



# Smart Transformer

## For Smarter and Safer Energy Mgmt

50%↓

Manpower Cost

80%↑

Reliability

40%↑

Service Excellence



*Monitors critical sub system parameters and preempts catastrophic failures*

The Smart Transformer solution is built on our proprietary **ithena**(™) Analytics and AI platform. It uses artificial intelligence and **persona**-based applications to uncover value from edge events, structured enterprise content, and complex third party content.

**ithena**(™) platform provides for **Scalability & Performance, User Experience & Flexibility** for the transformation of Smart Cities and Campuses.

# FEATURES



## Retrofit Design

Standards based design to enhance existing infrastructure



## Smart Dashboards

Persona driven, intuitive, simple, 360° views of the Smart Transformer for better management



## Mobile and Web+

Load protection measures over both mobile and web for anytime-anywhere access



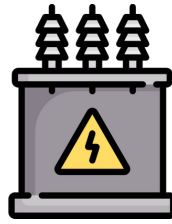
## Persona Driven

Different personas for application - asset Mgr., Service Engr., Substation Controller, Customer Service Agent



## Design

**ithena**



## Customer Experience



## Safety Measures



## Optimal Monitoring

Predefined monitoring logic triggers alerts for abnormality to prevent catastrophic failures



## Smart Alert

Smart warnings, alerts for substation controller to take corrective actions



## Parameter Monitoring

Temperature, pressure, oil level, load, moisture in the oil, particle discharge, gas accumulation rate, and others



## Edge communication

State-of-the-Art communication protocols based on **Message broker device connectivity** enabling seamless device inter-connectivity.



## IOT gateway

Data acquisition engine collects data from plethora of distinct sources and seamlessly integrates with our **ingestion platform**.



## ML/AI based workflow

ML/AI based workflow serves as a Decision Support and Decision Automation System for various personas via **Actionable Insights**.

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