



TNCHE Asia 2025 Conference
" Accelerating Industrial Decarbonization:
Digital-AI and Energy Transformation "
Presenter's Biodata & Abstract



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Title of Presentation : EBARA ELLIOTT ENERGY MONITORING SOLUTION
FOR ROTATING MACHINERY



Presentation Abstract:



In recent years, various factories in the various market, including petrochemical plants, are experiencing the aging of rotating machinery and under pressure to address energy saving. Furthermore, a generational shift is occurring with the retirement of veteran engineers and their replacement by fewer less seasoned younger ones while they need to maintain and improve the aged assets reliability and efficiency. To address these challenges, monitoring systems have been developed and actively adopted data driven failure prediction algorithms. Most of the time, these systems do not take in equipment design and criteria.

As a rotating machinery OEM, we aim to build a remote monitoring service that incorporates equipment design information, the knowledge of designers, and the experience of operation and troubleshooting to support plant owners' challenges. Our ultimate goals are Improving Reliability, Safety, and Extending Continuous Operation.