

POWER INTELLIGENCE & ASSET MONITORING (PIAM)

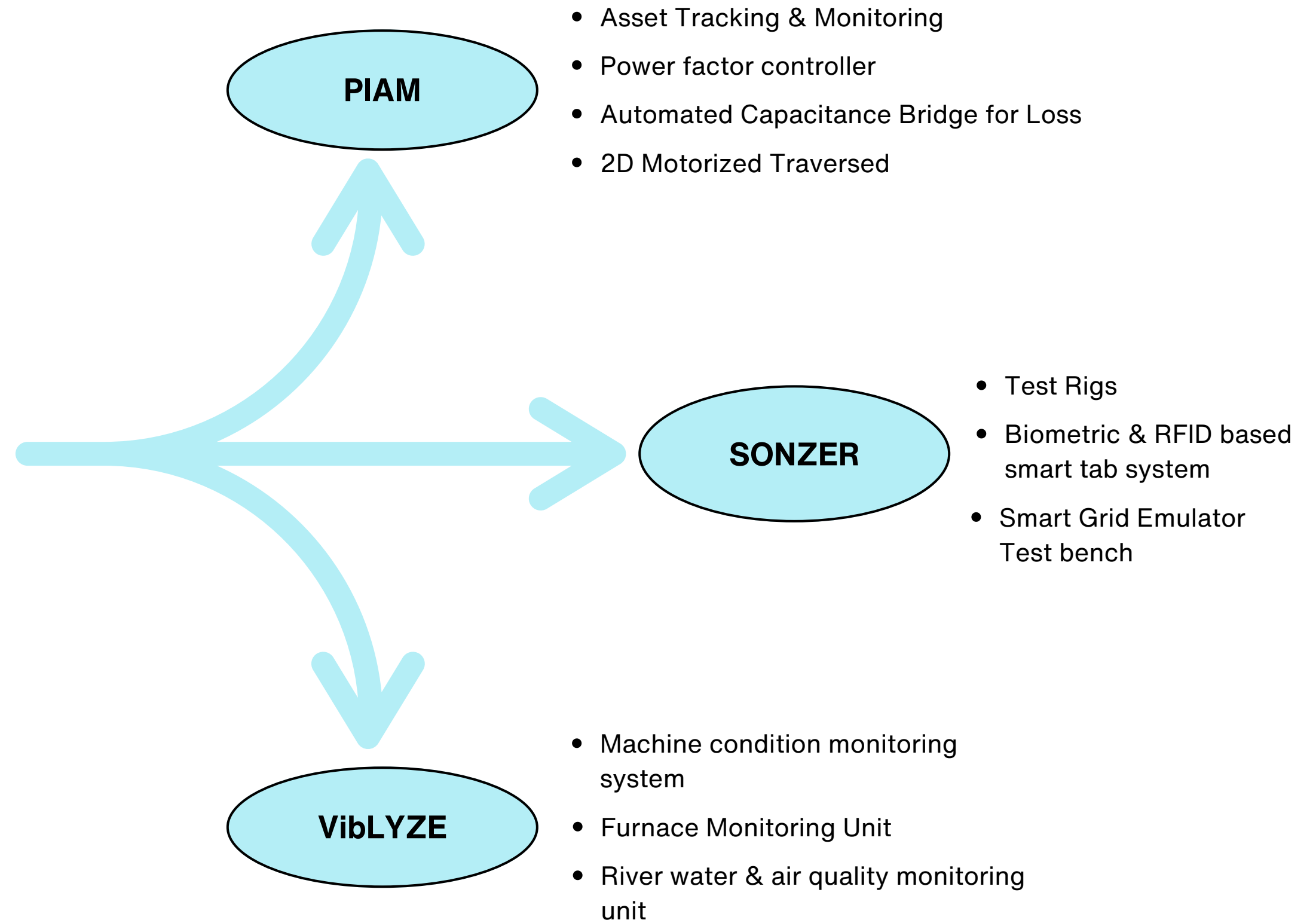
Empowering ESCOMs: PIAM - Revolutionizing Asset Management with Precision and Intelligence

ELECTR•NO SOLUTIONS

Welcome to Electrono! Embrace innovation with us as we propel your organization into the digital age. Let's shape the future together!

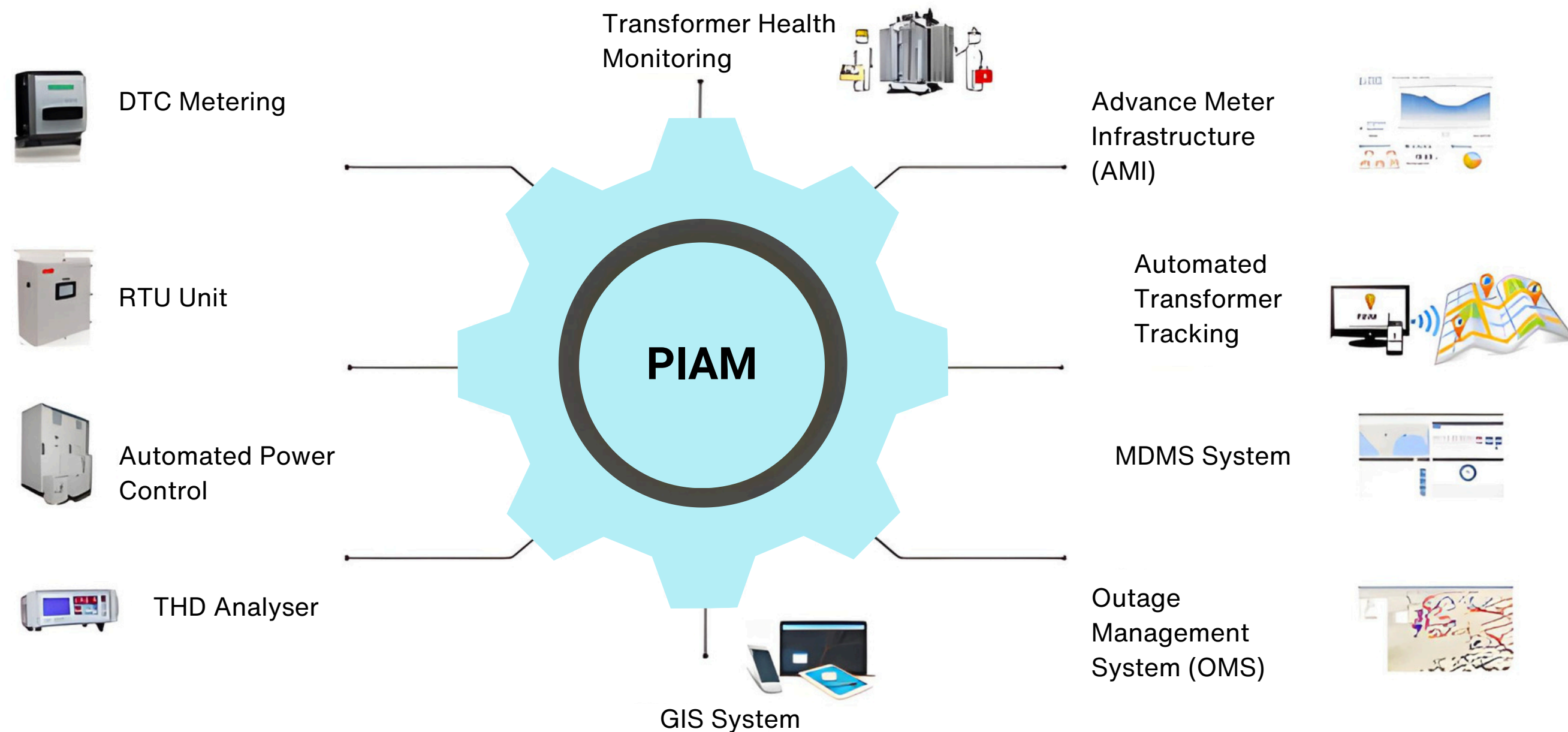
Our Vision and Values

At Electrono, we're on a mission to propel organizations into the digital era through cutting-edge IIoT solutions. Our commitment to quality drives us to enhance products, services, and operational capabilities, while elevating customer experiences. By facilitating expansion into new markets and boosting revenues, we empower businesses to thrive in an increasingly digital world.



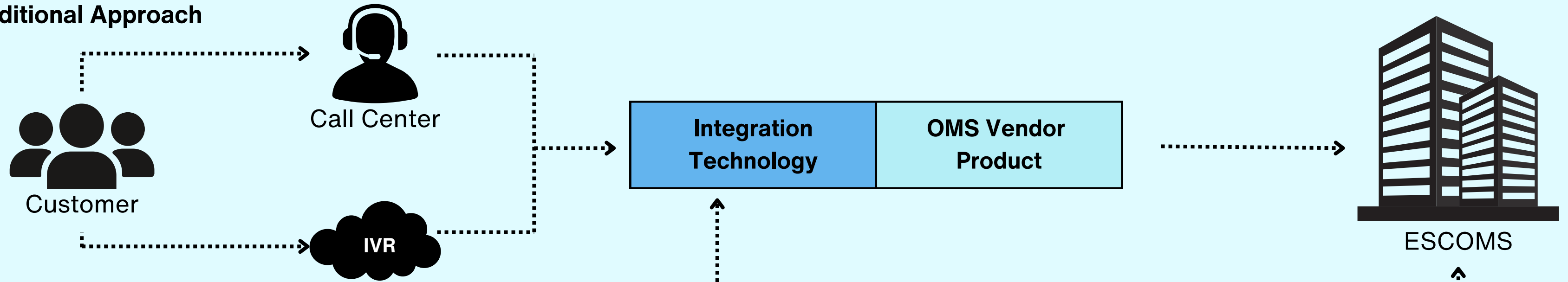
PIAM

In an era where operational efficiency and technological integration are paramount, PIAM stands as a beacon for transformation in the utility sector. PIAM simplifies complex asset management challenges faced by Electricity Supply Companies (ESCOMs) through an integrated platform leveraging IoT, artificial intelligence, and cloud computing.

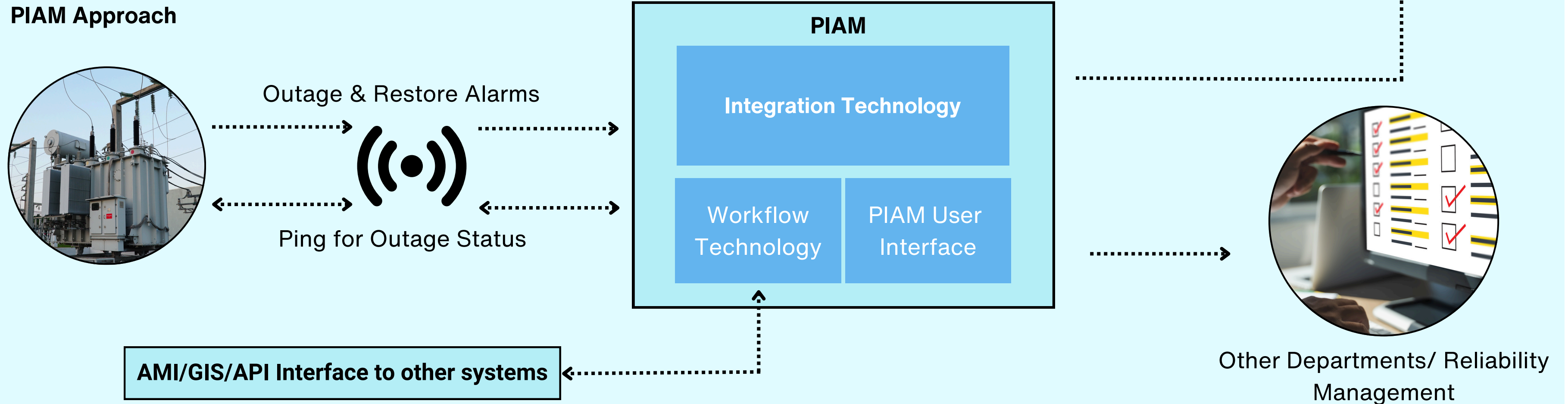


PIAM Architecture

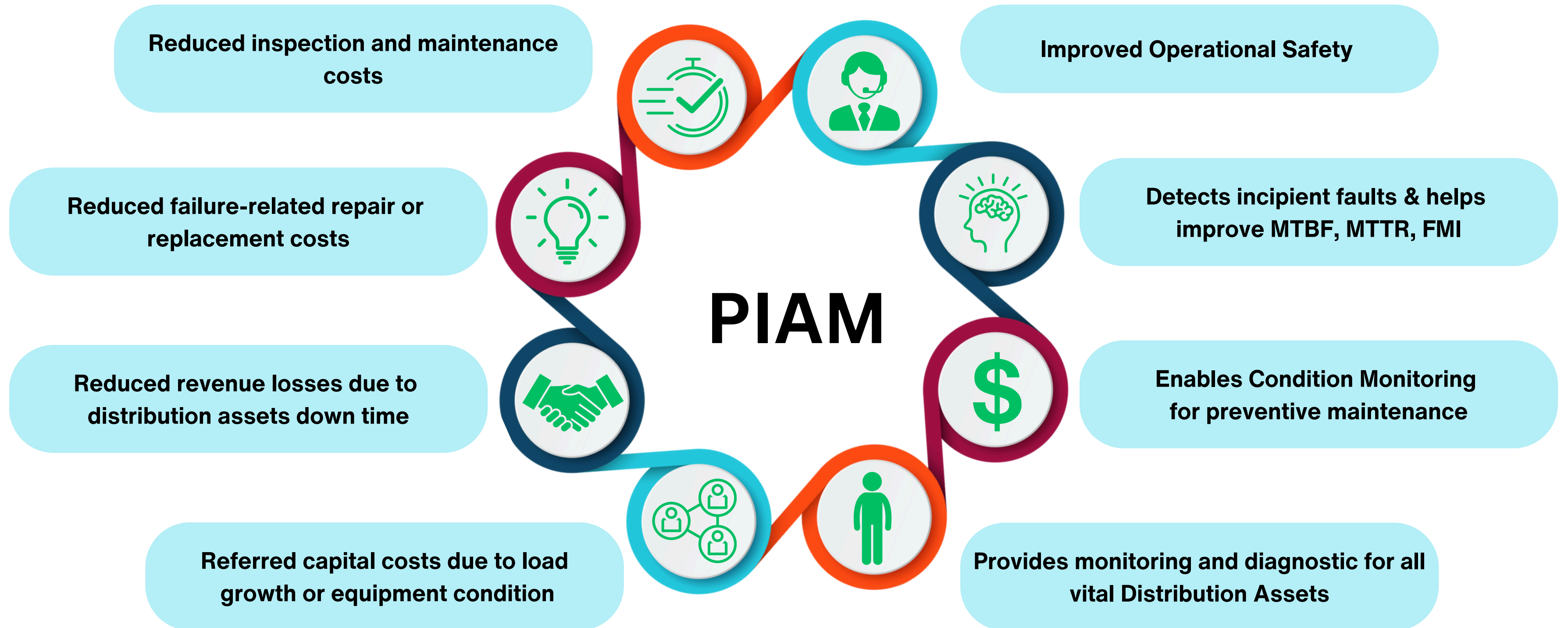
Traditional Approach



PIAM Approach

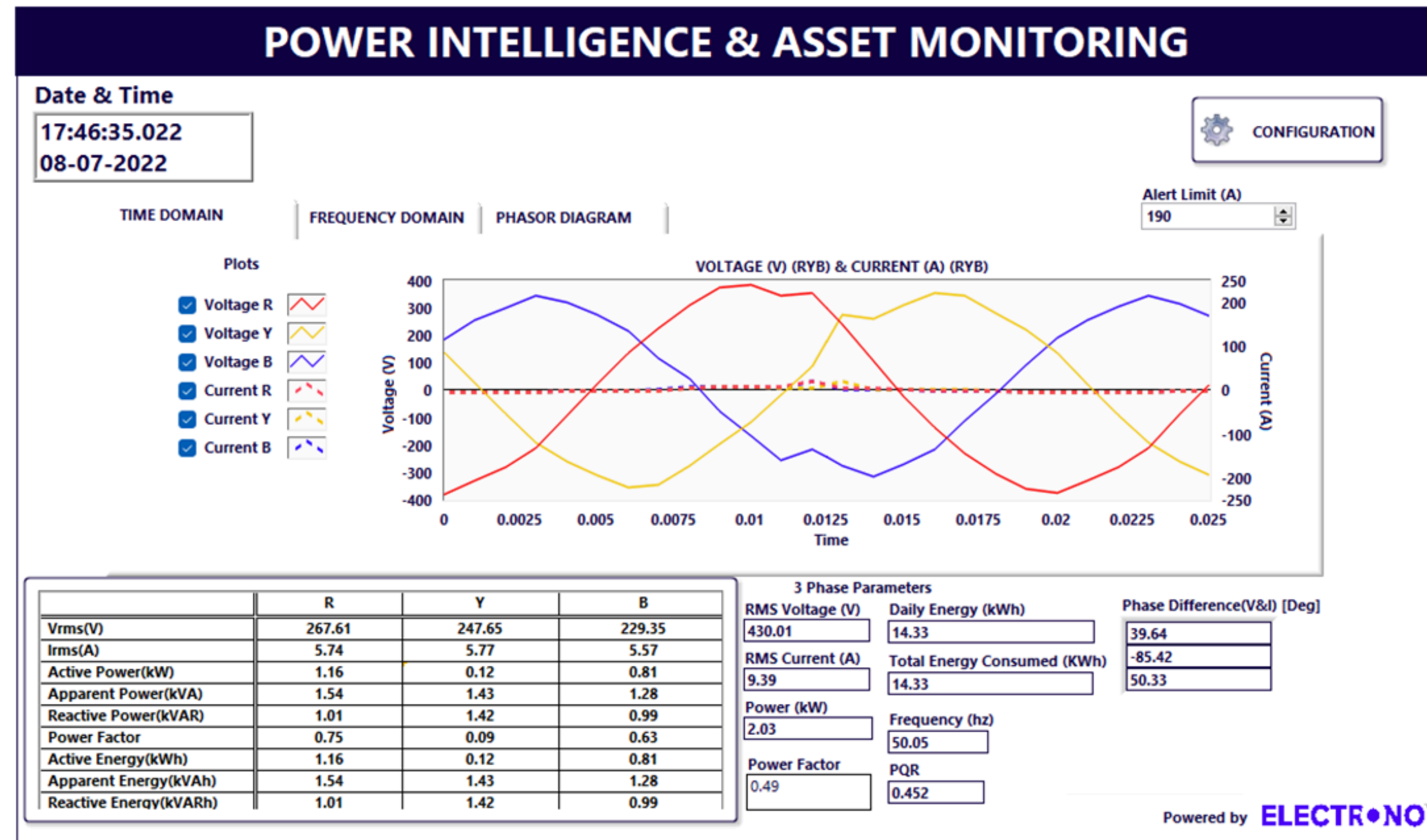


Why Choose PIAM?

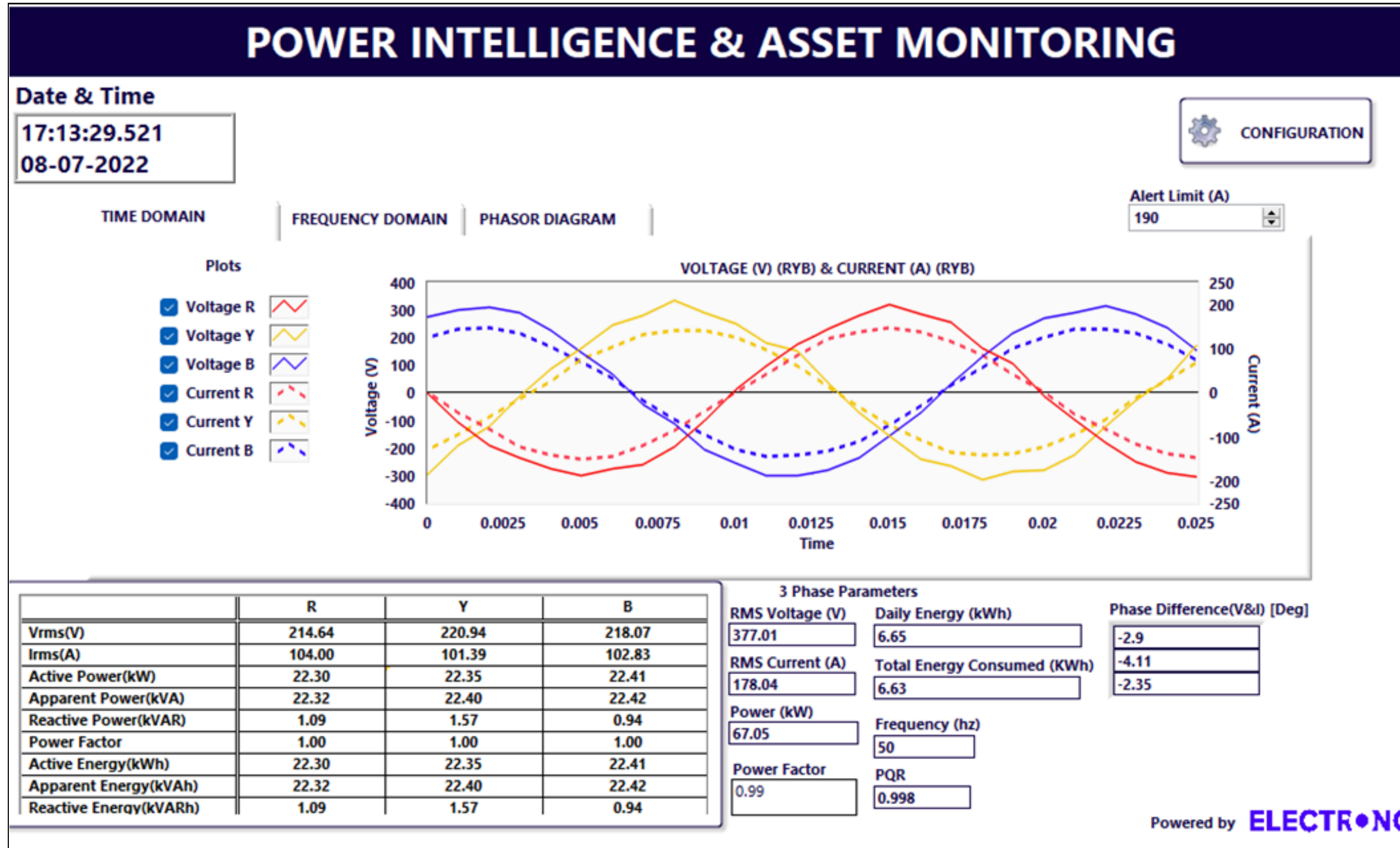


PIAM Dashboard & Real-Time Readings

- Time, Date, System, Meter ID with Phase Sequence
- PT Secondary, CT Secondary
- Cumulative - RYB - Active Energy (KWh)
- Cumulative - RYB - Apparant Energy (KVAh),
- Cumulative - RYB - Reactive Energy (KVARh Lag),
- Cumulative - RYB - Reactive Energy (KVARh Lead)
- Average Power Factor - RYB phase, Power ON hour
- Load ON hour, Voltage L-N (R,Y,B) (V), Average Voltage
- Phase to Phase Voltages L-L (RY, YB, RB)
- Current (R, Y, B), Average Current
- Power Factor (R, Y, B)
- Combined Power Factor (RYB)
- Instant Active Power-KW-R,Y,B
- Instant Reactive Power - KVAR-R,Y,B
- Instant Apparent Power - KVA - R,Y,B
- Instant-KW-RYB
- Rising Demand-KW/KVA,
- Maximum Demand-KW/KVA
- Total Harmonic Distortion



PIAM Usecases



PIAM implemented in Whitefield Bengaluru: Feeder 10001926848 Vinayaka layout TC

- PIAM did a pilot for about two months in Vinayaka layout in Whitefield.
- PIAM IS Playing a Key Role to Empower Smart Grid Initiative

Unique selling proposition

Vendor-Agnostic Platform:

- Minimize reliance on disparate software and hardware suppliers through an all-encompassing, unified solution.

Academic and Research Empowerment through Open Source:

- Cultivate innovation and ongoing advancement via PIAM's open-source accessibility, motivating educational and research establishments to enrich and extend its functionalities.

Adaptable and Versatile:

- Personalize PIAM's functionalities to align with your operational intricacies, guaranteeing utmost pertinence and efficiency.

Robust Security and Regulatory Adherence:


- Engineered with rigorous security measures and regulatory compliance frameworks to fortify the protection of sensitive operational information.

Get In Touch

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