### Where To From Here, Australia?

An address to the University of South Australia on Friday July 8, 2016.

Hon Peter Beattie AC

## Murder rate 10 times New York WANTED REWA REWARD REWARD WANTED

### Detroit downtown: 80,000 abandoned buildings



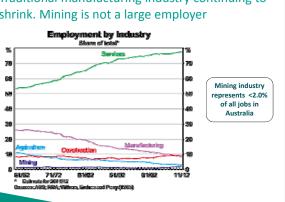
### Homeless outside HQ of GM

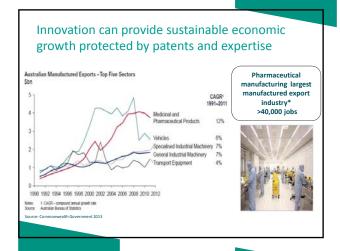


### Detroit: 1 Million people left

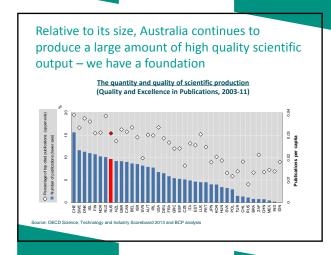


### Traditional manufacturing industry continuing to shrink. Mining is not a large employer

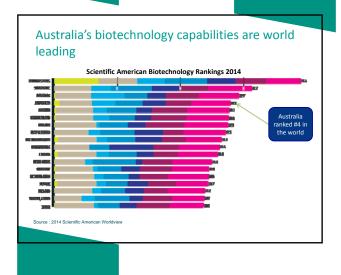


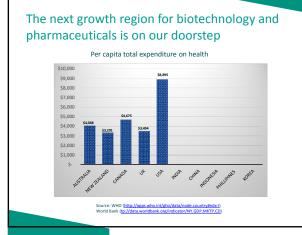






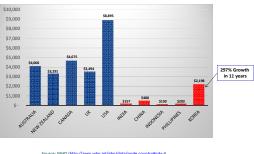






# The next growth region for biotechnology and pharmaceuticals is on our doorstep





### The disruptors



The three most disruptive technologies in the future will be Nanotech; biotech and spatio tech.

- Spatio technologies will drive changes in architecture, construction and engineering
- Importantly they will also enable better planning for healthier cities and lifestyle
- Australia needs smarter cities for us to be globally competitive
- Planning today is arguably as medieval an art as alchemy

### MRCF - A Growing National Collaboration



#### Virtual world

This virtual world will:

- serve us as a knowledge amplifier and collective super-sense to aid in our survival of the big challenges we face such as epidemics, natural disasters and even climate change
- enable better planning for recreation and lifestyle



### Where will the jobs come from?

- 1. Advanced manufacturing,
- 2. Food and agribusiness,
- 3. Medical technologies and pharmaceuticals,
- 4. Mining equipment, technology and services,
- 5. Oil; gas and energy resources and
- 5. Services generally including aged care and tourism.
- 7. Education.



### Demand for richer spatial information

- Within the next decade driverless cars and trucks will fundamentally disrupt the way our cities operate. Already driverless trucks are being used at Australian iron ore mines and South Australia is proposing trials for an airport
- Driverless vehicles will demand increasingly richer spatial information about
  the places they take us. They, along with swarms of small drones (UAVs) and
  other smart sensors in our clothing and structures will capture and share an
  extraordinary amount of live spatial information about the built
  environments we move through in our daily lives.
- Within the next decade this new spatially referenced internet of information will become the new fabric for our increasingly sentient cities and our existences in them.



