

# Gearing for opportunities and the future



Delivering digital engineering for land transport

# Industry 4.0

To boldly go... or be left behind...



# Digital reshapes lives and businesses

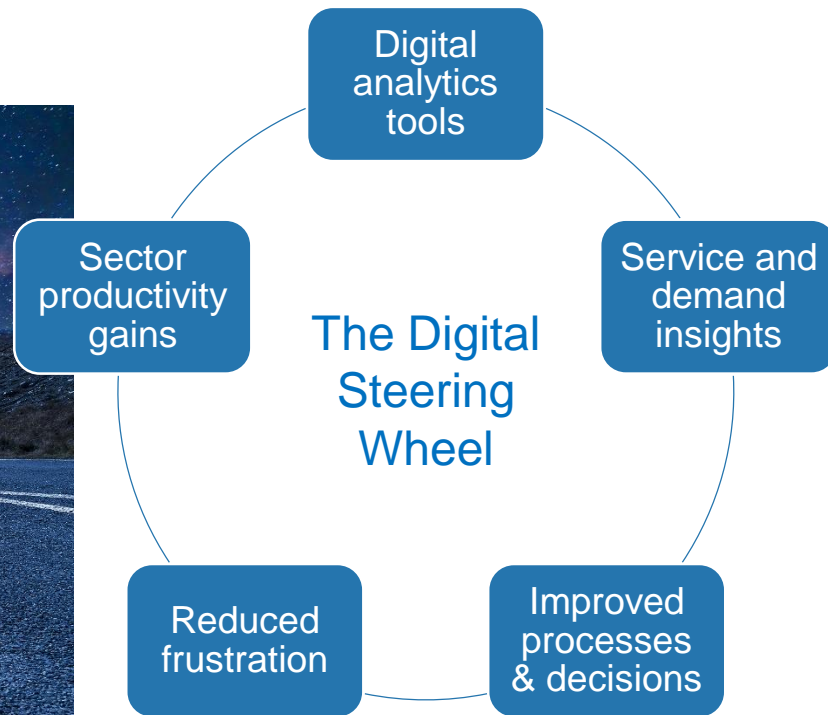
A quick story on a Bell and an Apple

Worldwide	Speed
100M landlines	70+ years
2,000M iPhones operating	Less than 11 years



# Driving into the digital dimension

## Land Transport 4.0





**\$2.8 billion decision:**

**are we gearing NZ's  
roading assets**

**for the best future**

# Getting with the lingo is Standard business

A national asset data language

Recognised national need, developed in partnership:

- (re) launch from June
- exchange or storage model
- Trials and phased roll out



# AMDS to pave a better way

The incredible case of....

Someone never closed out the project and we dig up a road again.



# AMDS to pave a better way – benefits

Better asset and service decisions and outcomes for all New Zealanders

## Benefits of AMDS for Roading

Remove wasted, duplicated effort

Improve process efficiency

Improve customer service

Improve road information quality

Provide structure for consistent records

Improved asset management decisions





# As we all approach the intersection

## Understanding...

- Success involves partnership
- Local financial planning processes
- Local funding/resourcing challenges
- Existing groups and partnerships
- needs and challenges will vary



**“Who votes to give this case to Bernard, too?”**



**Where the  
rubber  
meets the  
road . . .**

# Key cogs to turn for success



## Work with sector to:

- Create roading AMDS in line with international best practice
- Design and roll out plan to embed the data standard and support the sector in this
- Open market for developing/co-creating analytics for national use and sharing
- Move to better balanced model where data valued as an asset

# Planning the route ahead

NIP 2015 leads to pilot standards via **LINZ framework**. 2017 first *Standards go live* with next stop **NZ implementation plan** on road to rolling out AMDS for **Land Transport**. **2019 Plan** & on to **roll outs NLTP 2021 and 2024**, key stops at *new approaches, benchmarking, collaboration evidence-based decisions*. **ETA BAU from 2027**



# Time travel to 2027...

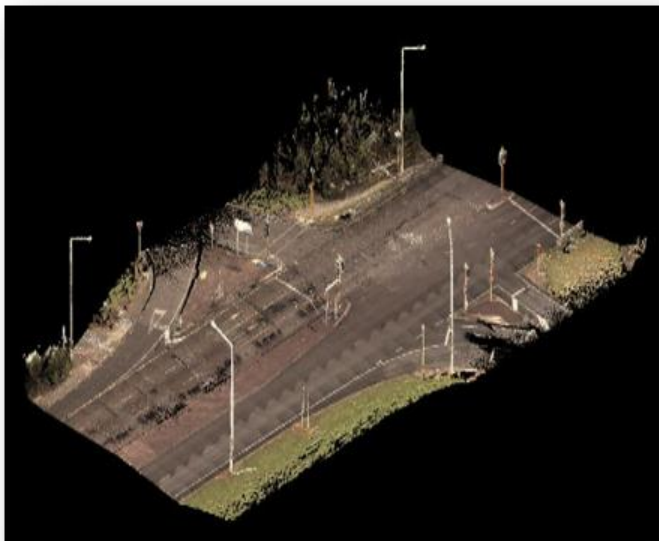
Story 1: High customer engagement and feedback

Story 2: Some legacy systems and approaches no longer acceptable



# Seamless data and analytics

To smooth the road ahead





# Thank you

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