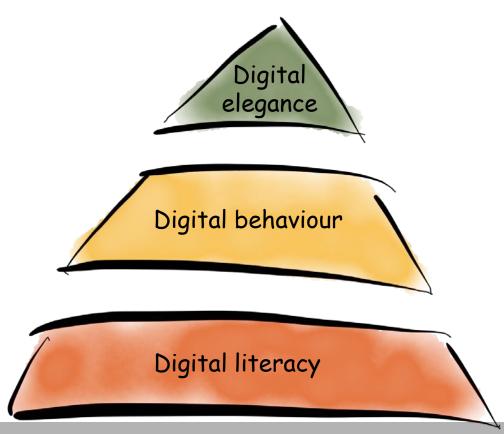














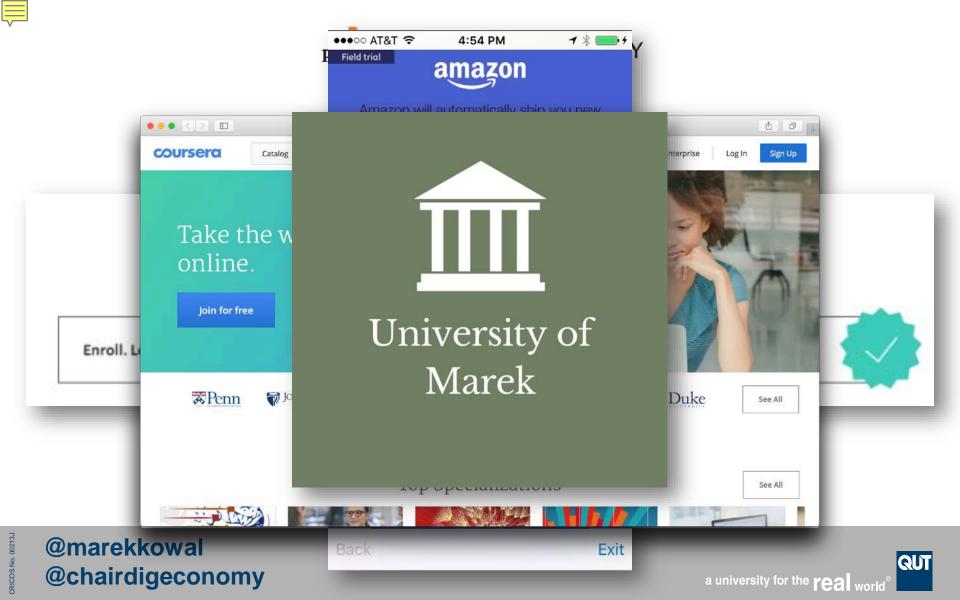




	TECHNOLOGY ADVANCES	CONSUMER DEMAND	CAR AUTOMATION	ECONOMY	CAR SHARING	DRIVER BEHAVIOUR	MEDICAL ADVANCES	ROAD CRASHES
1	TECH PROGRESSES FAST	Δ		\$	HIGH ADOPTION	<b>/</b>		<b>↓</b>
2	TECH PROGRESSES FAST	$\nabla$	* * * * * * * * *	\$	SOME ADOPTION	_		_
3	TECH PROGRESSES SLOW	Δ	<b>.</b>	\$	SOME ADOPTION	X		$\uparrow$
4	TECH PROGRESSES SLOW	$\nabla$		\$	LOW ADOPTION	X		









## New value propositions: zero cost expectation

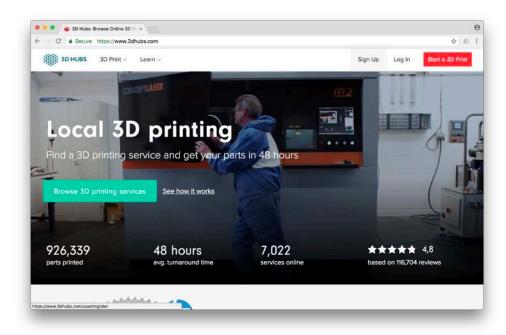
- Zero cost insurance
  - Subsidised by retailers
  - Subsidised by market research firms
  - Subsidised by insurers in return for data
- Zero cost energy
  - Subsidised by employers
  - Subsidised by retailers
  - ...

"(W)e often need a car to go the supermarket, it might not be too far-fetched for the supermarket to subsidise car insurance and fuel only for supermarket trips (which could be digitally visible, measurable and automated), resulting in loss of revenues to fuel or insurance providers" (Ng, 2014, p. 153).



#### New channels

- E-change, remote work
- Digital delivery of goods and services
- 3d printing







### New modes of interaction

- Car being a hub to access services
  - Entertainment
  - Communications
  - Shopping
  - Tele work







#### New customers

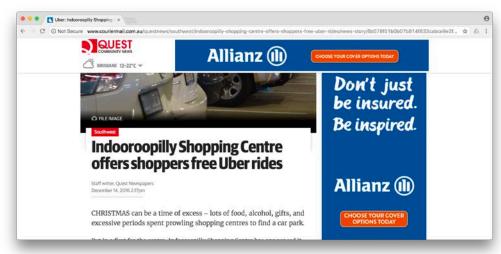
- Car as a Customer
- Car as a man in the middle



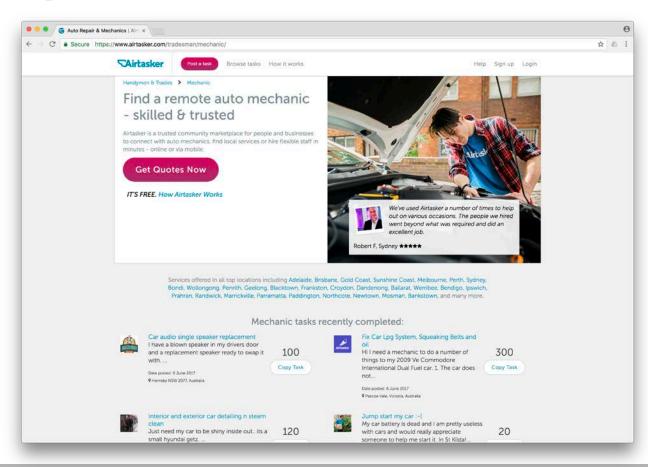


## New partnerships

 Service providers partnering around "job to be done"

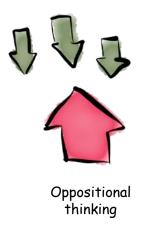


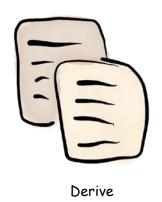
# Customers and employees as competition









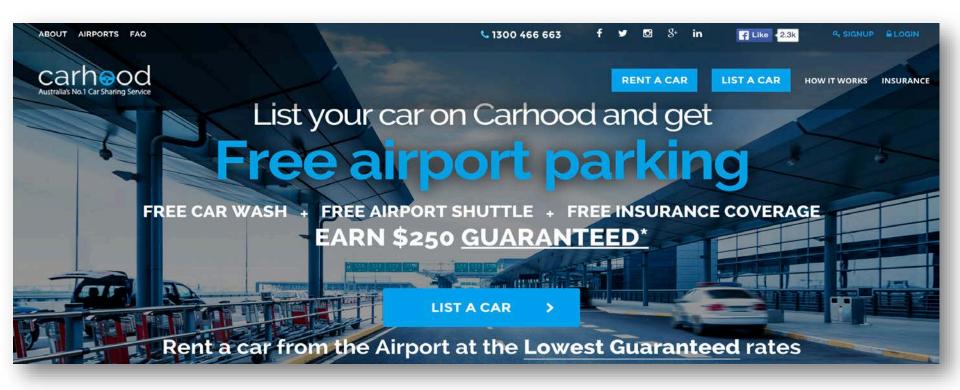




Proactive organisation

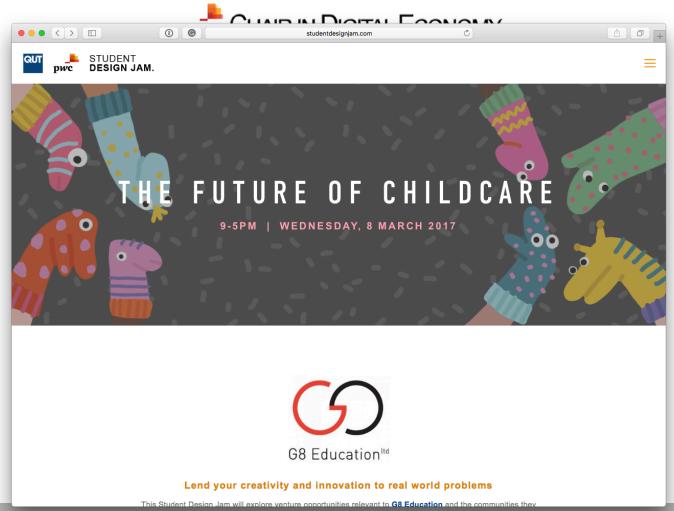
















## INNOVATION SPRINT VALUE PROPOSITION



TOUGH, INTRACTABLE SOCIAL PROBLEMS



VISION OF THE DIGITAL FUTURE



PROACTIVE ORGANISATION RESEARCH OUTPUTS



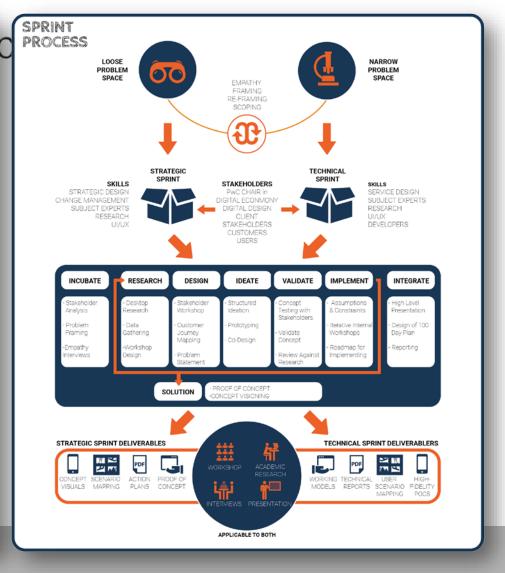
CUSTOMER-FOCUSSED & STAKEHOLDER INFORMED



RAPID IDEATION



STRATEGIC AND TECHNICAL CONCEPT DELIVERY











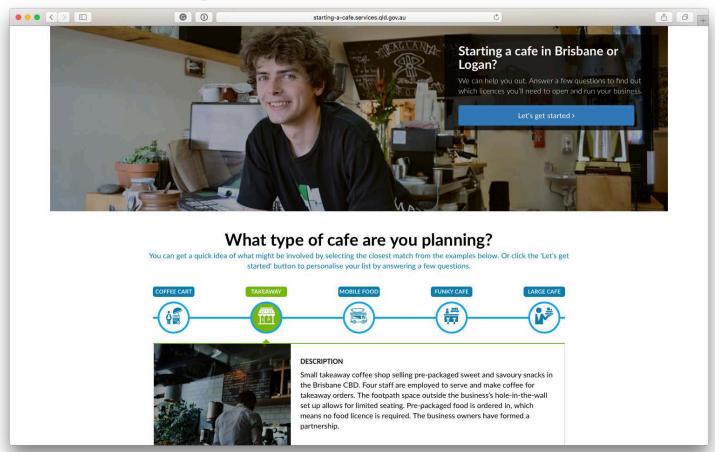


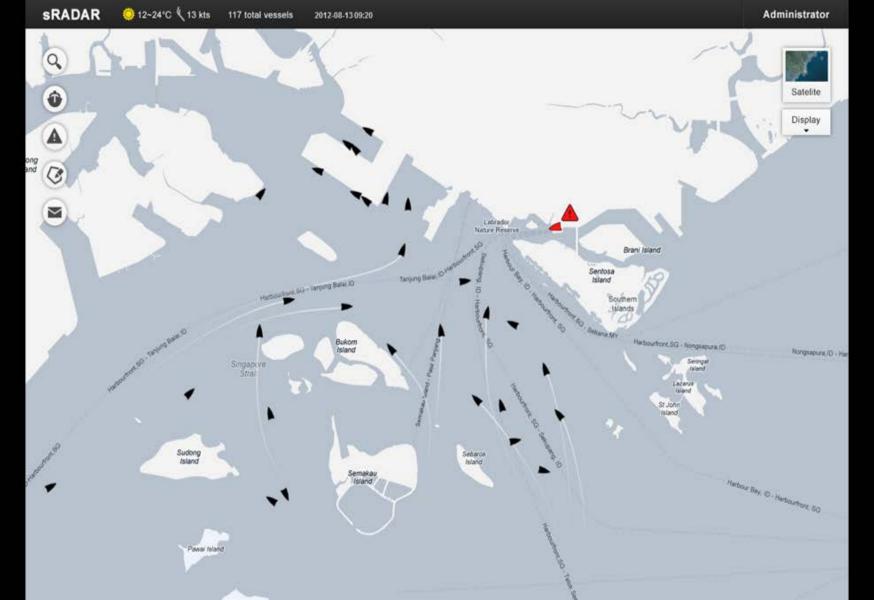














Why?	My Car – The Digital Mailbox	Are you a data Fashionista?	Sharing Economy Regulation	Smart City Gamification	Is Data Changing My Behaviour?	Do Digital Natives think differently?	The Digital Divide
Using Digital to Drive Game Changing Value Creation	Education 3.0	Disrupting the electricity sector	Clive Whincup – CIO Woolworths	Digital public goods	Silicon Valley meets Bris-Vegas	Rethinking Regulation in the Sharing Economy	Tracey Gosling Australia Post
Digital Identity 3.0	The Innovation Nation	Digital Intelligence	Hackerspace Brisbane	Professor Antonio Liotta	Disruptive Innovation	Neuroplasticity with Professor Selena Bartlett	Digital Community
Smart Cities – People, Place and Technologies	Professor Karl Kautz	Environmental Sensing	Opportunity	The Proactive organisation	Accelerating Ideas	Blockchain	The Secret Code
[Disrupting Professional Services]	Proactive Government	Hiding in Plain Sight	Fake News	Digital Bill of Rights	Retail 5.0	Industrialising Innovation	[]







# Takeaways

We live in exciting times! After a period of tension, there will be new jobs, new opportunities, but the landscape will be different. Digital intelligence is an important skill.

We are moving from economy of corporations to economy of people. It is almost impossible to predict all the new opportunities that will arise.

Ability to be agile as a person or organisation is key. Creativity can be learned (and taught).





## Contact

Prof Marek Kowalkiewicz PwC Chair in Digital Economy | QUT marek.kowalkiewicz@qut.edu.au

@marekkowal
marekkowal.info
@chairdigeconomy
chairdigitaleconomy.com.au

