NASPI Working Meeting and Vendor Show

Continuous Point-On-Wave Measurement and Analytics for Modern Grid Behaviour

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By delivering high-performance measurement, RTL enables a more efficient and reliable power system.

Sales and project delivery teams

Trusted by...

NESO National Energy System Operator

NEW YORK STATE OF OPPORTUNITY. NYSERDA

New York ISO Independent System Operator

KAHRAMAA

نقل الكهرباء National Grid SA

TAQA Transmission

台灣電力公司 TAIWAN POWER COMPANY

AEMO

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What We Offer – in GridMetrix®

Direct Inertia Measurement

System Strength Measurement

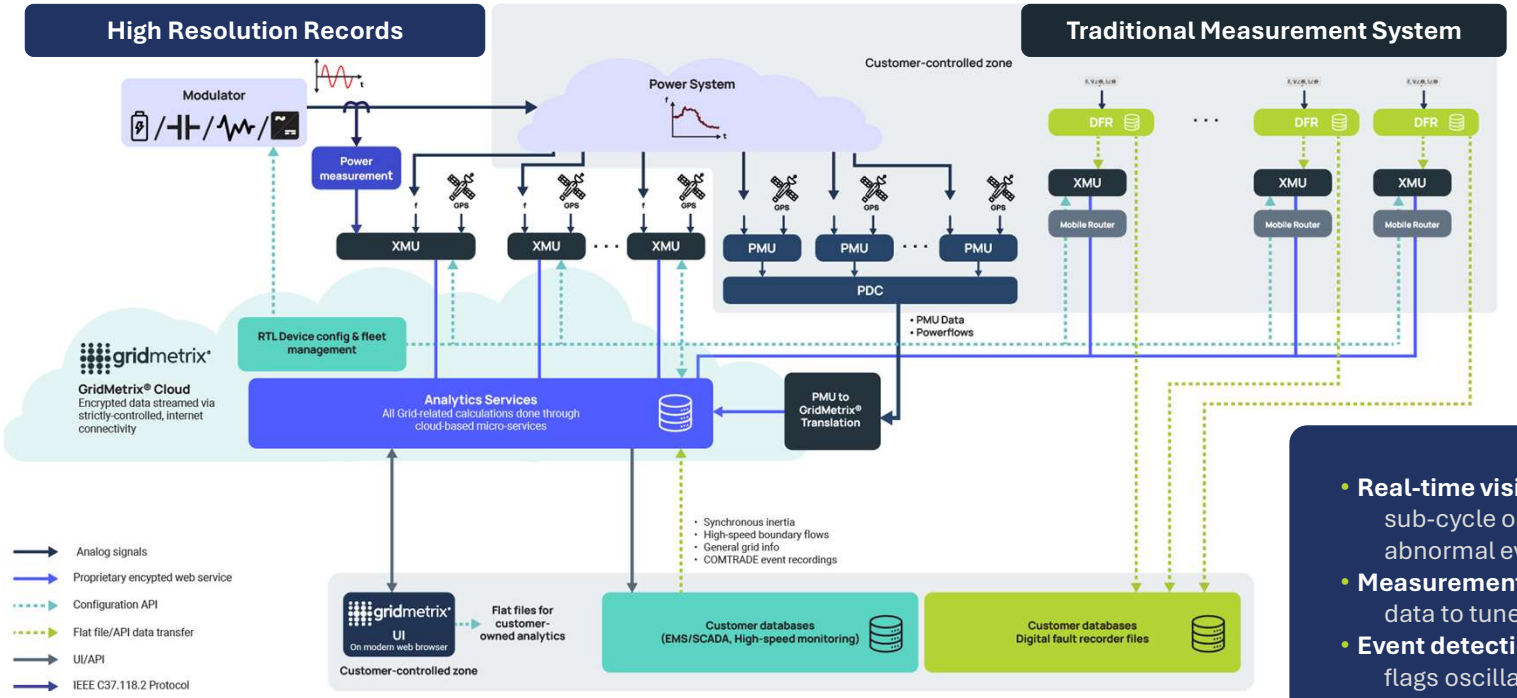
Real-time Oscillation Monitoring

Power Quality Monitoring

reactive technologies

Proven Technology Today For The Modern Grid Of Tomorrow

High-resolution Platform Overview



- **Real-time visibility into load dynamics**
  sub-cycle oscillations, rapid ramping, and abnormal events
- **Measurement-based model validation**
  data to tune and validate grid models
- **Event detection and post-event analytics**
  flags oscillatory or ramps, root-of cause
- **Grid-wide situational awareness**
  identify emerging oscillation modes and risk patterns
- **Flexibility and Speed to ensure scalability**

High-frequency oscillations visibility is key in high Power-Electronics-dominated grids

Low-frequency oscillations (0.1–1 Hz)

- Align with bulk-power electromechanical modes
- Can cause forced excitation of poorly damped system modes
- May lead to line power oscillations, relay misoperations, or system instability

High-frequency oscillations (5–55 Hz)

- Originating from intra-cycle GPU activity
- Can couple into generator torsional modes
- May cause shaft torque pulsations, fatigue, and reduced machine lifetime