

AGENDA

SEPT. 12

01

8:30 AM – 4:00 PM

- Opening Remarks
- Toshiba Partnership and EtaPRO 11
- Toshiba & EtaPRO Synergies
- Customer Presentations

5:30 PM *Welcome Reception*

SEPT. 13

02

8:30 AM – 1:00 PM

Workshops

- Exploring EtaPRO Archive
 - *This presentation highlights the EtaPRO platform for fast, efficient, and cost-effective data storage and retrieval using EtaPRO Archive. System components, operation, and example deployment strategies will be presented and discussed.*
- An Introduction to EtaPRO Predictor
 - *EtaPRO Predictor™ works with your existing EtaPRO System to automatically warn of specific fault types in rotating machinery, far earlier and in more detail than vibration protection systems or APR alone. Find out how in this comprehensive overview of key concepts and EtaPRO Predictor system components.*
- Hello World: EtaPRO Data Interfaces
 - *Why are some data points read more frequently than others? How do you safeguard your system against a single point of failure? What do you do to recover data following a communication breakdown? This session answers these questions along with a discussion of data interface buffering, redundancy, and local/remote deployment.*
- Supercharging Your M&D Program with EtaPRO Predictor
 - *If you're only looking at overall vibration in your M&D Center, you're missing out on what Predictor can tell you with the same sensor set analyzed in the frequency domain. Predictor matches highly developed vibration signatures with a machine's physical characteristics to detect and warn of specific machine faults. Hear about best practices and specific case studies presented by our in-house experts.*
- Preparing for the EtaPRO 11 Upgrade
 - *This new version of EtaPRO will be the first major release since EtaPRO became part of the Toshiba family. Our team has been hard at work to bring the EtaPRO platform forward to a new level of software technology. Learn about what you need to prepare for the latest upgrade.*
- De-Siloing Performance & Reliability
 - *Despite improvements with the advent of RMDC's, the power industry continues to silo performance and reliability teams. EtaPRO has inadvertently contributed to this split by targeting specific technologies at performance (VirtualPlant) and reliability (APR, Predictor). In this session, we take a fresh look at how best to apply ALL our technologies and expertise to help our customers achieve their desired performance and reliability outcomes.*

- Introduction to EtaPRO 11 Dashboard Builder
 - *The Dashboard Builder is the basis of the next generation of EtaPRO's graphical presentation layer. This session provides an overview of graphic components available now in the Dashboard Builder, guidelines for importing legacy Display Builder screens, and a preview of data visualization components envisioned for future releases. The existing Display Builder will continue to be part of EtaPRO 11, giving customers time to migrate existing displays.*

2:00 PM – 5:00 PM Country Music Hall of Fame Tour

SEPT. 14

8:30 AM – 4:00 PM

Workshops

- EtaPRO APR: Building Effective Asset Models
 - *EtaPRO APR is a powerful tool for detecting abnormal plant behavior but sustained success lies in understanding its capabilities and limitations. In this session, our expert will provide an overview of key concepts to apply when building asset models that can result in better and more reliable anomaly detection models.*
- EtaPRO Predictor System 1 Interface
 - *EtaPRO Predictor™ works with your existing EtaPRO System to automatically warn of specific fault types in rotating machinery, far earlier and in more detail than vibration protection systems or APR alone. Find out how in this comprehensive overview of key concepts and EtaPRO Predictor system components.*
- IEC 61724 Solar PV Calculation Templates in EtaPRO 11
 - *This session provides an introduction to the solar PV calculation templates available for the first time in EtaPRO 11. Calculations are based on IEC 61274 and include Performance Ratio, Normalized Efficiency, and Energy and Power Performance indices, among others. The templates include creation of associated EPAccumulator points in order to integrate performance over a given time period. Sunrise and sunset templates are also discussed.*
- VirtualPlant™ Table Top Thermal Audit – CCGT
 - *VirtualPlant provides a thermodynamically consistent model integrating major plant components such as gas and steam turbines, HRSG, condenser and cooling towers which can be used to quantify the impact of individual component degradation on overall plant heat rate and capacity. A table top thermal audit reconciles observed performance with design, revealing these impacts along the way.*
- VirtualPlant™ Table Top Thermal Audit – Rankine
 - *VirtualPlant provides a thermodynamically consistent model integrating major plant components such as boilers, steam turbines, feedwater heaters, pumps, and condenser which can be used to quantify the impact of individual component degradation on overall plant heat rate and capacity. A table top thermal audit reconciles observed performance with design, revealing these impacts along the way.*
- A Day in the Life of a Working RMDC
 - *Celebrating its 15th year of operation, find out how the EtaPRO Remote Monitoring & Diagnostic Center (RMDC) delivers year-over-year value to its customers with the right combination of people, processes and technology. Our experts will discuss day-to-day operations, what it takes to establish mutual respect and trust between parties. as well as how EtaPRO is collaborating with other Toshiba RMDC's in Australia and India.*
- Future of M&D
 - *Hear from practicing subject matter experts and thought leaders on the future of monitoring and diagnostics in the ever-evolving power generation industry.*

03