

Achieving Digital Transformation & Intuitive UX at Hydro Tasmania

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About Hydro Tasmania



More than a century of hydropower.

Australia's largest water manager, dam owner and renewable energy generator

- 30 power stations and 54 large dams
- 307 MW of wind farms

Consulting business Entura delivers clever solutions in water and energy to clients locally, nationally and internationally.

Electricity retail business Momentum Energy operates in mainland Australia and the Bass Strait islands.



Fun facts about Hydro Tasmania



- A Government Business Enterprise (GBE) **owned by the State of Tasmania**
 - \$4.6 billion worth of assets
 - **2653 MW of installed capacity**
 - ~9 GWh output each year
 - Average of 6 TWh in storage
- Participate in the National Electricity Market via 500 MW HVDC underwater interconnector ("**Basslink**")
- The Hydro Tasmania Group employs over 1200 people

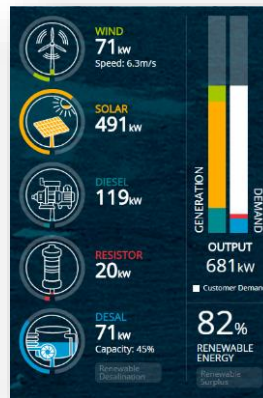


Renewable energy expertise

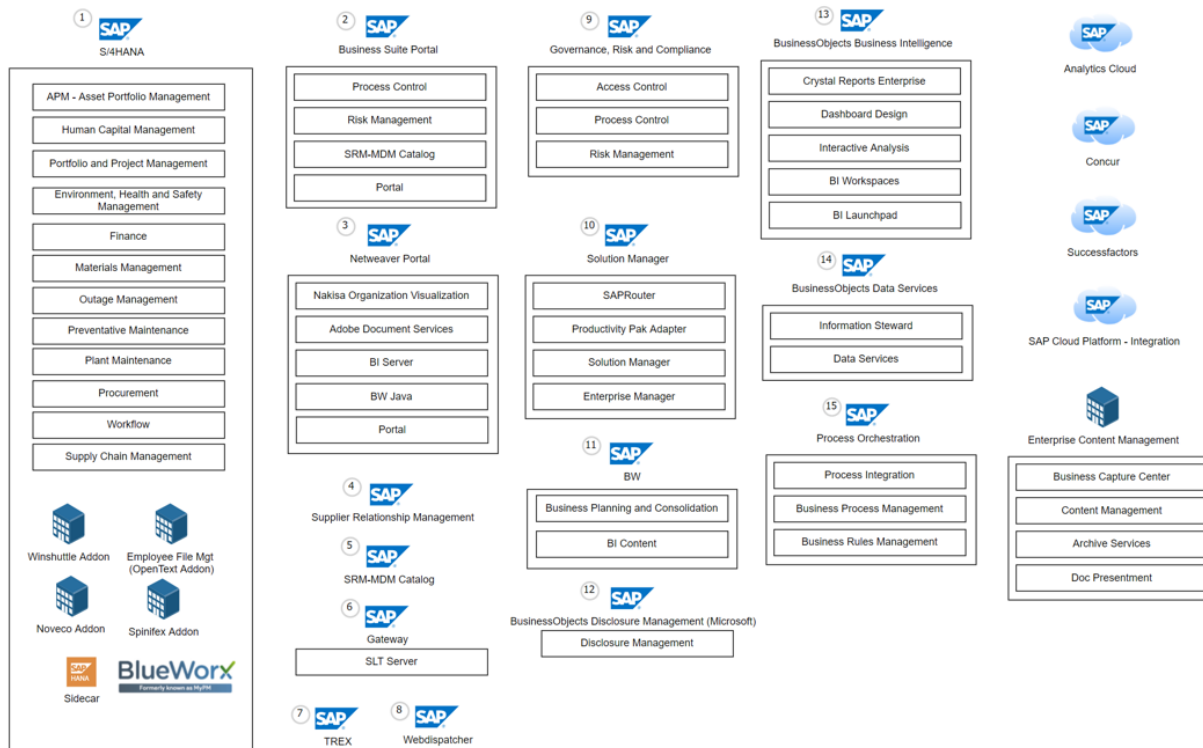


We design and install technology that significantly reduces diesel use and produces up to 100% renewable energy use.

- King Island Renewable Energy Integration Program
- Rottnest Island Water and Renewable Energy Nexus project
- Flinders Island Hybrid Energy Hub
- Coober Pedy Renewable Hybrid Project



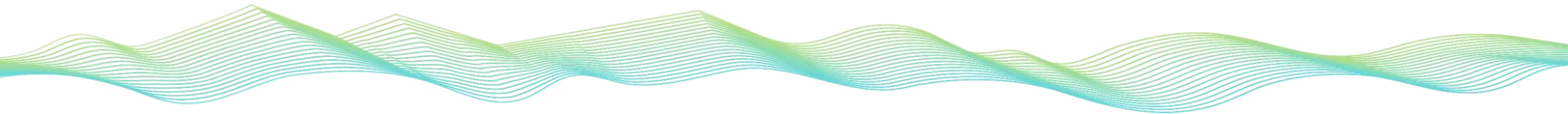
Our SAP Landscape



ECC 6.0 to S/4 Hana

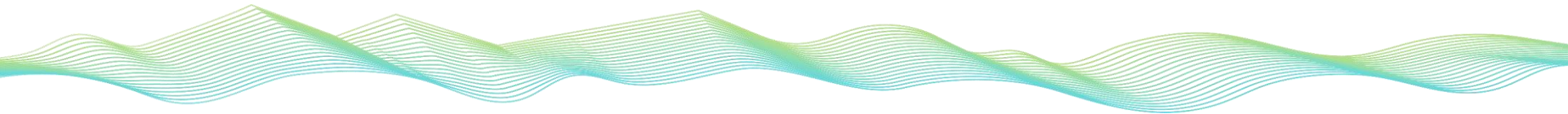


- Provide simplification and efficiency improvements for our users when using SAP S/4HANA
- Provide a seamless and uninterrupted user experience for our 1,200 employees who access SAP on a regular basis
- To simplify the Hydro SAP system landscape for both operational support and infrastructure teams
- Upgrading Hydro's SAP environment to the current SAP platform enabling Hydro Tasmania Group to leverage the ongoing improvements and developments that SAP deploy into the future.

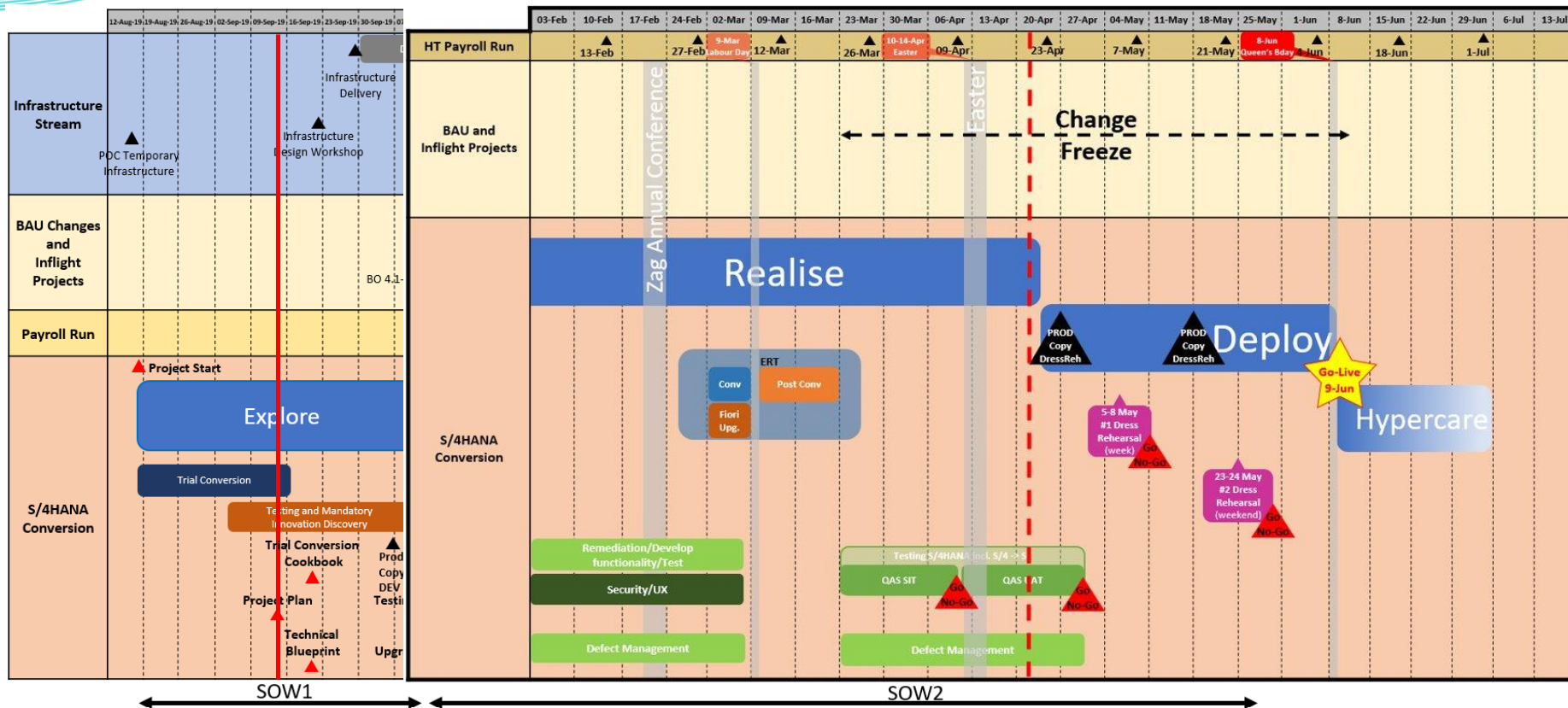


Picking the right Partner

- Development of a Detailed Project Plan and of an upgrade strategy that will minimise risk and effort for both parties
- Provision of tools and methodology for the S/4HANA upgrade
- Complete the Technical upgrade of ECC to S/4HANA
- Development of Test Strategy (System Integration test, User Acceptance, Regression Test and Performance Test), including defect resolution
- Identify and implement S/4HANA process simplification where applicable · Development of technical and functional support documentation, including system architecture
- Comprehensive knowledge transfer to Hydro SAP Delivery Team for ongoing support



Project Timeline

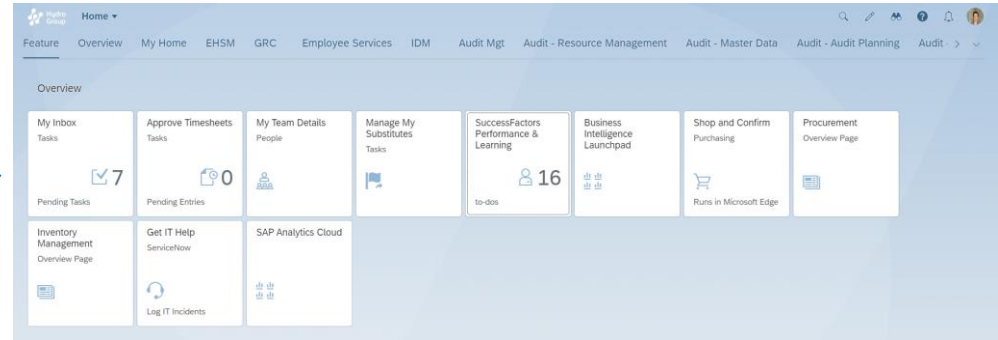
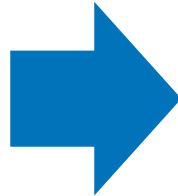
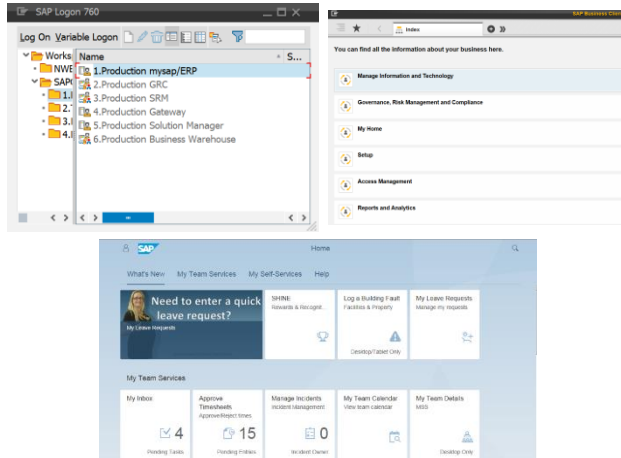


Pivot for success

- The Project team pivoted in March/April 2020 to be fully remote team
- Additional effort was committed to dress rehearsal processes
- Dress Rehearsals contributed to a comprehensive Cut Over plan
- Cut Over plan was continually refined
- Shared Coordination during Cut Over ensured all resources were well informed and knew when they were required to complete their tasks
- Successful Go-Live pre EOFY
- Successful EOFY processing

Simplification

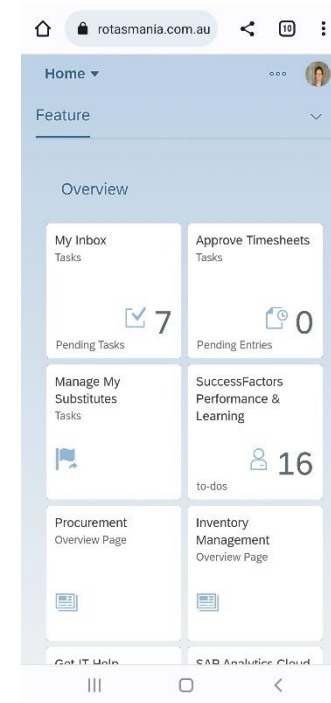
- One entry point for Employees to all SAP functions – SAP LaunchPad



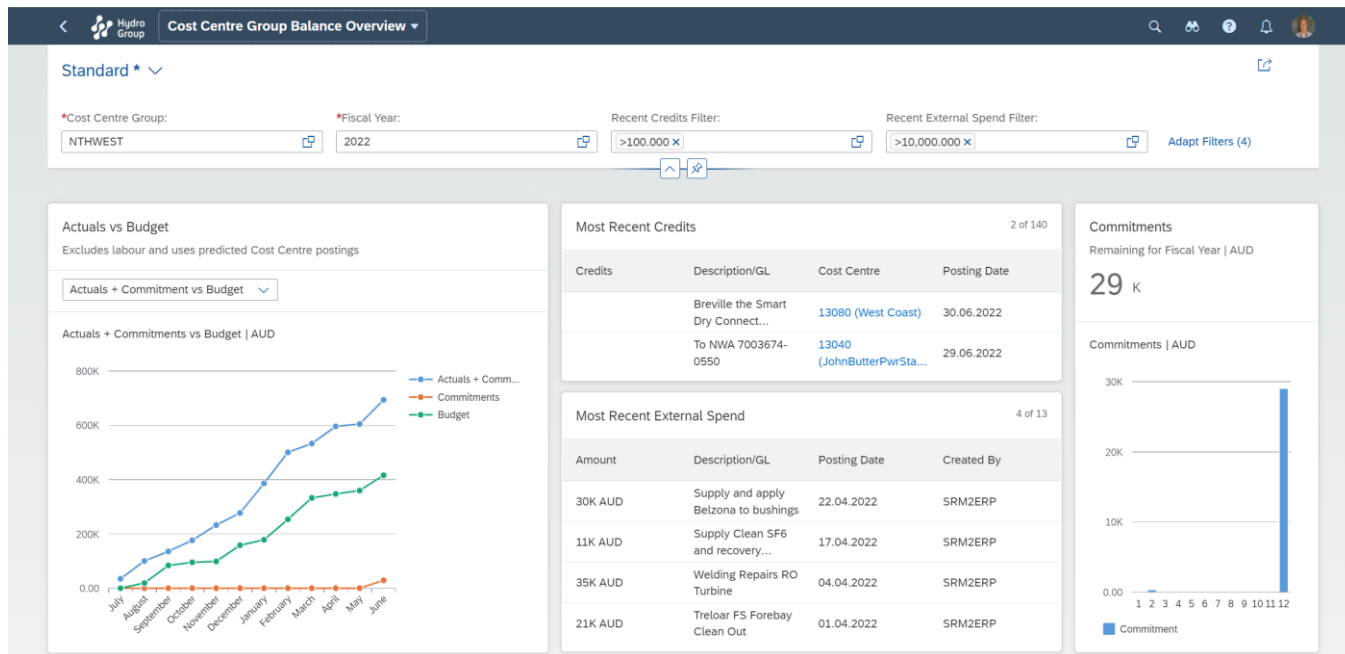
- Simplification of SAP Landscape, removing dependencies on Gateway

Enablement

- Enabled External facing SAP access
 - Access to SAP functions via mobile and home
 - Common Apps available, timesheets, leave, inbox
 - Requires SSO and MFA to ensure secure login



Enablement



Provide Live/Real-Time Actuals (with simulated settlement) vs Budget Information – Overview Page

Enablement



Standard * ▾

Adapt Filters (2)

*Cost Centre Group:

NORTH

*Fiscal Year:

2021

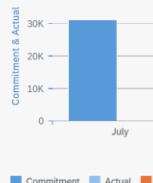
Cost Centre:

Actual + Commitment vs Budget ▾

Details View By

Fiscal Period

40K — 30K — 20K — 10K — 0 — July — 2



Purchase Order Commitment List ▾

Cost Centre	Purchase Order	PO Line Item	Vendor	Requisitioner	G/L Account
13300 (Mersey Forth)	4410049126	10 (Gowrie Park Workshop Jib Crane Design)	Pitt & Sherry Operations Pty Ltd (101238)		605300 (Contracted)
13010 (Mackintosh PwrStatn)	4410049328	10 (Install storm water pits & divert water)	CRF Contracting - Consulting P/L (101482)		605300 (Contracted)
13280 (Paloona PwrStation)	4410049849	10 (Paloona replacement Unit HMI)	Advantech Australia Pty Ltd (102153)		620000 (Materials)
13470 (Poatina Trevallyn)					

Project Spend ▾

Cost Centre	Project	WBS	Budget Difference	Actual
13300 (Mersey Forth)	Operations - Mersey Forth FYE20 (H-0101536)	Standard Overheads - Time&Expenses (H-0101536-06-80)	AUD	11,791.89 AUD
13400 (Poatina PwrStatn)	Operations - Mersey Forth FYE20 (H-0101536)	Mersey Forth- Specific Overhead Numbers (H-0101536-06-90)	AUD	10,309.55 AUD

Cost Centre/GL Breakdo

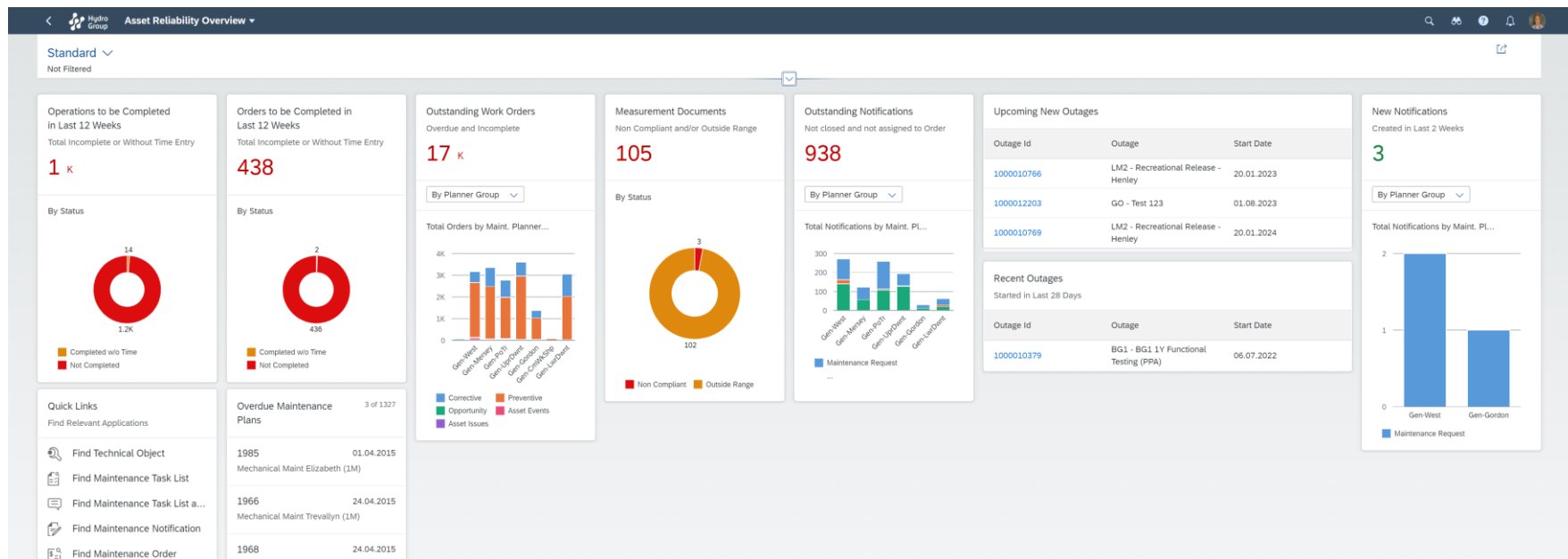
Cost Centre
> Cost Centre: 13010
> Cost Centre: 13080
> Cost Centre: 13200
> Cost Centre: 13210
> Cost Centre: 13230
> Cost Centre: 13280
> Cost Centre: 13300

Order Spend ▾

Cost Centre	Order	Actual
Cost Centre: 13010		
13010 (Mackintosh PwrStatn)	Install Drainage Grate in Carpark (70053219)	0.00 AUD
> Cost Centre: 13080		0.00 AUD
> Cost Centre: 13200		-21.00 AUD
> Cost Centre: 13210		215.02 AUD

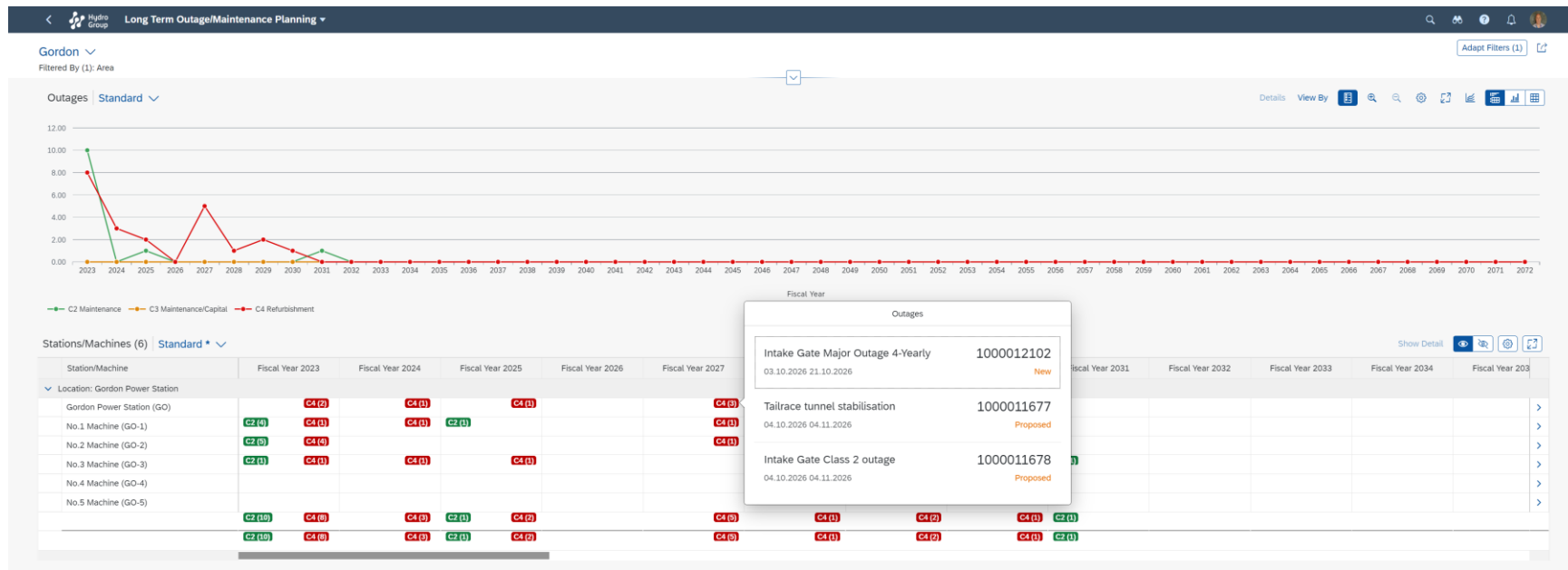
Drill Down to Further Details (Again – Live Data using Analytical List Page)

Enablement



Asset Reliability Overview Page (all with List Pages with drill down capability)

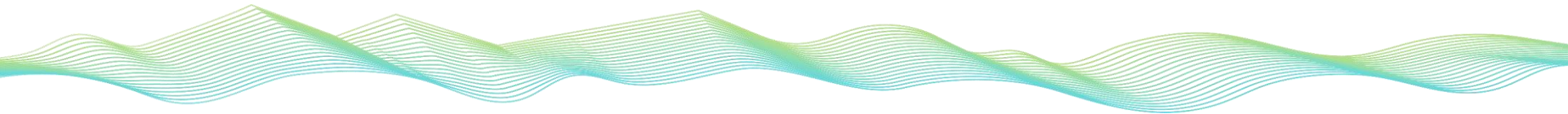
Enablement



Long Term Outage Planning (50 Years) – Analytical List Page

What's Next

- Developing an SAP Roadmap (next 3-5 years)
- Developing Hydro SAP Principles
- Upgrade of S/4 Hana
- Setup of an Innovation framework to leverage future S/4 opportunities
 - Overview Pages
 - CDS Views
 - Situation Handling



Questions?



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