

ABB MOTION SERVICES

# ABB Ability™ Digital Powertrain

## What's new? PT13 (PI36)

### See topics

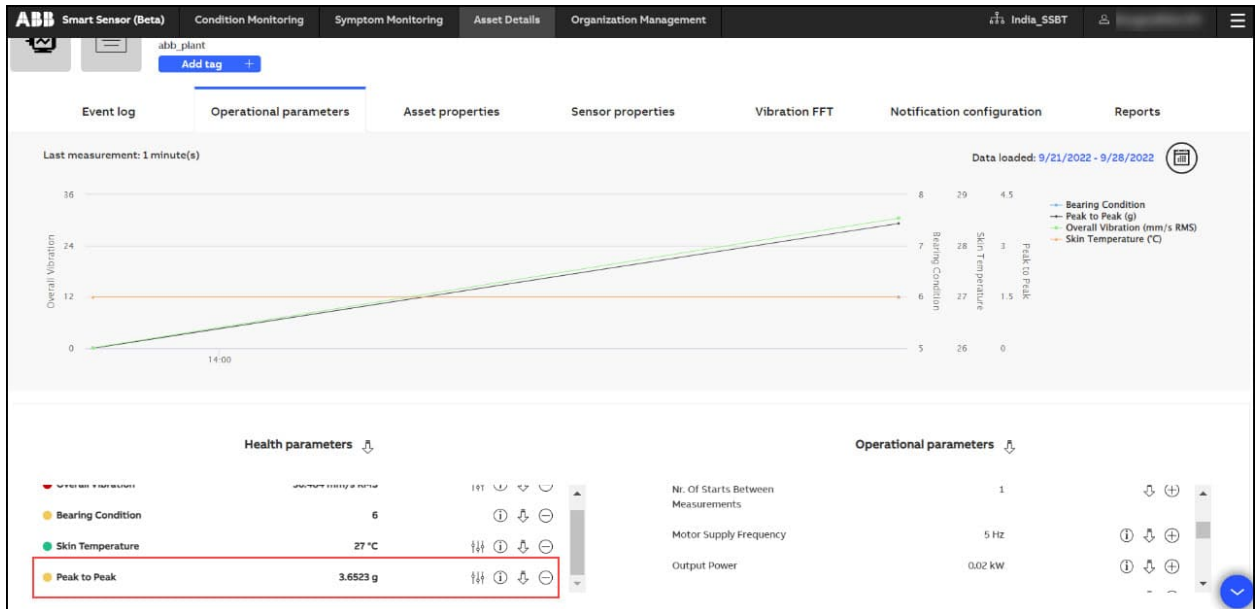
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# Enhancements for rotating equipment

## New Peak-to-Peak KPI as health parameter for motor profile

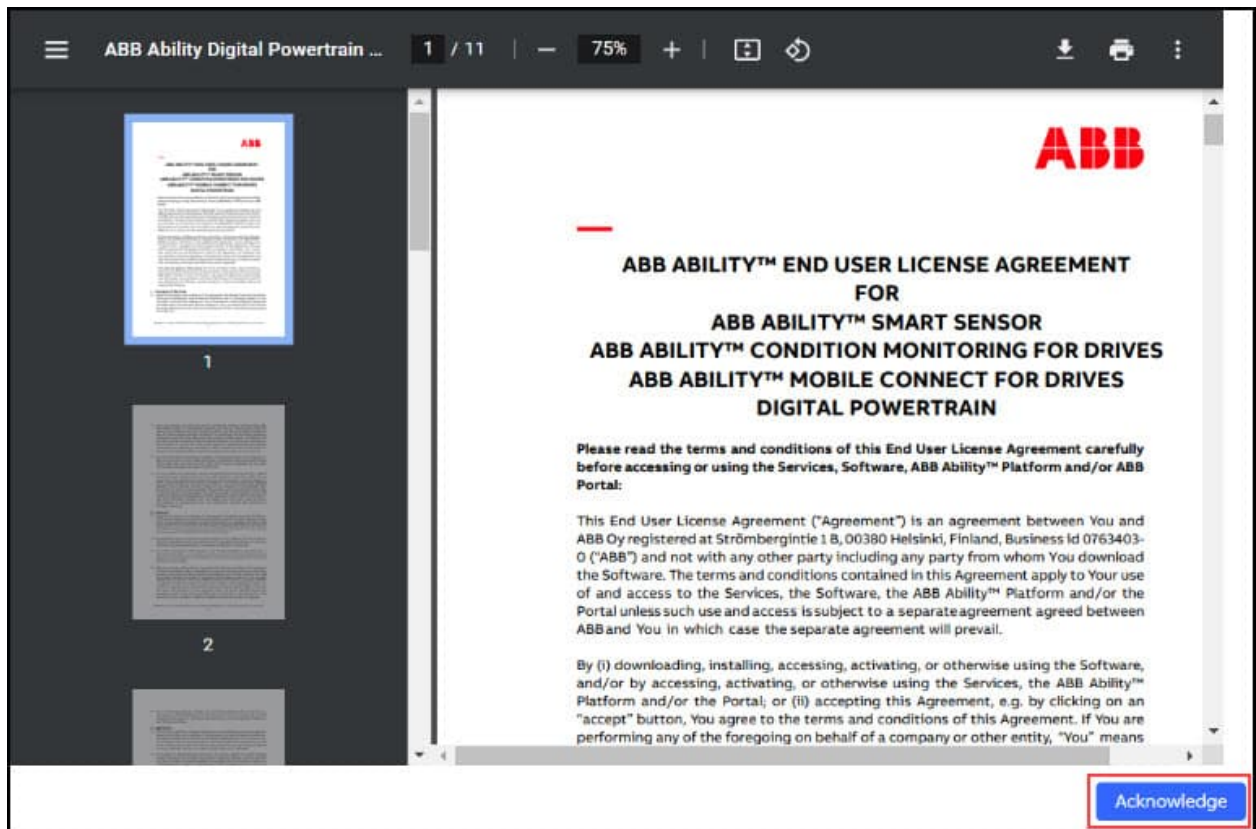
The motor profile includes a new health parameter **Peak to Peak** KPI to monitor the value-wise data of the bearing that can forecast its aging. The parameter is like the operational parameter **Peak to Peak (radial)** KPI. If this health parameter value exceeds the minimum or maximum limits, the user gets an alarm or Email notification.



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## Availability of EULA with acknowledge button for new users

When user enters the Smart Sensor portal for the first time, the End users license agreement (EULA) page appears. The user can read and click the **I acknowledge** button to proceed with using the portal pages. It is possible to download the page and read through it.



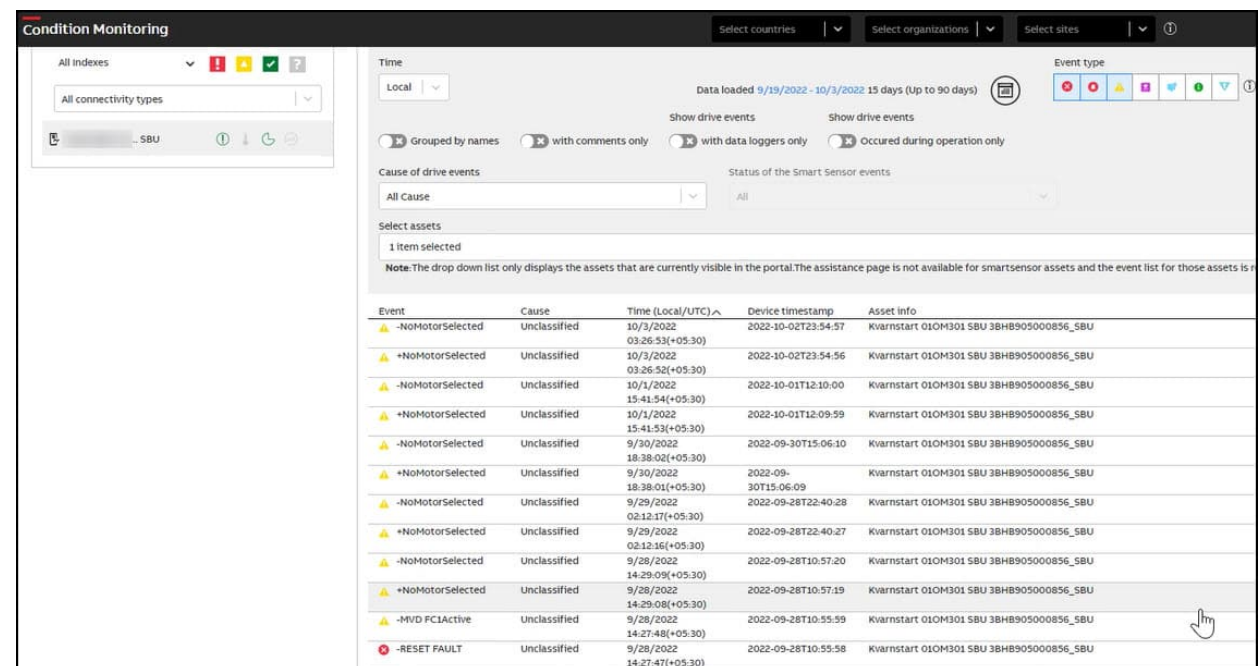
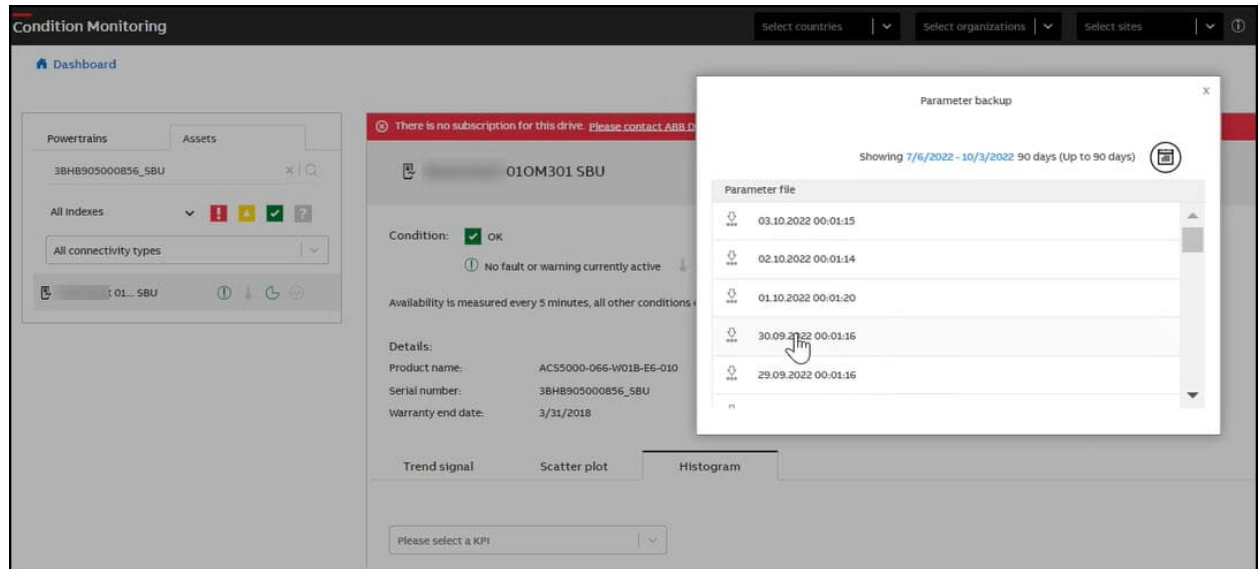
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# Enhancements for drives

## Drives with Synchronous bypass unit (SBU) support

The CMD portal supports the monitoring of drives connected to SBU. It monitors all drive parameters and events log (see in below sample screens).

The SBU is a cabinet connected to the drive for synchronizing the motor to the grid. In this application, the drive is used as a soft starter. When the SBU fails, it triggers the “**SBU fault**” event.



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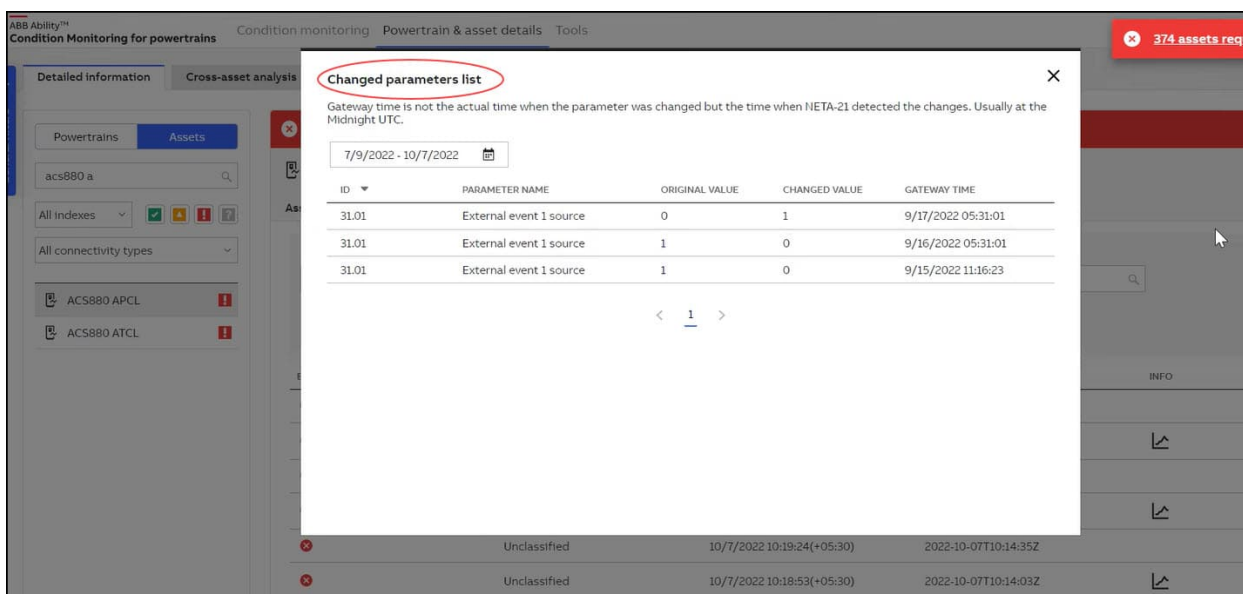
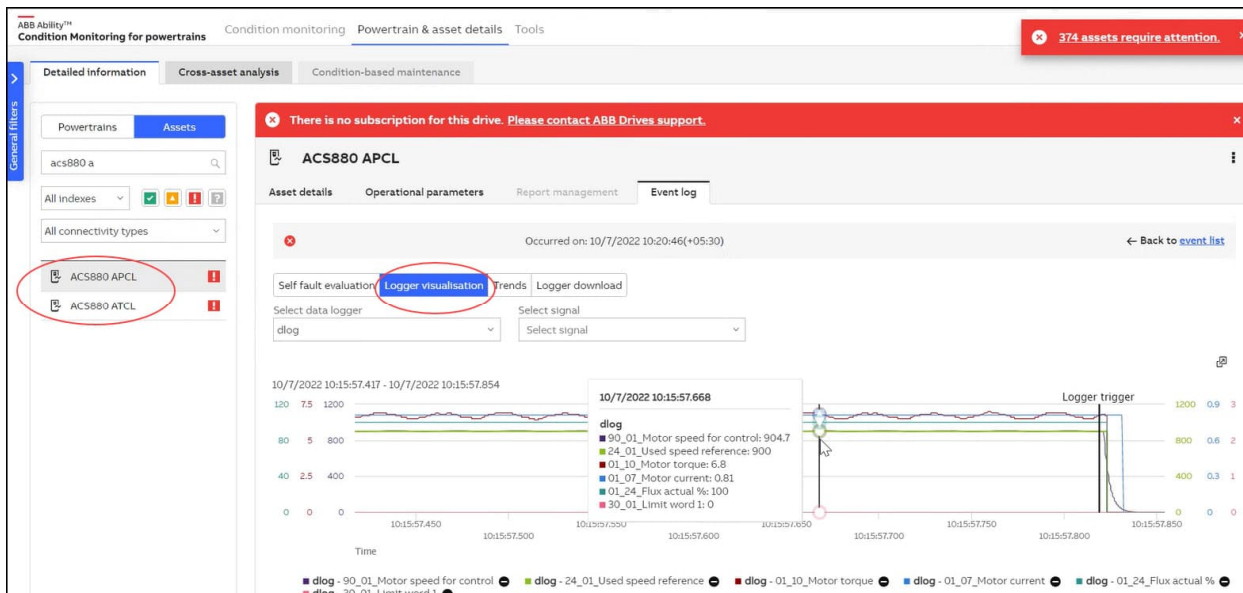
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## ACS880 drive applications support – crane control and position control

The below table shows the supported drive types and the applicable software names and packages:

Drive type	Application name	Software
ACS880	Tower crane control program (+N5650)	ATCLC
ACS880	Position control program (+N5700)	APCLC

The below screens show the example of different monitoring elements in the crane control or position control software.



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