CONNECTED LIVING

MIKE WRIGHT EXECUTIVE DIRECTOR NETWORKS & ACCESS TECHNOLOGIES, TELSTRA



M2M IN ACTION OPPORTUNITY TODAY IN MOST INDUSTRIES





Transport

- •Fleet location, activity, speed
- •Cargo state: moisture, temperature



Smart Vending

- Inventory
 Management
- •Card payment at Point of Sale



Security Monitoring

- •Home / business security
- •Video Surveillance



Agriculture

 Measure and monitor soil conditions (water quality, air quality)



M2M IN ACTION EMERGING INDUSTRIES







Retail

- Digital signage, kiosks
- Real time, targeted content based on location, time of day

Automotive

- A new services opportunity: safety, navigation, media
- •User –based Insurance



Utilities

 Real time meter reading for usage based pricing, load control



Healthcare

- Patient monitoringDuress
- solutions

M2M IN ACTION TRUE OR FALSE?



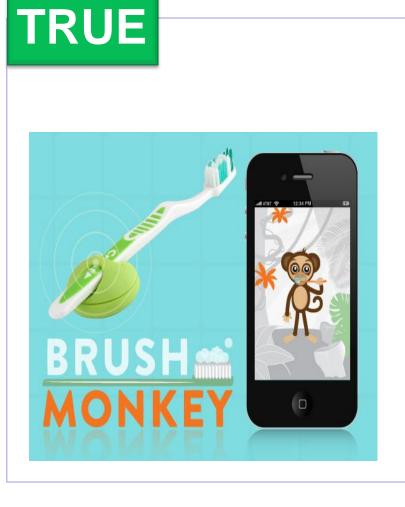




M2M-ENABLED TRUE OR FALSE?

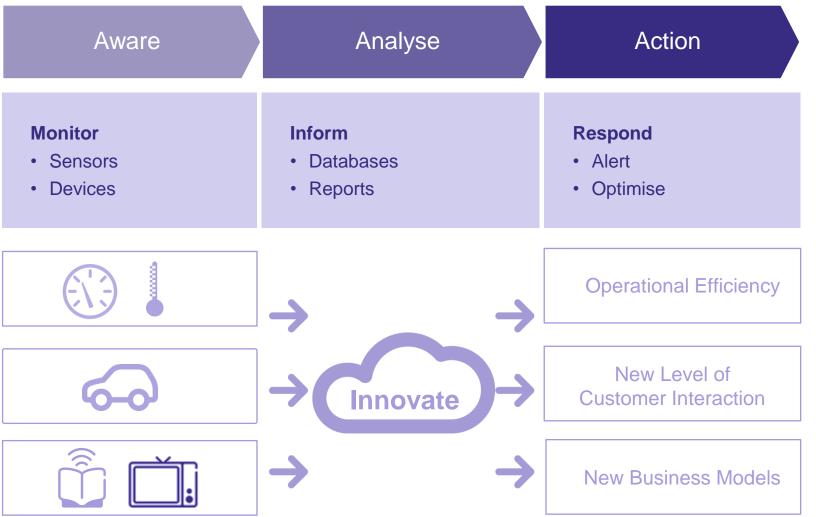






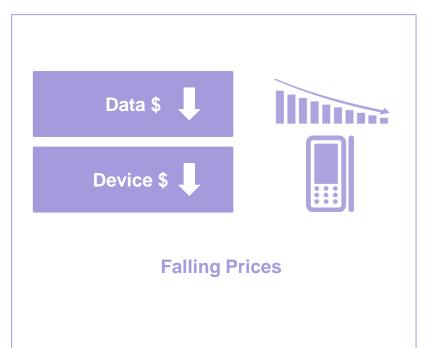
M2M IT'S MORE THAN JUST CONNECTING THINGS

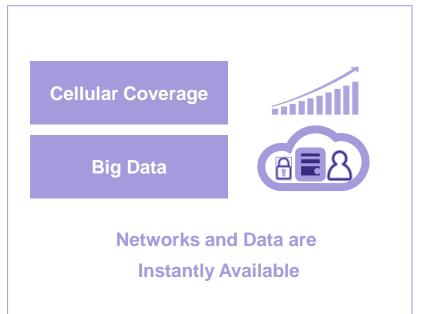
IT'S HOW WE CONNECT



M2M TRENDS ARE EXPLOSIVE ...WHY NOW



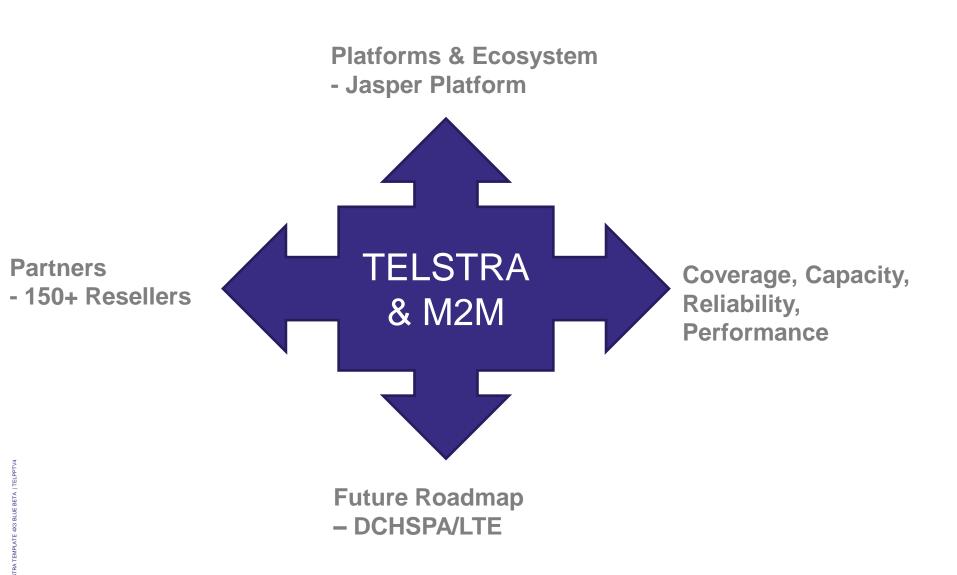




Innovation and Opportunity

M2M IS AN ATTRACTIVE OPPORTUNITY SO WHAT IS TELSTRA'S POSITION ?





OUR NEXT G[®] NETWORK AUSTRALIA'S NUMBER ONE MOBILE NETWORK POWERED BY 3G & 4G

NETWORK





Plus over 1 Million km² out to sea

Coverage Sites^

More sites in both city & country = more coverage and better reception in more places including in-buildings.

7,500

HIGH DEFINITION VOICE

99% Population Coverage^

Australia's largest 3G mobile network covering over 400,000 more Australians than nearest competitor^.

^ Enhanced 3G HSPA+ and 4G /LTE speeds are available in selected areas. For more information on our coverage & speed visit telstra.com.

http://www.telstra.com.au/mobile/networks/

Fastest Speeds Powered by 3G & 4G^

NEXT

5 (C

Only Australian network to commercially offer enhanced 3G HSPA+ typically ranging between 1.1-20Mbps^

First Australian network to offer 4G/LTE speeds typically ranging between 2 - 40Mbps^

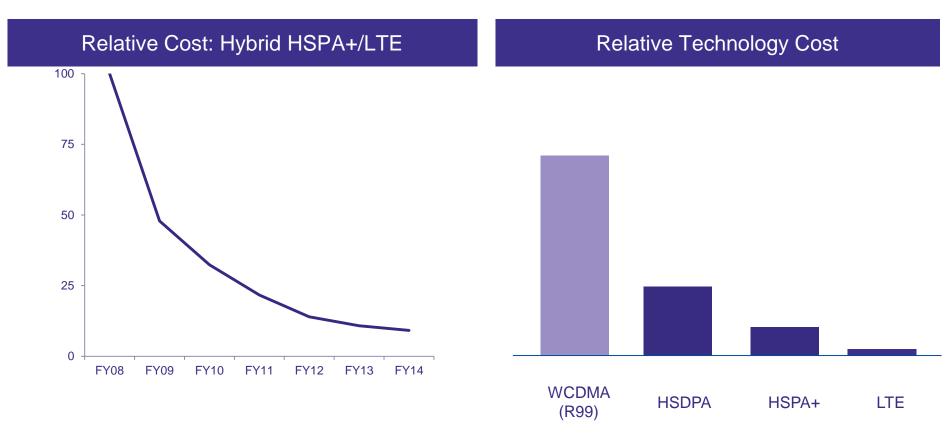


Superior Backhaul Multi-Gigabit Capable^

Ethernet fibre the majority of sites to minimise bottlenecks & max performance.

Best placed to meet current & future traffic demand

EACH GENERATION OF NETWORK HAS WE CONNECT OF CAPACITY IMPROVEMENTS



THE INDUSTRY MUST MOVE TO 3G/4G & WEAN ITSELF OFF CHEAP 2G CHIPS OR RISK FALSE ECONOMY

* Excludes trends from GPRS & EDGE as not carried on the Next G® network

EXPLOSION IN CONNECTED 'THINGS' MEANS GETTING TO THE LONG TAIL



The long tail:

- Low volumes, many opportunities
- More price sensitive
- Lower ICT integration skill
- less aware of M2M value

Early Focus:

- -Vertically integrated
- Large value, scale, margin
- Sophisticated ICT development environment
- Highly aware of M2M value

ENABLERS OF THE LONG TAIL

Easy to use business models

- Common platforms eg Jasper
- Flexible & Secure activation and configuration (embedded SIMS)

'Pre- Packaged' hardware and apps

• Easy to integrate chips and platforms with simple development environments. Look at 'TWINE'





Low cost devices : Chips & Network Impact

- Low cost & efficient devices for network load and signalling
- 3G & 4G networks for higher loads

Education & Awareness

- Raise solution profiles
- Introduce into Universities

