ABB Ability™ Ellipse® APM 5.2
General availability from July 31, 2019

ABB is pleased to announce the latest release of ABB Ability Ellipse APM: version 5.2.

Building on successful deployments with millions of assets across four continents, and delivering significant savings to customers around the globe, Ellipse APM continues to deliver on the promise of digital transformation in asset performance management.

- Industry-leading asset performance models and visualization, embedding ABB’s 125+ years of experience in electrical assets, enabling users to hit the ground running in their APM implementation (on-premises and Cloud) to realize benefits rapidly
- A flexible open-model interface, providing users with the freedom to expand upon the strong foundation of standard models with their own (or third-party) model and visualization expertise without vendor dependency
- Comprehensive integration with data sources, such as OSIsoft® PI and work management systems, to collect the “right data at the right price,” and to seamlessly integrate analytical insights with work flows to “harvest” the benefits
- Short-term and long-term prioritization of maintenance and replacement needs
- Rule-based & machine learning analysis capabilities
- Lean access from the field as well as engineering analysis details
Ellipse APM 5.2 introduces the following enhancements:

1. ABB battery model: This model includes individual cell and charger condition evaluation, estimation of remaining life and other features. It has been successfully used in production for five years already (with version 2), and is now available in version 5 as well.
2. Compare to family: Supports top-down analysis of asset outliers, as well as bottom-up comparison of values to the asset’s “family” to assess whether values are normal.
3. Roger’s Ratio: Added the Roger’s Ratio evaluation to the transformer model, including a rotatable 3D visualization.
4. Thermal visualization: Added a new thermal visualization to the ABB Transformer model for historic evaluation of (over)loading and hot spot temperatures.
5. CO2/CO ratio: Added the CO2/CO ratio trend visualization to the ABB transformer model.
6. CB model configuration: Added client configuration options for the ABB circuit breaker model to allow expansion of model use without ABB release dependency.
7. Oil circuit breakers: Added tank loss index parameter to improve oil circuit breaker assessment.
8. TCO: Reduced total cost of ownership for smaller on-premises applications with a lighter installation model.
9. Modbus protocol: Added support for Modbus connections directly from sensor to Ellipse APM.
10. Replacement prioritization: Added configuration options and a detail visualization for the replacement prioritization feature.
11. Issues management: Improved the issue (action plan) workflow with more control for the user so that the action plan accurately reflects what is being done to address or mitigate risks.
12. Export to Microsoft® Excel®: Added export to Excel functionality for assets (all attributes).
13. Risk changes: Added a new dashboard highlighting risk changes in the past business day, week, month or year.

Several other enhancements are included, along with a comprehensive resolution of known bugs identified by customers and strict internal QA/QC processes related to testing each release.

We would like to thank our customer advisory board for their active participation in these enhancements, from providing feedback around priorities and the initial designs, to reviewing and fine-tuning the results.

With this release, we are showing the power of collaboration in our active user community, and we certainly look forward to our continued collaboration as we proceed with more enhancements planned for release 5.3 in the second half of this year.

Please contact us at CustomerCare.ES@abb.com for more information on release 5.2, or to try it out yourself!