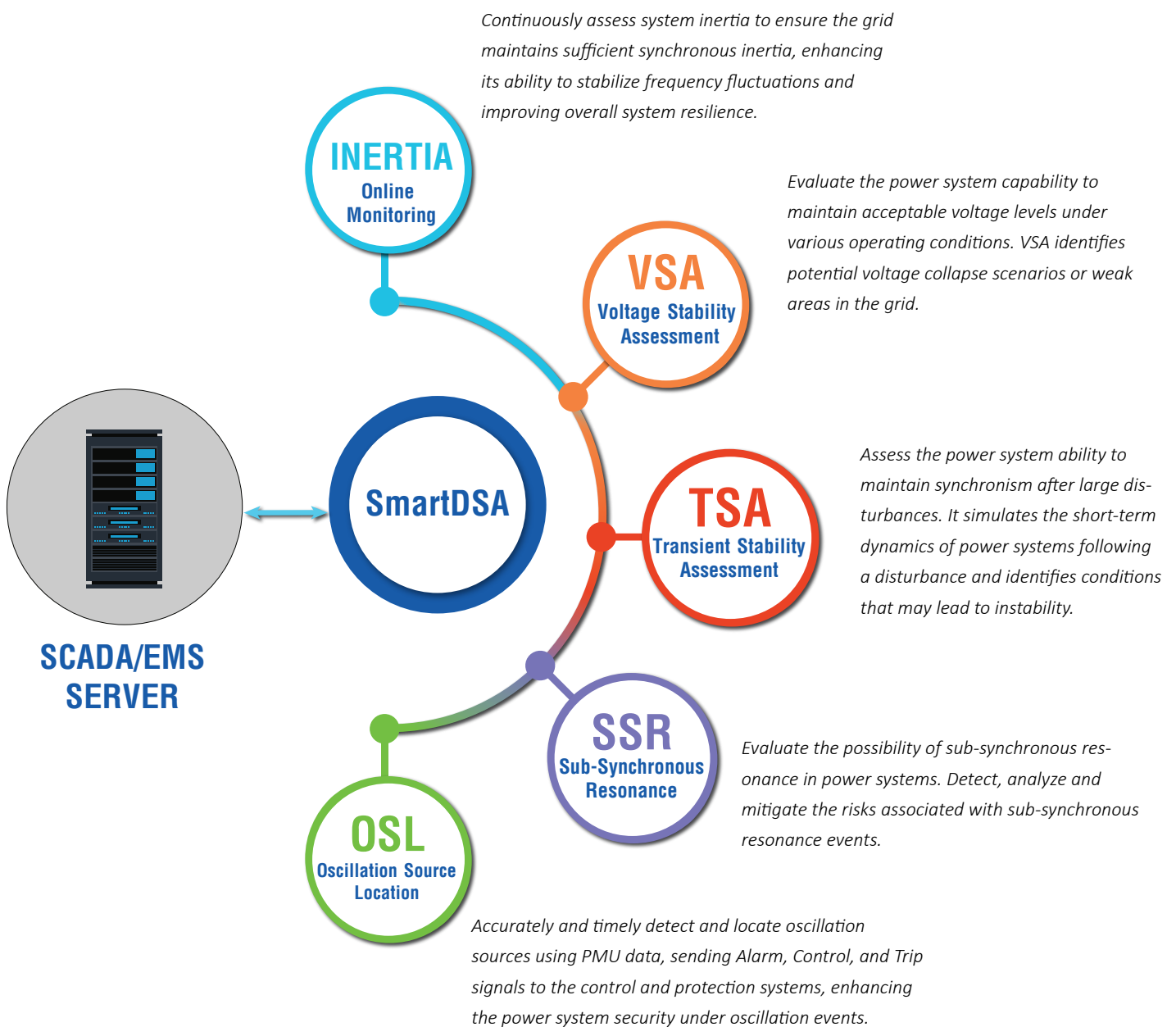


ATS SmartDSA provides an Online Dynamic Security Assessment solution, enabling real-time security analysis of power grids under current and anticipated operating conditions. Unlike traditional offline assessments, which are conducted periodically and based on forecasted data, Online DSA leverages real-time data to provide immediate actionable insights of the grid to operators. This empowers grid operators to manage, operate and dispatch power systems with enhanced flexibility while maintaining robust system security and stability.

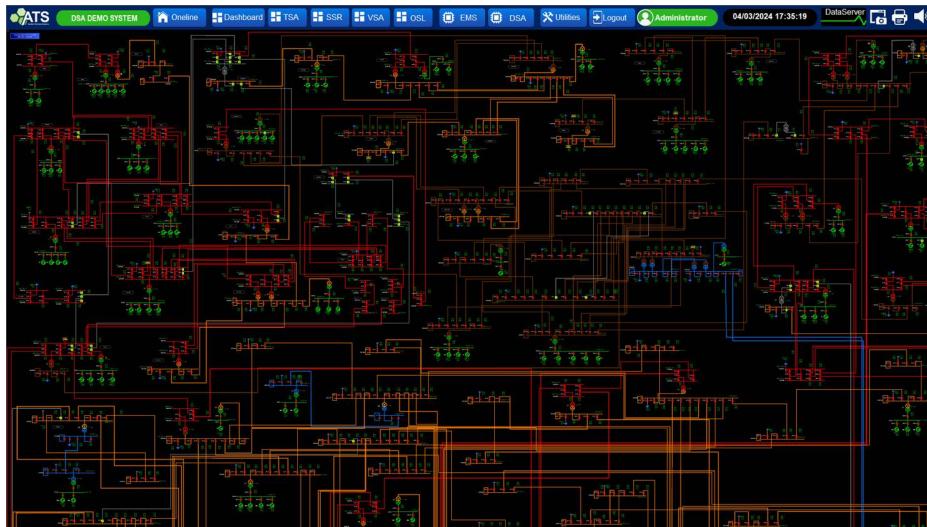
Enhance Power System Flexibility and Security with ATS SmartDSA



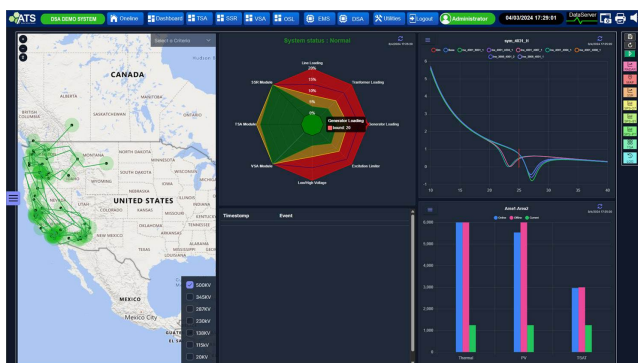
Supporting multiple protocols for seamless integration with SCADA/EMS IEC, C37.118, OPC UA, DNP3, Modbus, etc.

Enhance Power System Flexibility and Security with ATS SmartDSA

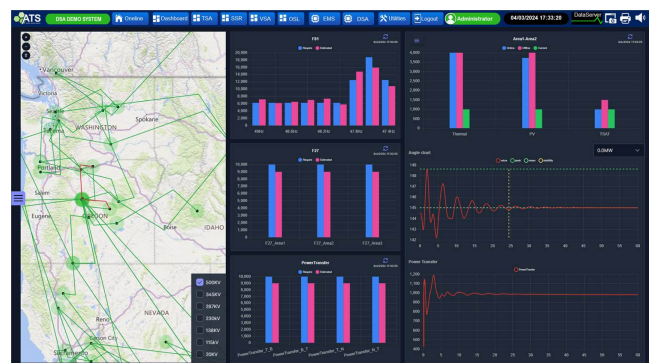
ATS SmartDSA has undergone intensive validation using the 240-bus WECC test grid, 39-bus IEEE test grid, and instability event data from multiple sources, including Transgrid in Australia, ISO-NE, operational wind farms, and simulated scenarios.



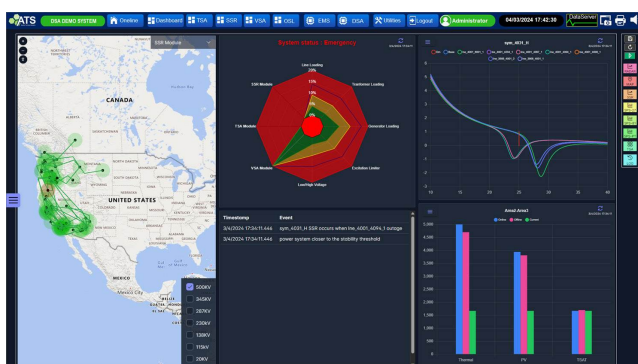
SmartDSA Validation with 240-bus WECC Test Grid



HMI with Radar Chart Dashboard



TSA - Transient Stability Assessment



SSR - Sub-synchronous Resonance



VSA - Voltage Stability Assessment



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