# Take Control of your Shutdown, Turnaround, or Outage Plan in the New Year

January 23<sup>rd</sup>, 2020

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## Prometheus Group

- Founded in 1998
- Headquartered in Raleigh, NC, USA
- 11 global offices
- Integrated and intuitive software
- Partnerships with industry leading companies







# Key Customers





## The Prometheus Platform





## The Timeline of an STO



# Scope Requests

Who?	What?	When?	Where?	Why?
Who enters scope requests? Is it open or restricted to a small group of users?	What type of information is captured? Does the information allow intelligent business decisions to be made?	When are scope requests accepted? Does anything change after the 'Scope Freeze?' How are requests handled during execution?	Where do users go to create a scope request? Where do scope requests end up, and where does approval occur?	Is scope justification captured? If a request is made after freeze, are we investigating why for future improvement?

## Scope Freeze

- How far before execution does scope freeze occur?
- Does Scope Request approval process change after Scope Freeze?
- Is there clearly defined criteria for justification and qualification?



## System Communication & Integration



- Is the communication between planning, scheduling, and execution automated?
- Bi-directional?
- Where do scope requests/worklist items originate?
- Do systematic status updates occur?

#### **Interactive Session**

## Work Planning & Preparation

- Are you heavily utilizing Task Lists, Templates, BOMs?
  - Where do these come from?
- Do you have communication with your Material Master database?
- What level of estimation and calculation takes place to justify scope requests?
- How is risk assessed and evaluated?
  - Does risk and cost come into play with this justification?



# Roser ConSys

# Roser | Planning from Job Templates



# Roser | Work Preparation

	Work preparation - Roser Systems	- 0 ×
A MGW - Manhole Guard	Add V Delete Move Kename Default Open [2]	Show pdf preview

# Roser | Calculations & Estimations Library

Add calculation: 005 - BLINDING (M_MON) - [New]			×
Step 1200.71		Step	
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EA 0,09 10 15		Step	
EA 0.00 40 15	~		1

## Roser | Risk Assessment and Justification Factor

Scope Request Risk		×
🛠 Scope not frozen.		
Review and agree		
Risk is reviewed and agreed by:	▼ agreed date: ▼ MEI - Score	A
Risk matrix & J-Factor Details Notes	N.	
Risk matrix	J-Factor manual J-Factor REQUIRED Unmitic Review Review Review Consequence cost from plantdata Calculate with wizard	Unmitigated risk value manual (€)  Cost (€)  Mitiga  J-Fac



#### Material Procurement

- How does the system integrate with the Material Master database?
- Are BOMs utilized when planning materials?
- How do we effectively identify material conflicts delivery and availability conflicts and issues?
  - "Management by Exception"
- Are we 100% confident all materials are staged/kitted for the shutdown when due?



#### **Interactive Session**

# Scheduling

"Setting a goal is not the main thing. It is deciding how you will go about achieving it and staying with that plan."

- Tom Landry

#### DSHICKEL Weekly Scheduling DSHICKEL Display

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	Description	Monday	Tuesday	Wednesday	Thursday
V		2020-01-20	2020-01-21	2020-01-22	2020-01-2
0007060490	Replace Electric Pump Motor	23_MECH			
0010	Lockout/Tagout pump	Der	ek Shickel		
0020	Remove Motor				
0030	Replace Motor				
0040	Test and return to service		<b>c</b>	oleen Dixon	
0007060497	Valve Casing Repair	23	_месн		
0010	Lockout/tagout valve				
0020	Obtain hot work permit		Derek !	Shickel	
030	Disassemble valve		Na Na	ithan Dane	
10	Weld damaged casing compone		*		
	Reassemble and bring online			1	
498	Valve Leak Repair	23_INST			
	Insepect Valve for Leaks per SOV				
	Seal where applicable				
	Test and monitor				
	Pull Pump				
	o Valve Replacement		23_N	іесн	
	n Permits				
	Valve			Na	athan Dane
	•	•			
	$\uparrow$	2020-01-20	2020-01-21	2020-01-22	2020-01-2
	A	17 / 40	33 / 40	32 / 40	16 /
		12 / 40	8 / 40	26 / 32	24 /
		16 / 48	8 / 48	34 / 48	46 /
		12 / 40	47 / 40	27 / 40	29 /

#### Execution

- How can your execution team easily provide input and status updates?
- What's the best way to create an execution workflow that will ensure proper and prompt team communication?
- What's the most effective way to manage contractor executed work?



#### **Interactive Session**

## Questions?



Jarrad Huby – Sr. Sales Engineer Derek Shickel – Functional Consultant