Technology to Enhance District Operations

Assura Software

Make Life Simpler

Today's **presentation**

- New Zealand…sorry, where?
- Who am I?
- Irrigation on the Canterbury Plains
- Common Challenges in WA & NZ ?
- What is Assura & How can it Help?
- Questions

New Zealand...sorry, where?

Things that are world famous in New Zealand.

Silver fern

All Blacks & Black Ferns

LOTR

Throwing people off bridges

The America's Cup

New Zealand…sorry, where?

- 7,381 miles South West of here
- 5 million people (WA = 7.7m)
- 103,500 sq miles of land (WA = 71,362), 26 million sheep, 4 million cows
- Over 1.5m sq miles of EEZ, 4th largest in the world

- **Sir Ernest Rutherford** – the father of modern Nuclear Physics, in 1917 he 'split the atom'

  "We haven't the money, so we've got to think"
  "All science is either physics, or stamp collecting"

- **Sir Edmund Hilary** – first chap up Everest and to both poles

  "We knocked the bastard off."

- **Kate Sheppard** – Lead the women's suffrage movement.

  "Do not think your single vote matters much. The rain that refreshes the parched ground is made up of single drops."

New Zealand...sorry, where?

New Zealand…sorry, where?

How we think and speak

#8 wire mentality
Well done is better than well said
“We’ll do it on the smell of an oily rag”
“She’ll be right”
“I’m going to see a man about a dog”
We also use the word ‘piss’ A LOT.

Things we would never say.

“I don’t mind if we let the Aussies win this one”
“I’m going to hire someone to mow my lawns”
“We forgive the French”
“I won’t have a pie – bad for the blood pressure”

Who am I?

- New Zealand - Aotearoa
- Farming background

Who am I?

- Two sons
- Enjoy sports
- Mariners fan
- US boss, fell into IT
- Grew a business, sold a business
- Bought Assura Software
- Serendipity bought me here.
- Think I have an intergenerational appreciation for how irrigation can change an area.

Irrigation on the Canterbury Plains

Irrigation on the Canterbury Plains

A Number of Natural Advantages

- The plains cover an area of 150 by 45 miles (240 by 70 km) bordering on the Pacific Ocean – 3,000,000 acres.
- The Rangitata, Rakaia, and Waimakariri are the principal rivers, flowing east from the Southern Alps to cross the plains.
- Canterbury has hot summers and generally low humidity and a mean annual rainfall of less than 30 inches (750 mm).
- With the foothills at 1,200 feet (400m) and the sea 34 miles (55kms) to 40 miles (65 kms) away this means that for every mile of travel the water drops between 30 and 35 feet.

Irrigation on the Canterbury Plains

The Summer Nor-Wester

- In one day of flood the Rakaia river puts about 260,000 acre feet (320m cubic metres) of water into the ocean.

- That's about half the average daily volume of the Columbia.

- No shortage of water, just a storage problem.

Common Challenges in WA & NZ

What Problems is Assura Solving at MHV Water?

- MHV example
  - Health and Safety
  - Asset Management and Maintenance
  - Water Testing.

What are the challenges?

- Largely manual processes, paper and Excel?
- Aging staff and new staff are generally more tech-savvy.
- Loss of institutional knowledge as IP leaves and retires.
- Increasingly being asked to do more with less.
- Trust in provider – size and commitment
- Incredibly important industry.

How can Assura help?

How do we Help Overcome those Challenges?

- It's incremental – agile, not waterfall
- IP and the 'what' and 'when' captured
- Processes automated and available via a browser or on a smart phone app
- Training and onboarding, plus ongoing support is key
- Capability that can evolve with you – Like Lego.

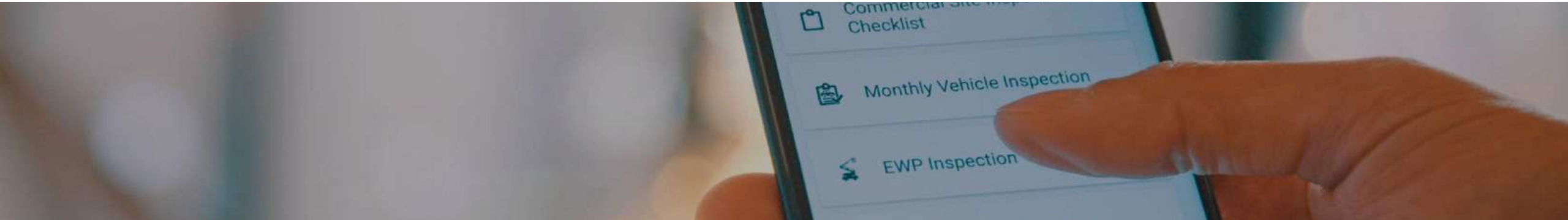
Specifics on how we could help?

- Works Orders/Field Reports
- Permit Process, Purchase Order
- Asset maintenance and management
- Spray logging
- Keeping it simple and consistent.

Assura **customers**

"Why can't all software be this **straightforward** to use?"

"This implementation is now the one that all others will be **benchmarked** by"

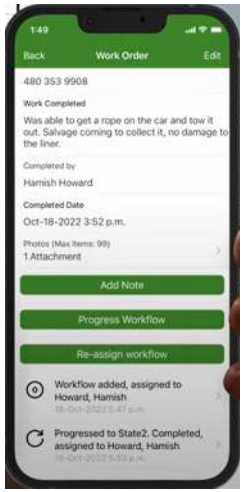


Assura Work Order workflow

Assura Solution

If you Remember Nothing Else…

Mobile app – simple and intuitive interface, your team will love it!
Configurable – can reflect your processes now and as they evolve.
Adds efficiency – do more with the same, or the same with less….
Helps retain IP – know the what and the when.
ROI - Early signs from users are that it has a great ROI.



Questions.