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ROYAL PINES RESORT
GOLD COAST
11-12 NOVEMBER 2024

Mobility Solutions, Not Silver Bullets

Shane Clark

Coordinator Enterprise Asset Management, City of Gold Coast

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About Me

Post Graduate Qualifications

Masters of Engineering Management

Advanced Diploma of Business

Graduate Qualification

Subsea Engineer

Certifications

Cert IV - Engineering (Mechanical) – Royal Australian Navy

Cert IV - WHS

Cert III - Aviation (RePL)

Cert III - Marine Technician

City of Gold Coast Snapshot

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700,000+
POPULATION

57 km
COASTLINE

$7.8B
VISITOR EXPENDITURE (2023)

1,402 km2
Area of City

39
MEDIAN AGE

30%
POPULATION BORN OVERSEAS

6th
LARGEST CITY

12.2M
TOURISTS (2023)

14%
SPEAK LANGUAGE OTHER THAN ENGLISH

City of Gold Coast Asset Portfolio

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1.7M+ ASSETS	$7.9B FLOOD MITIGATION / DRAINAGE	$500M BEACHES & WATERWAYS
$5.7B WATER NETWORK	$2.9B PARKS & OPEN SPACES	$200M FLEET, PLANT & EQUIPMENT
$5.2B SEWER NETWORK	$8.6B TRANSPORT NETWORK	$2.1B BUILDINGS

Principles to guide our digital future

1. Data is core business
2. Maximise enterprise platforms
3. Digital uplift
4. Business-led change
5. The way we work

SAP System Usage

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1. Manage all assets (incl. asset master data)
2. Manage all statutory / compliance activities related to city assets
3. Manage asset condition assessment programs
4. Manage preventative maintenance (incl. maintenance contracts) using SAP maintenance plans
5. Manage corrective maintenance
6. Manage asset related works conducted by service providers
7. Record all maintenance work completed on CoGC assets including leased assets

Reason for change / Project leverage

1. End of life for current mobility system

2. Improve asset visibility
3. Breakdown operating silos
4. Centralise asset information
5. Standardise maintenance management practices
6. Capture OPEX costs

Project Overview

1. Business engagement (user requirements)
2. Procurement process to find new solution
3. Solution implementation
4. Training

SAP 9 Step Process

Hydrogen Solution

INITIATE	SCREEN	PLAN	APPROVE	PREPARE	SCHEDULE	EXECUTE	POST EXECUTE	COMPLETE
Automatically generated notification from SAP maintenance plan or IoT (sensor / SCADA / system) Manually generated when defects are identified by personnel	Screened for quality Correct Equipment / FLOC – Cost Centre Description Coding Failure Data Priority Breakdown identifier	Create Maintenance Order Plan Maintenance activity (5M) Method Manpower Materials Money Machine	Approve maintenance order based on plan PM01 Pre-approved via SAP Maintenance plan PM02 Approved Safety Critical PM03 Approval required	Gather resources as per plan Only when maintenance order is 'Ready to execute' does the scheduler assign to 'Planning bucket' ready to schedule	Assign Main Work Centre / Operational Work Centre Scheduling of maintenance Or der / Operations Dispatch	Receive Maintenance Order / Operation(s) Safety requirements (SWMS / SWI / TSA)* Execute work	Time confirmations Attachments Job notes Failure data Final time confirmation Measurement readings TECO WO	Financial settlement Cost analysis PO status' Inv. Status' Business completion of order

Challenges

1. Organisational restructure

2. Maintenance management Alignment

3. Core EAM Usage

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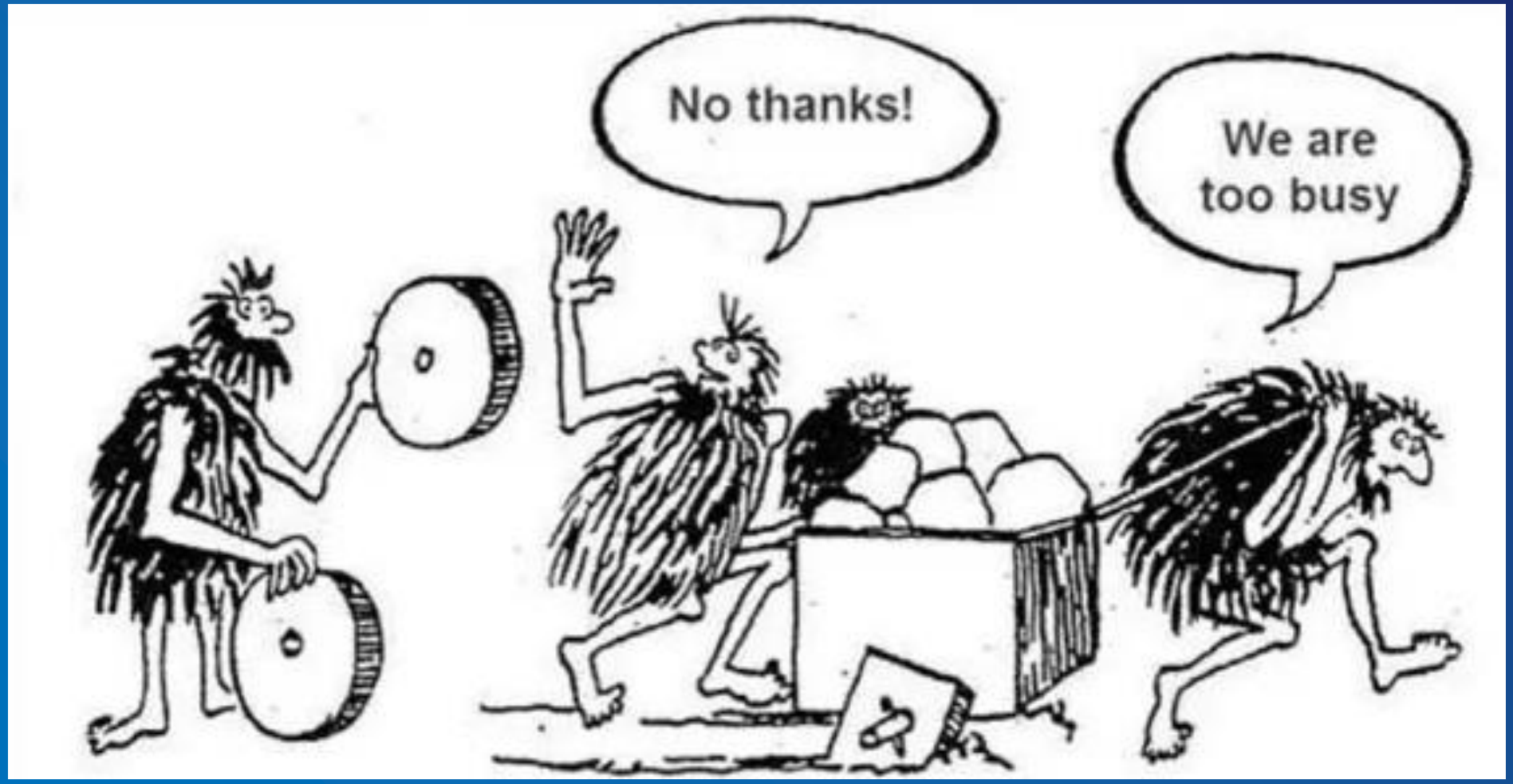
Change Readiness



Challenges

1. Organisational restructure

2. Maintenance management alignment

3. Core EAM Usage

Learnings

1. There are no silver bullets

2. Validate user requirements

3. Change readiness

Learnings

1. There are no silver bullets

2. Validate user requirements

3. Change resistance

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After Action Review

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1. What went well?

2. What didn’t go well?

3. If we could start over, what would we do differently?

How to Connect with Me

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