

5 - 6 JUNE 2025

ROYAL PINES RESORT | GOLD COAST

The Power of the One Way Workflow:

How TasNetworks Transformed Maintenance Monitoring with SAP Signavio

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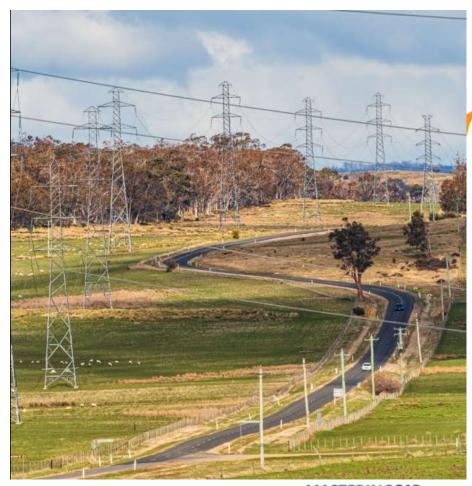




Flawless SAP implementations?

- TasNetworks is the electricity transmission and distribution utility in Tasmania
- First implemented a wholesale business transformation with SAP ECC in 2018
 - Included EAM, with MRS and Work Manager
- Notification and Work Order data content and their processes based on SAP 'Best Practices'







The business murmurings





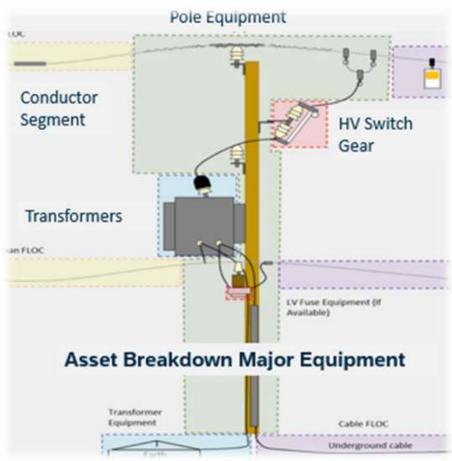


Flawless SAP implementations?

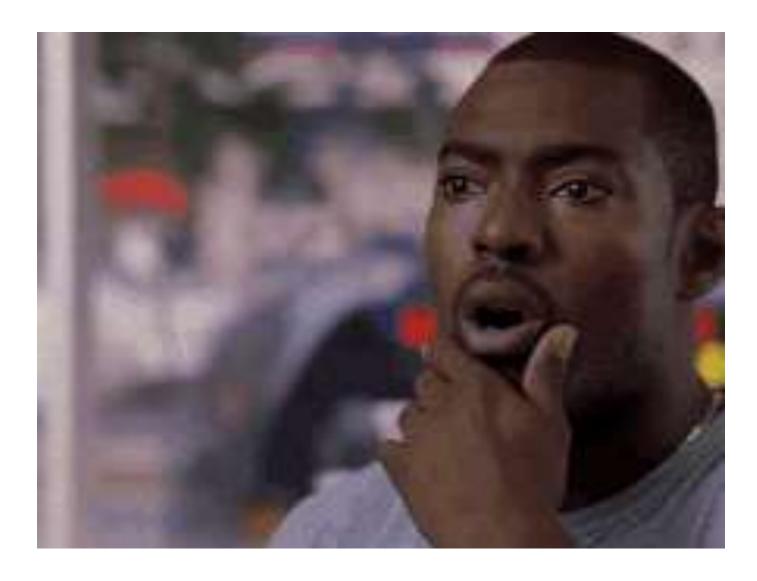
Engaged SAP to perform an audit on the EAM implementation



- Moved to S/4HANA 2022 (ON PREM) in 2023
- Between 2018 and 2025 there have been several changes in senior leadership, including significant organisational redesign across the EAM teams
- In 2022, it was recognised that perhaps works management business processes were not optimal and needed rework and data was out of control













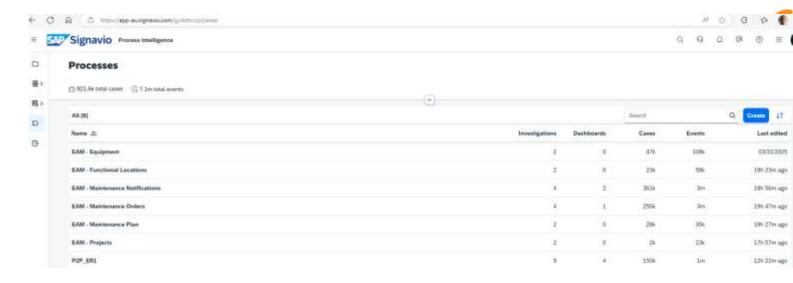


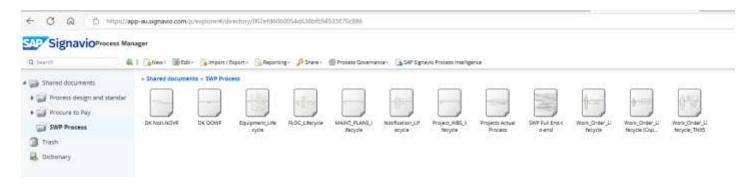




How are we using Signavio?

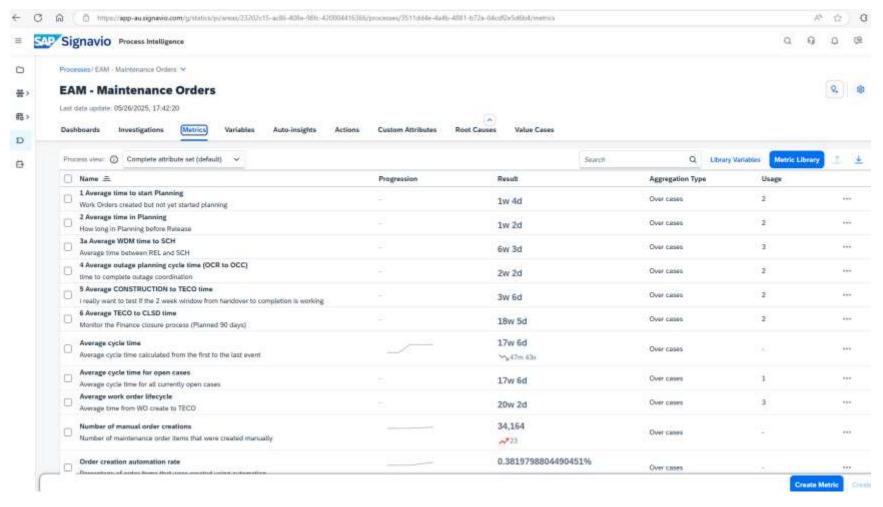
- Primarily used to track and monitor process throughput
- Dashboard key metrics
- Compare our process metric performance against other SAP users
- Measure against 'best practices'
- Already established across our Procure to Pay process







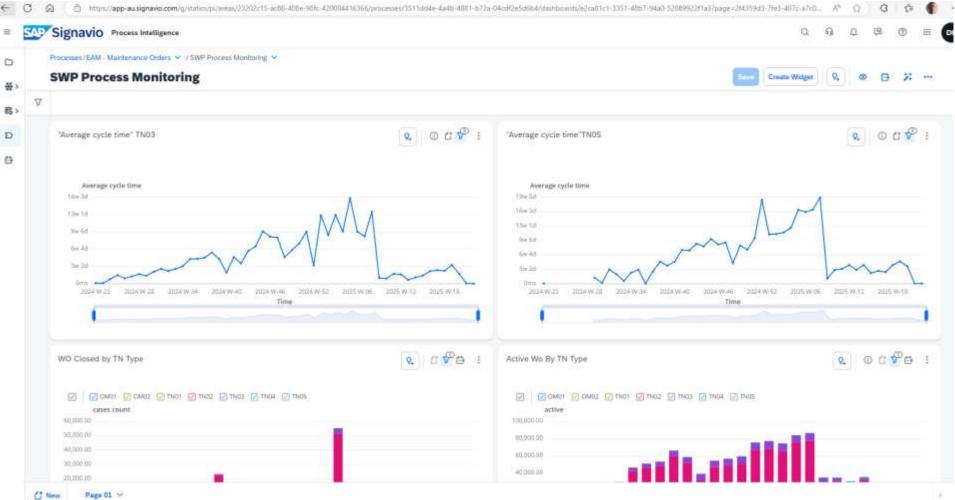
Signavio process metrics







Signavio process dashboarding







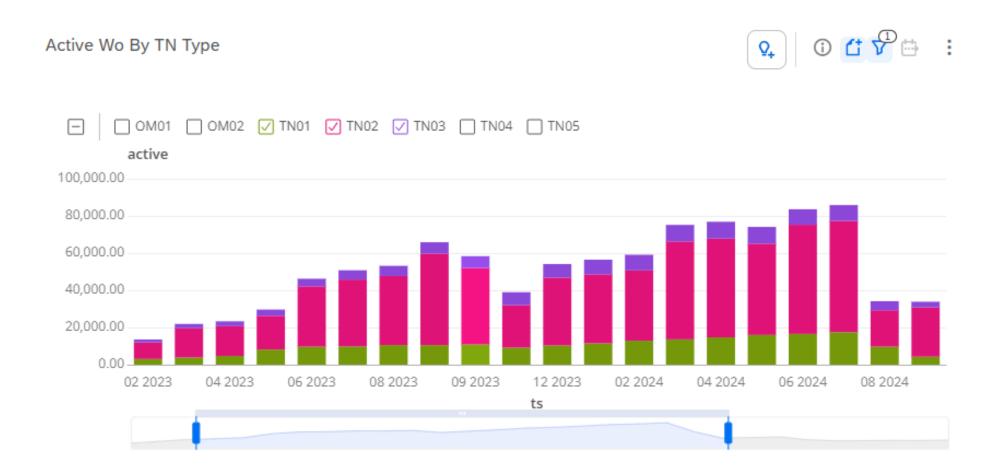








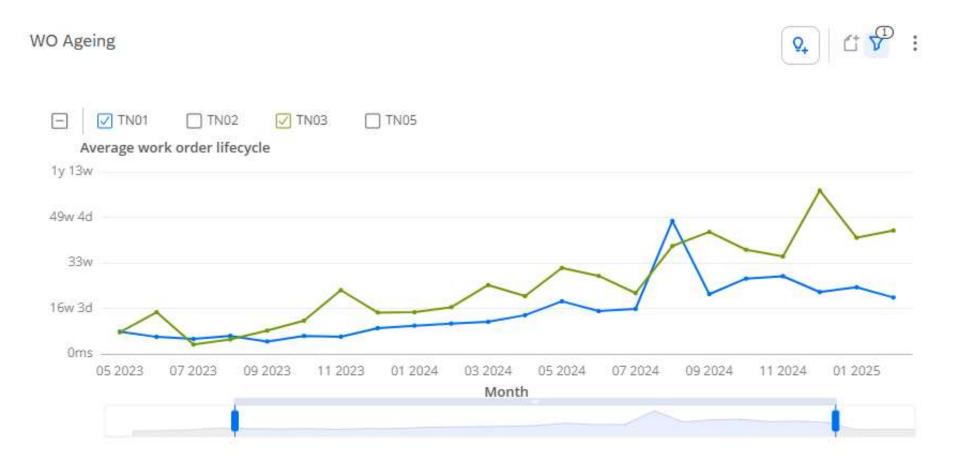
The data symptom





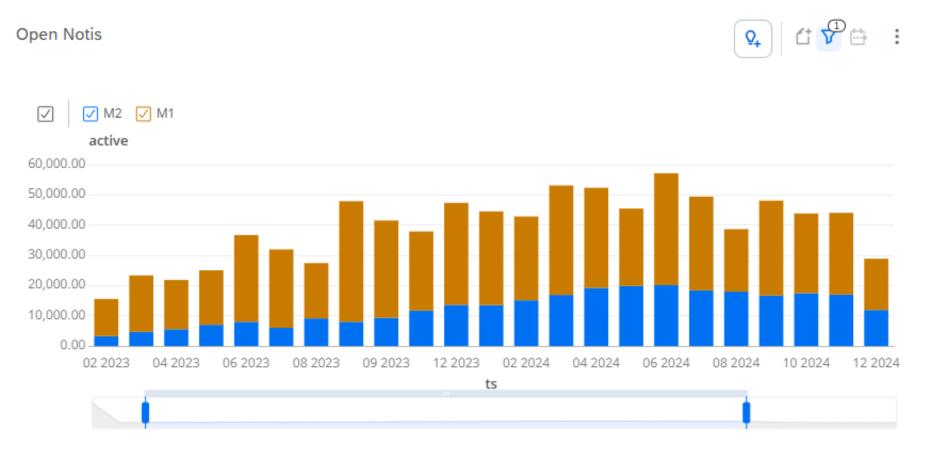


The data symptom





The data symptom



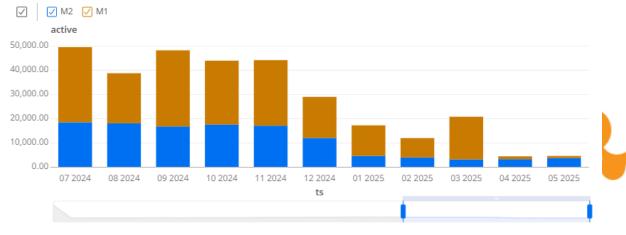


Actions taken

- Do a data cleanup!!!
- Create a new 'One Way Works Flow'
 - Based on LEAN thinking
 - 'Pull' work from Notification pool
 - Clear metrics and handoffs
 - Move Planners closer to field teams
- Develop a Works Management Standard
 - Defines the process, metrics, and data quality expectations
- Created a new 'simpler' Work Order' type (TN05)
 - Enable better bundling of work
 - Automated features
- Delivered a significant retraining effort





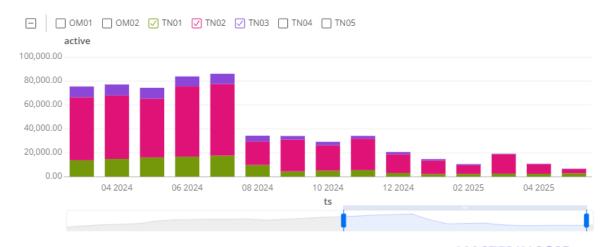






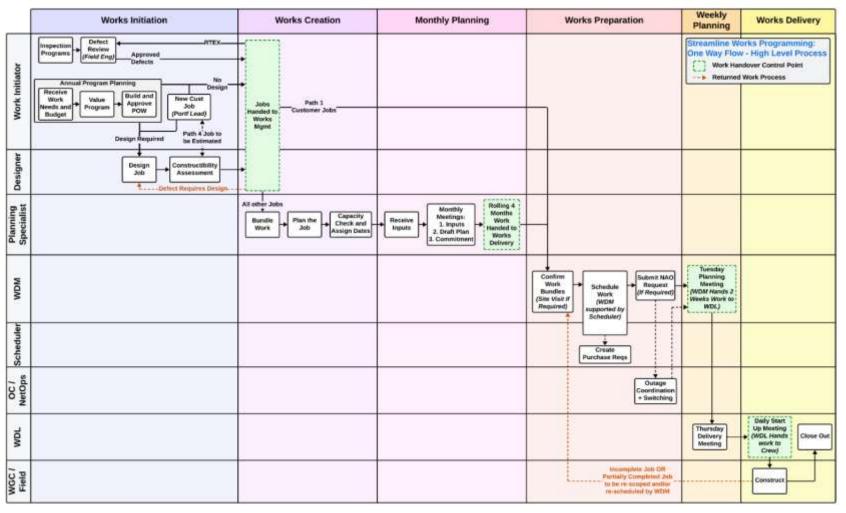








The 'One Way Flow'







Works Management Standard



Standard

Works Management Standard



Version Number: 1.07

Date: 14th November 2024

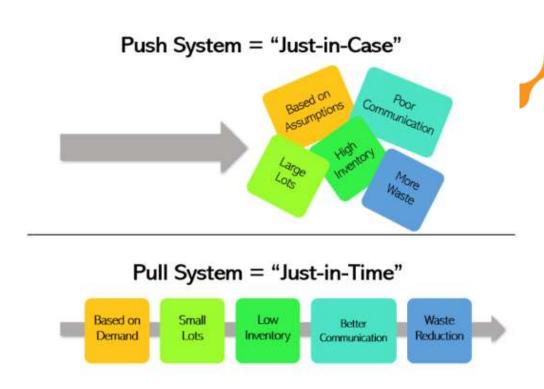
4.3	Work Order (WO)	23
	4.3.1 Which Work Order Type to Use	23
	4.3.2 Noti's on Work Orders	24
	4.3.3 Defining Work Order "size"	25
	4.3.4 Work Order Description (Short Text)*	27
	4.3.5 Long Text	27
	4.3.6 System Status	27
	4.3.7 User Status	27
	4.3.8 Planner Group*	30
	4.3.9 Main Work Centre*	30
	4.3.10 Person Responsible	30
	4.3.11 Priority	30
	4.3.12 PM Activity Type*	31
	4.3.13 System Condition	31
	4.3.14 Work Order Priority	32
	4.3.15 Basic Start and Finish Dates	32
	4.3.16 Revision	32
	4.3.17 Functional Location (FLOC)*	33
	4.3.18 Equipment	34
	4.3.19 Enhancement Date Tab	34
	4.3.20 Attachments	34
4.4	Works Process Statuses	35
	4.4.1 Valid Status and Planner Group combination	36
4.5	Operations on Work Orders	42
	4.5.1 How many operations do I need?	42
	4.5.2 Work Centre	42
	4.5.3 Control Key	43
	4.5.4 Standard Text Keys	44
	4.5.5 Operation Short Text (Description)	45
	4.5.6 Operation Long Text (Description)	46
	4.5.7 Resource requirements	47
	4.5.8 Functional Location	48
	4.5.9 Equipment	48
	4.5.10 Linked Noti's	48
	4.5.11 Work Breakdown Structure (WBS)	48

System Quick Reference Guides ✓ □ Name D1. QRG_How to Create M2 Defect Report Notification 02. QRG_How to Create M1 Service Request Notification 03. QRG_Customer Work_How to Create M1 Service Request Noti 04. QRG_How to create Design Work Order & Noti 05. QRG_ How to create a Shell Construction Work Order 06. QRG_How to create a TN05 Work Order with bundled Notis 07. QRG_All about Revision 08. QRG_How to use a Job Card 09. QRG_Who populates a Nao Creation Sheet 10 QRG_Who processes a Nao Creation Sheet 11. QRG_How to bulk update on Noti & Work Order 12. QRG_Noti Management within TN05 Work Order 13. QRG_When to confirm and return assigned operations - Field Crew 14. QRG_Roles and related Business Client Variants 15. QRG_How to close a TN05 Work Order 16. QRG_How to raise an external service request 17, QRG_Receipt an invoice for external services 18. QRG_How to Schedule within TN05 Work Order 19. QRG_How to Schedule in MRSS Planning Board



Moving Notis from 1 to 3&10 Year 'Priority'

- To 'assist' in Notification resolution, engineering teams applied 'risk based' practices and enabled new priorities
- In theory, 3 and 10 year notis should create a pool that can be 'pulled' from over time, making Order planning easier
- Automated the recommended 'action' to resolve a notification





Notification verification and automation (NOVR)

- Notification object part and symptom are matched with asset criticality (ABC Indicator) and a new 'condition score'... to determine a priority, the activity to be performed and financial categorisation (Functional Area)
- Automate the notification description generation

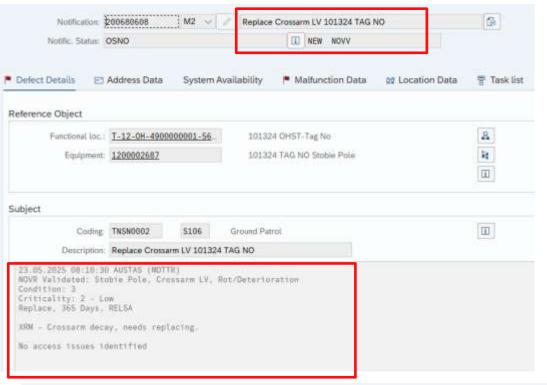
С	atalog Pr	ObPt	Symp.	AssetCrtct	CBM	Priority	AcCdGp	Code	Functional Area	
75	506	0333	S082	5	3	6	NOVR	TN01	REPOL	
75	506	0333	S082	5	4	7	NOVR	TN01	REPOL	
75	506	0333	S082	5	5	8	NOVR	TN04	REPOL	
75	506	0333	S085	1	1	1	NOVR	TN02	EMRES	
75	506	0333	S085	1	2	2	NOVR	TN02	EMRES	
75	506	0333	S085	1	3	6	NOVR	TN02	AROCO	
75	506	0333	S085	1	4	8	NOVR	TN04	AROCO	
75	506	0333	S085	1	5	8	NOVR	TN04	AROCO	



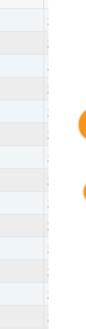


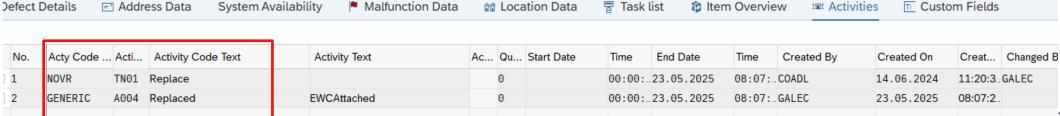


Notification verification and automation (NOVR)



Notification	Description	
200680608	Replace Crossarm LV 101324 TAG NO	
200680609	Restake Pole Lower 179943 TAG NO	
200680610	Repair Pole Lower 101322 TAG NO	
200680611	Restake Pole Lower 179944 TAG NO	
200680612	Low service	
200680613	Low service	
200680614	Reinspect Crossarm LV 238766 TAG NO	
200680617	Reinspect Pole Lower 179947 TAG NO	
200680618	Replace Pole stake 237420 TAG NO	
200680621	PVT Low service	
200680623	Reinspect Pole Lower 179945 TAG NO	
200680629	Restake Pole Lower 186264 TAG NO	
200680631	PVT Restake Pole Lower 220961 TAG NO	
200680633	Replace Crossarm LV 505023 TAG NO	

















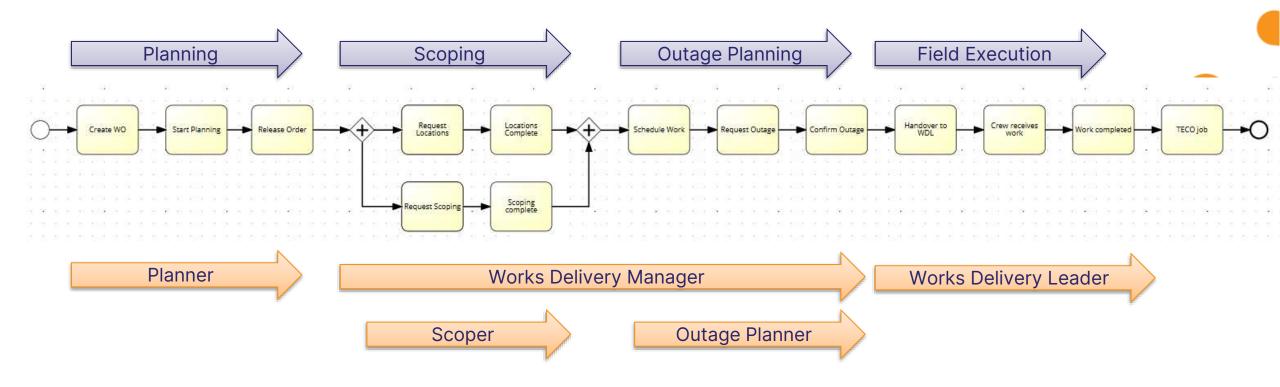
3 and 10 year Notis?

- The 'pool' of 3/10 year Notifications has not necessarily behaved any different to our existing 180/365 day Notifications
- Signavio is measuring the time to assign Notis to Work Orders
- If anything, the 10 year Notifications are being assigned to Orders quicker than other priorities





Measuring the new process and Order (TN05)













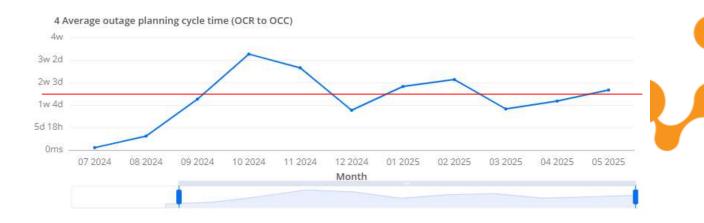


Signavio Metrics

Dasi	nboards I	nvestigations	Metrics	Actions	Custom Attribute
Pro	cess view: ①	Complete attrib			
	Name =		Result		
	the street of th	ne to start Plann created but not ye	1w 3d		
		ne in Planning lanning before R	1w 2d		
		DM time to SCH between REL and	6w 3d		
	(OCR to OCC	tage planning c) ete outage coord	2w 2d		
0	time i really want to	o test if the 2 weer to completion is	3w 6d		
0		CO to CLSD tim nance closure pro lays)	18	w 5d	

TN05 outage planning





Work Type WDM Processing time

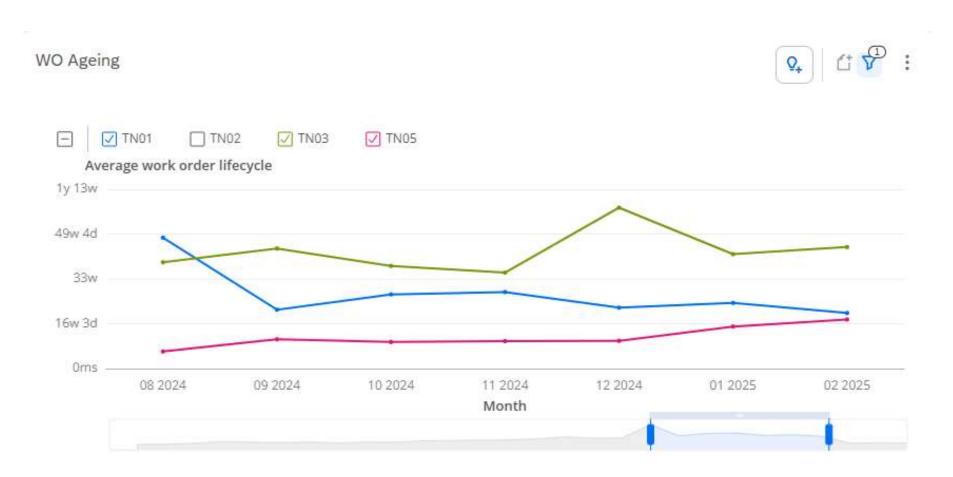








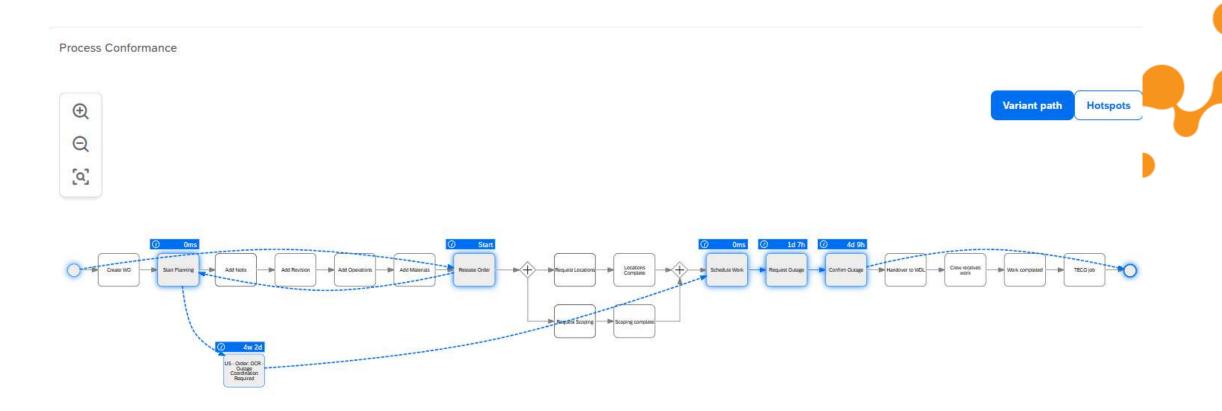
TN05 vs Older Orders







Investigating process outcomes







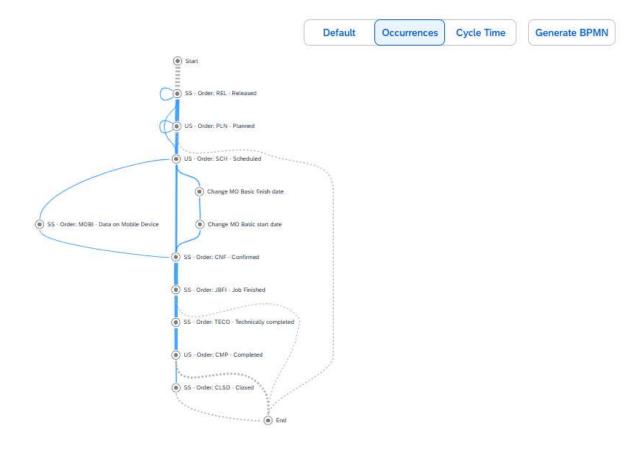
Investigating process outcomes

Variant Explorer





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Some lessons

- Be clear on your metrics!
 - Does your process have definition and consistency for measurement?
 - Does your data have appropriate content to enable accurate capture?
- Mapping Signavio data to processes is a lot like building a report
 - Only include what you need, its hard to filter it out later!
 - Be aware of multiple data objects being measured (eg Notis, Orders, WBS)





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