

EMPOWER YOUR ANALYTICS WITH OPERATIONAL DATA

How Todd Energy Approached Digital Transformation

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Todd Energy

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Organiser



Co-host



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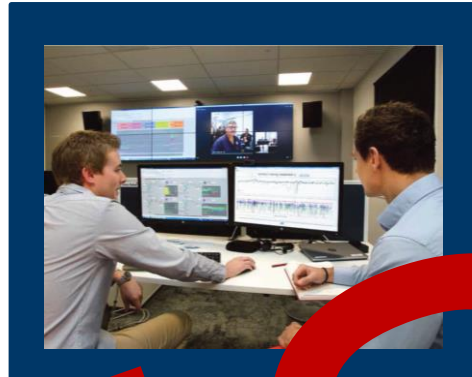
Challenges for Todd Energy



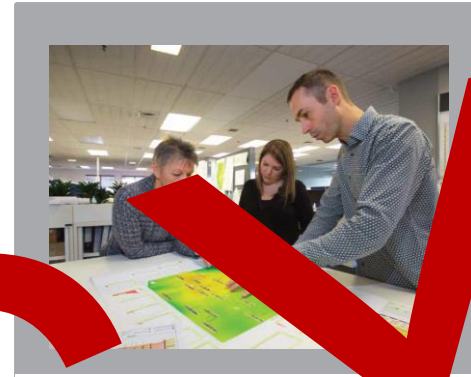
Growth



Infrastructure



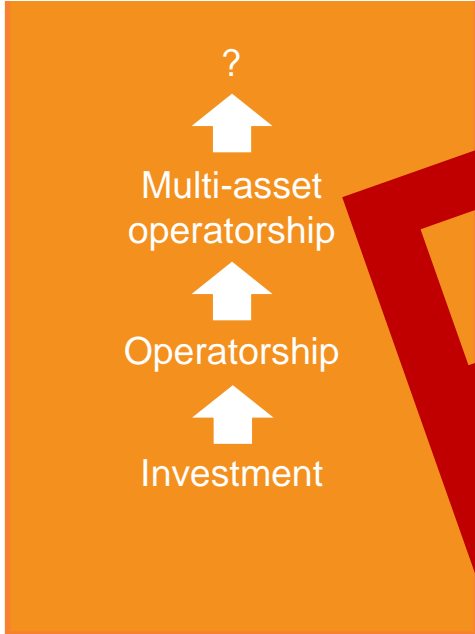
Resources



Data



Applications



- Different architectures
- End of Life (EOL) infrastructure.
- Networks problem areas.

- Capacity of Supply Management Experts (SMEs)
- Geographically challenged locations
- Digital literacy of some personnel.
- Large culture and appetite in fast-paced digital environments.
- Digital ownership.

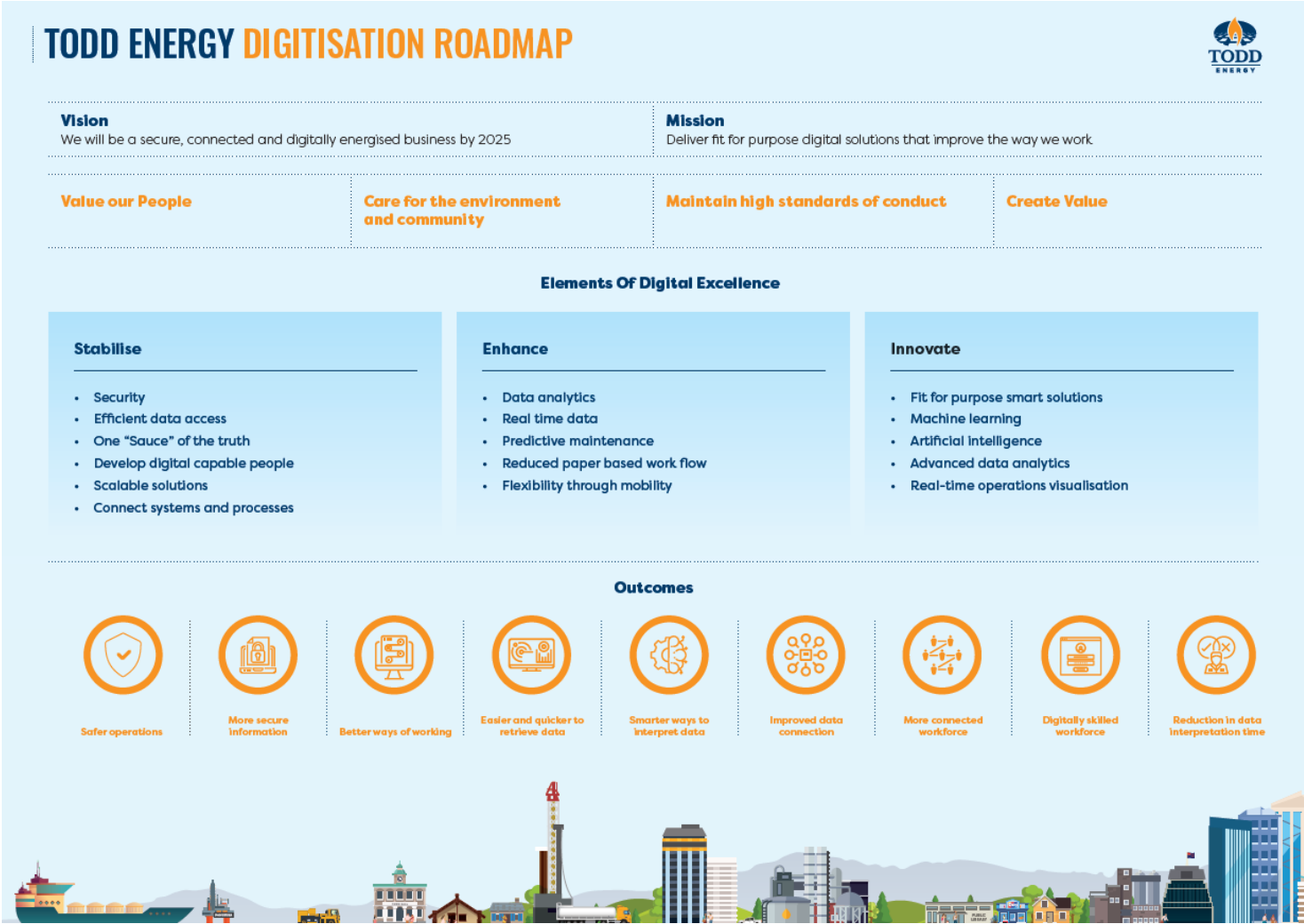
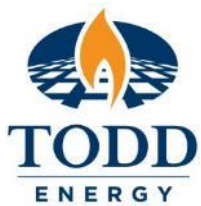
- Variability
- Velocity
- Data quality issues.
- Lack of governance.

- Large portfolio.
- Point solutions.
- Minimal integration.
- Cloud solution growth.
- Ownership.

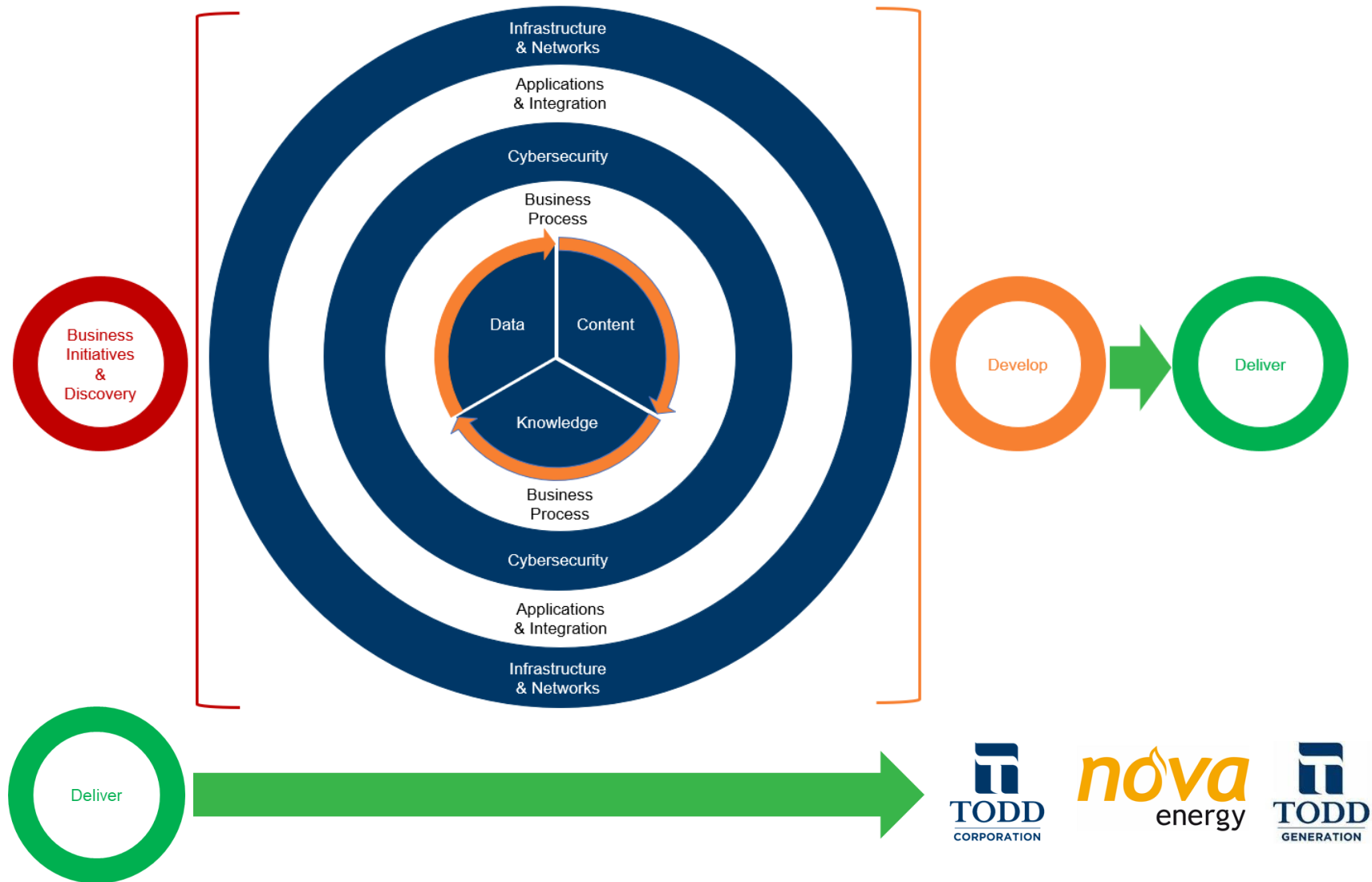
1

Digital Context

Strategy drives digital change

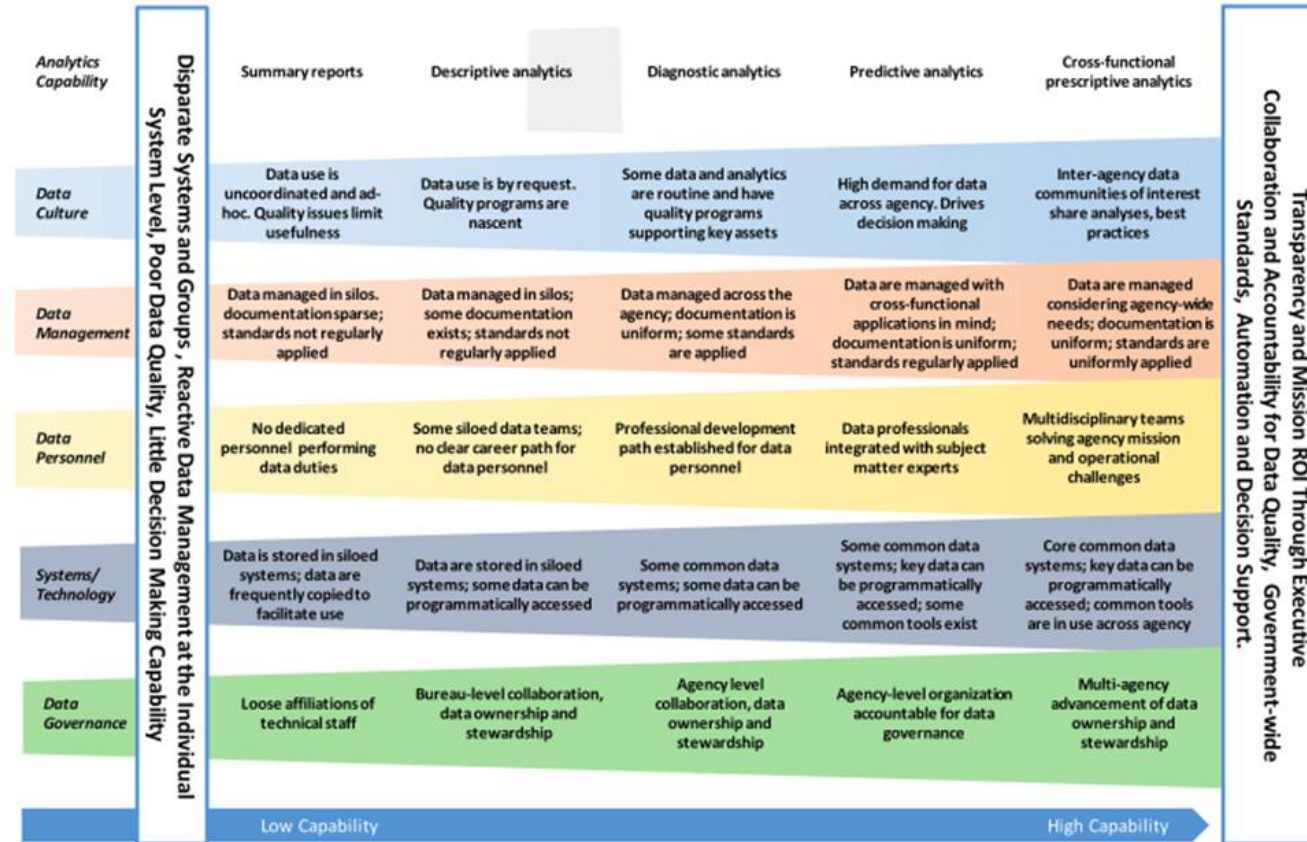


What do we do?



Data maturity is hard work

Models



Frameworks



2

Business Context

Understand the Problem – Scope the Project



Collaboration

Framing workshop
Operations driven
IT facilitated
Vendors included
Wide agreement

Primary Objective: Ensuring OSIsoft PI System is the single source of trusted and reliable measured production data that is able to be visualised or analysed, anywhere.

The introduction of High Availability from a Business Continuity Plan perspective.

The ability to use new functionality / tools

A rationalisation of Kapuni apps

An extension of selected Kapuni app capabilities to McKee & Mangahewa

Master Data Management and system integration principles apply

What the Project IS NOT...

Just a facelift

About creating an excessive amount of work to upgrade screens

Creating a data repository for other data sources

What is on the Fence...

Mobility

3

Partnerships & Delivery

Our Partners



Good Partners

- Share your successes
- Assist with challenges
- Build your credibility
- Mitigate risk
- Give valuable feedback
- Sell the solution for you

Internal – Office	Internal – Site	External
Test the Tools	Test the Tools	Define Capabilities
Define the Plan	Provide Feedback	Develop Apps
Project Management	Identify ‘the Fires’	Put out ‘the Fires’
Facilitate Workshops	Optimise the Process	Support & Train
		Pushback / Feedback
		Provide Solutions

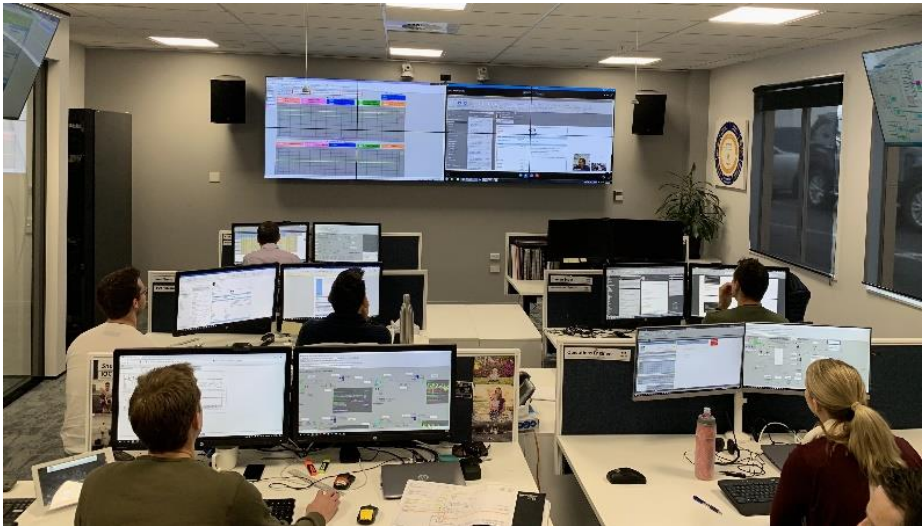
No Grand Design – Eating the Elephant



Use Cases – Real World



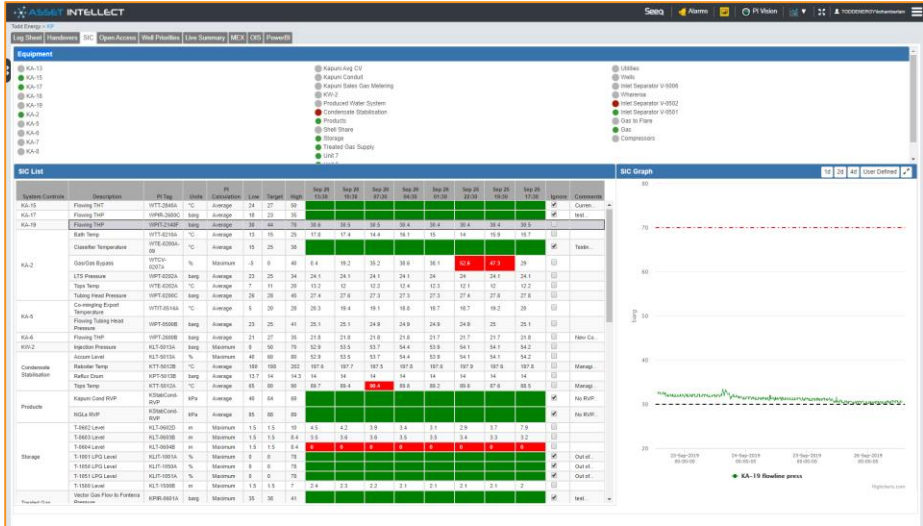
Integrated Operations Centre



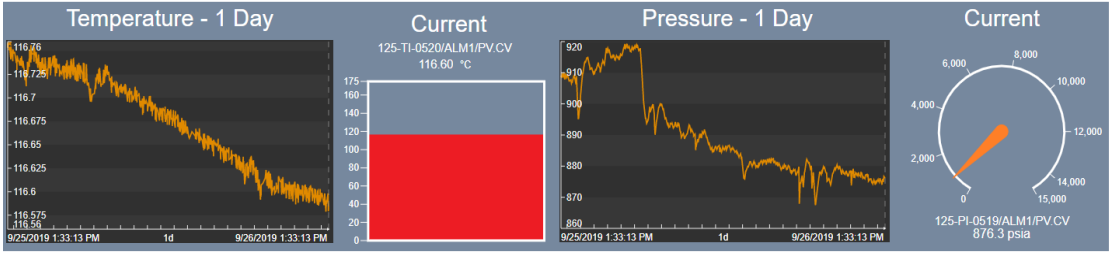
Reliability



Site Operations



Wells – External Operations



4

Enhance & Expand

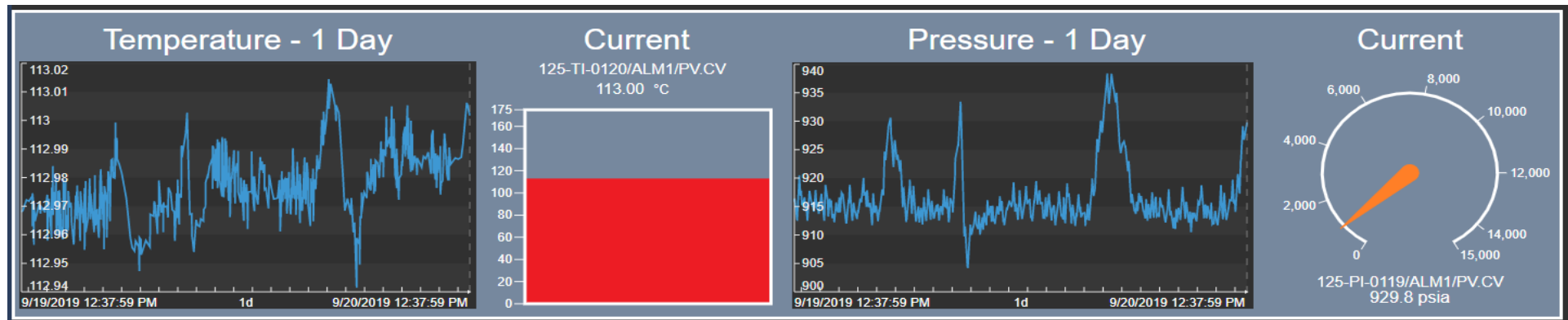
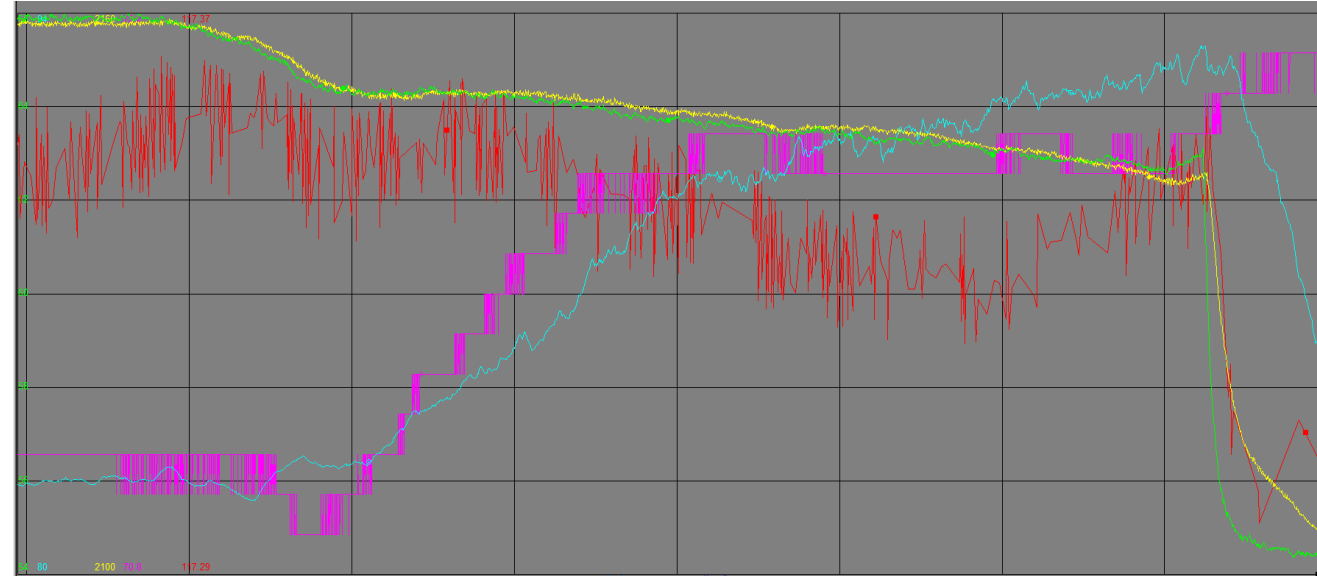
Positive Results – Higher Expectations




What's On Offer

Modern User Interface
Better User Experience
Simpler Design
Quick Learning Curve
High Availability

- Faster build times.
- Less hardware.
- Less software.
- 3rd party access.
- Mobile capable.



Organic Growth – The New Challenge



Integration/Connectivity

Integrated Ops Centre

Reliability & Integrity

Engineering

Maintenance

Well Operations

3rd Parties

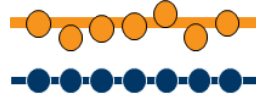






Our Biggest Achievements To Date

Alignment and Standardisation

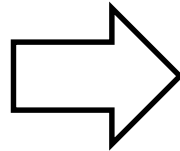


PI System's ability to show real-time plant status and bring business critical production data to our remote sites has been key to getting the whole of production operations in alignment.

Dimension Software have supported us throughout the project providing us guidance and delivery on HA, applications development, and key support when we have requested more functionality and/or troubleshooting.

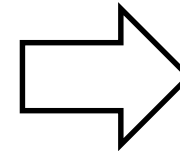
Challenges

- Acquiring a 50 year old plant.
- Acquiring legacy processes.
- Acquiring bespoke applications.
- Trying to align a single business.
- Data quality concerns.



Solution

- Bring PI System Data to where it provides the most value to the business.
- Provide solutions for input, visualisation, and enhancements.



Results

- Transferable processes to each site.
- Updated, sustainable ways of working.
- Business is asking for Digital Solutions.

5

Lessons Learnt

Lessons Learnt

1. Strategy drives digital change.
2. Successful digital deliverables require clarity, urgency and planning.
3. Partner for success.
4. The business has to own the solution.
5. Digital requires new skills sets.
6. Data maturity requires more than a new system.
7. Digital transformation does not happen quickly.

Questions?

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THANKYOU

謝謝

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NGIYABONGA

TEŞEKKÜR EDERİM

DANKIE

TERIMA KASIH

GRACIES

WHAKAWHETAI KOE

DANKON

TANK

TAPADH LEAT

SALAMAT

KŌSZÖNÖM

СПАСИБО

GRAZIE

MATUR NUWUN

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GO RAIBH MAITH AGAT

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HATUR NUHUN

PAXMAT CAĞA

CẢM ƠN BẠN

WAZVIITA

FALEMINDERIT

ありがとうございました

SIPAS JI WERE

TERIMA KASIH

UA TSAUG RAU KOJ

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