



MBE™

Manage by Exception



Manage by Exception (MBE) – A smarter way to manage your operations

There is no alternative to experience but there is a limit on how much data one person can monitor. Petrolink has developed the Manage by Exception (MBE) smart alerts solution that allows you to scale up drilling operations efficiently and monitor and send real-time alerts to selected personnel. The system incorporates real-time surveillance of drilling data and generates smart alerts to detect and notify you of potentially dangerous trends. Here are a few examples used by our clients:

- Gains in Trip Tank or Active Pits.
- Mechanical stuck pipe
- Washouts

This means that you can take preventative action supported by the most up-to-date data.

Alerts when and where you need them

Throughout the process of well drilling, issues can slow down operations leading to non-productive time (NPT). Your team have numerous wells that always need to be monitored. Paying attention to 500+ channels can be unmanageable for even the most experienced engineers, and reliance on mudlogging crew is often constrained by workload or fatigue.

MBE is the next generation alerting system designed to increase the user's effectiveness by prioritizing the alerts received. The system allows the users to set-up rules to constantly monitor a specified condition and then enables the user to select and prioritize the resulting alerts they wish to receive, reducing alert overload.

The screenshot displays the PetroVue Alert Status interface. At the top, there are navigation tabs for 'ALERTS', 'RULES', and 'AUDIT'. Below the navigation is a search bar and a 'Historical Mode' toggle. The main area contains a table of alerts with columns for Name, Well, Wellbore, # of Instances, Severity, Eval Time, Event Time, Domain, Acknowledged at, Acknowledge..., Snoozed by, and Status. The table lists several alerts, including 'ROP Exceeded Threshold' (Medium severity) and 'Gain in Trip Tank' (High severity). Below the table, there is a 'COMMENTS' section with a text input field and a 'Post comment' button.

Name	Well	Wellbore	# of Instances	Severity	Eval Time	Event Time	Domain	Acknowledged at	Acknowledge...	Snoozed by	Status
ROP Exceeded Threshold	Petrolink 1	Drilling_Demo1	1	Medium	3/15/2020 11:01 AM	3/15/2020 11:00 AM	ProductDemo	3/15/2020 11:16 AM	chackoa		Raised ACK
Gain in Trip Tank 1	Petrolink 1	Drilling_Demo1	1	High	3/15/2020 11:07 AM	3/15/2020 11:07 AM	Production	3/15/2020 11:48 AM	chackoa		Raised ACK
Gain in Trip Tank 3	Petrolink 1	Drilling_Demo1	1	High	3/15/2020 11:08 AM	3/15/2020 11:08 AM	Production	3/15/2020 11:13 AM	chackoa		Raised ACK
Onshore - Drilling Break	Petrolink 1	Drilling_Demo1	1	Medium	3/15/2020 11:15 AM	3/15/2020 11:15 AM	ProductDemo				Raised ACK
Gain in Trip Tank 2	Petrolink 1	Drilling_Demo1	1	High	3/15/2020 11:17 AM	3/15/2020 11:17 AM	Production	3/15/2020 11:33 AM	chackoa	chackoa	Raised ACK
Gain in Trip Tank 3	Petrolink 1	Drilling_Demo1	1	High	3/15/2020 11:44 AM	3/15/2020 11:44 AM	Production	3/15/2020 11:48 AM	chackoa		Raised ACK
Gain in Trip Tank 1	Petrolink 1	Drilling_Demo2	1	High	3/15/2020 11:44 AM	3/15/2020 11:44 AM	Production				Raised
Gain in Trip Tank 2	Petrolink 1	Drilling_Demo2	1	High	3/15/2020 11:48 AM	3/15/2020 11:47 AM	Production				Raised

Well Name: Petrolink 1
Wellbore Name: Drilling_Demo2

COMMENTS

Could we evaluate?

Post comment

“Utilizing the alert system allowed us to be more hands-off during the downtime (e.g.: off bottom, drilling shale) so that we could be more focused during the critical times -drilling our reservoirs.”

Major Operator

Features

- Runs simple algorithms that leverage all your real-time data.
- Alerts specific personnel on the system and through use, false alarms are reduced.
- Provides sign up for notifications via our mobile app, email, or SMS.

Conditions in the oil and gas industry change fast. A live stream brings mission critical drilling alerts front and center, so you always know what is going on.

PetroVue | ALERTS | RULES | AUDIT

Audit Trail

Search by any field | Date Range: (3/14/2020 11:39 AM - 3/15/2020 11:39 AM '1)

71 Items | Export | Reset Filters

Type	Rig	Well	Wellbore	Rule Group Name	Rule Name	Alert Id	Principal	Timestamp	Status	Details
alertstatuschange	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	6da2c5d2-a80f-48d7-b17...	System	3/15/2020 11:39 AM	Success	
acknowledgement	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	6da2c5d2-a80f-48d7-b17...	System	3/15/2020 11:39 AM	Success	
alertcreate	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	6da2c5d2-a80f-48d7-b17...	System	3/15/2020 11:38 AM	Success	
alertstatuschange	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	38172f05-2340-4986-bfac...	System	3/15/2020 11:35 AM	Success	
acknowledgement	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	38172f05-2340-4986-bfac...	System	3/15/2020 11:35 AM	Success	
unsnoozed	Petrolink 1	Drilling_Demo1		Onshore - Gain in Trip Tan...	Onshore - Gain in Trip Tan...	fb180814-ba47-4375-ba1...	System	3/15/2020 11:35 AM	Success	
alertcreate	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	38172f05-2340-4986-bfac...	System	3/15/2020 11:35 AM	Success	
alertstatuschange	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	021b0556-fc45-4514-a81...	System	3/15/2020 11:33 AM	Success	
acknowledgement	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	021b0556-fc45-4514-a81...	System	3/15/2020 11:33 AM	Success	
snoozed	Petrolink 1	Drilling_Demo1		Onshore - Gain in Trip Tan...	Onshore - Gain in Trip Tan...	fb180814-ba47-4375-ba1...	chackoa	3/15/2020 11:33 AM	Success	
acknowledgement	Petrolink 1	Drilling_Demo1		Onshore - Gain in Trip Tan...	Onshore - Gain in Trip Tan...	fb180814-ba47-4375-ba1...	chackoa	3/15/2020 11:33 AM	Success	
alertcreate	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	021b0556-fc45-4514-a81...	System	3/15/2020 11:32 AM	Success	
ruleupdated	Petrolink 1	Drilling_Demo1		ROP Exceeded Threshold	ROP Exceeded Threshold		chackoa	3/15/2020 11:31 AM	Success	
rulestarted	Petrolink 1	Drilling_Demo1		ROP Exceeded Threshold	ROP Exceeded Threshold		chackoa	3/15/2020 11:31 AM	Success	
ruleupdated	Petrolink 1	Drilling_Demo1		ROP Exceeded Threshold	ROP Exceeded Threshold		chackoa	3/15/2020 11:31 AM	Success	
alertstatuschange	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	47e119bf-2499-4451-a21...	System	3/15/2020 11:29 AM	Success	
acknowledgement	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	47e119bf-2499-4451-a21...	System	3/15/2020 11:29 AM	Success	
alertcreate	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	47e119bf-2499-4451-a21...	System	3/15/2020 11:28 AM	Success	
alertstatuschange	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	4345cb4d-df00-4107-910...	System	3/15/2020 11:24 AM	Success	
acknowledgement	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	4345cb4d-df00-4107-910...	System	3/15/2020 11:24 AM	Success	
alertcreate	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	4345cb4d-df00-4107-910...	System	3/15/2020 11:23 AM	Success	
alertstatuschange	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	d46cbeb3-15d2-4162-690...	System	3/15/2020 11:22 AM	Success	
acknowledgement	Petrolink 1	Drilling_Demo1		Abnormal High Torque	Abnormal High Torque	d46cbeb3-15d2-4162-690...	System	3/15/2020 11:22 AM	Success	
comment	Petrolink 1	Drilling_Demo1		Onshore - Gain in Trip Tan...	Onshore - Gain in Trip Tan...	2192435b-c961-4c25-bf2...	chackoa	3/15/2020 11:22 AM	Success	

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Manage by Exception (MBE)



Alert
anywhere



Prioritize
easily



Simple
to get started



Export
historical alerts



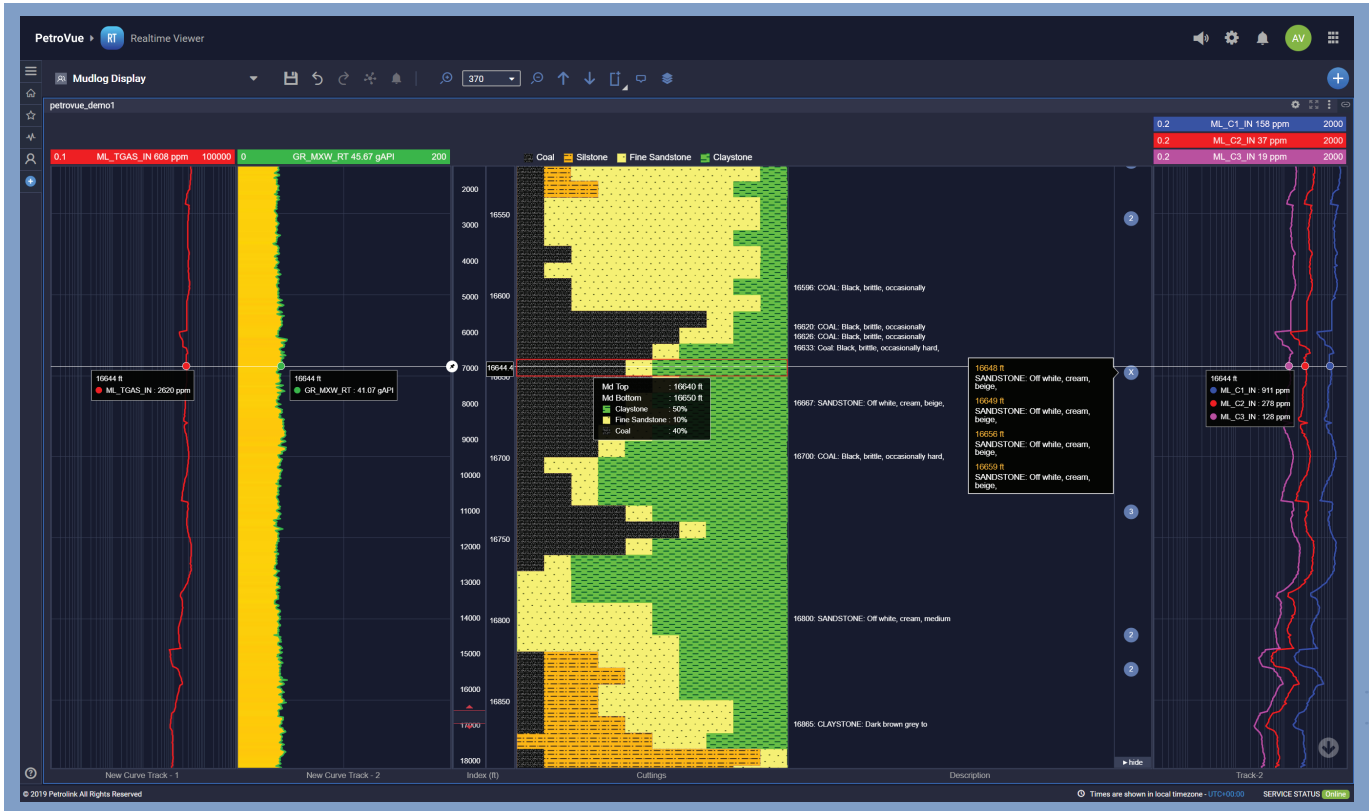
Track
changes



Monitor
anywhere

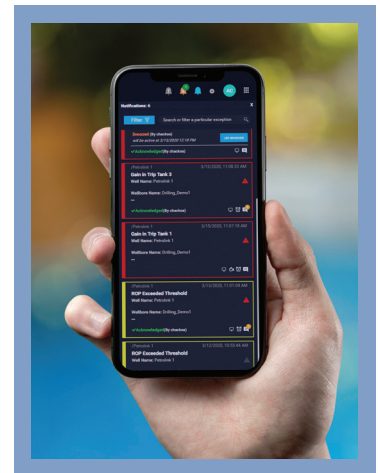
Benefits

- Allows you to pay attention to what is vital for the success of your well.
- Constantly monitors the condition of the rule and then raises only the resulting priority alert to exactly the right person, relieving alert overload and ensuring people are paying attention only to what is important.
- Built to supply critical alerting information to a global user base, MBE conducts condition monitoring of rig operations and drill string sensor data at the point of aggregation.



MBE is ready for mobile users

Alerts are distributed to all global users, are viewable to online users and sent via email and SMS text to out-of-office personnel.



Our team will work with you on custom development.
Contact Petrolink today for a quote or demo.
sales@petrolink.com