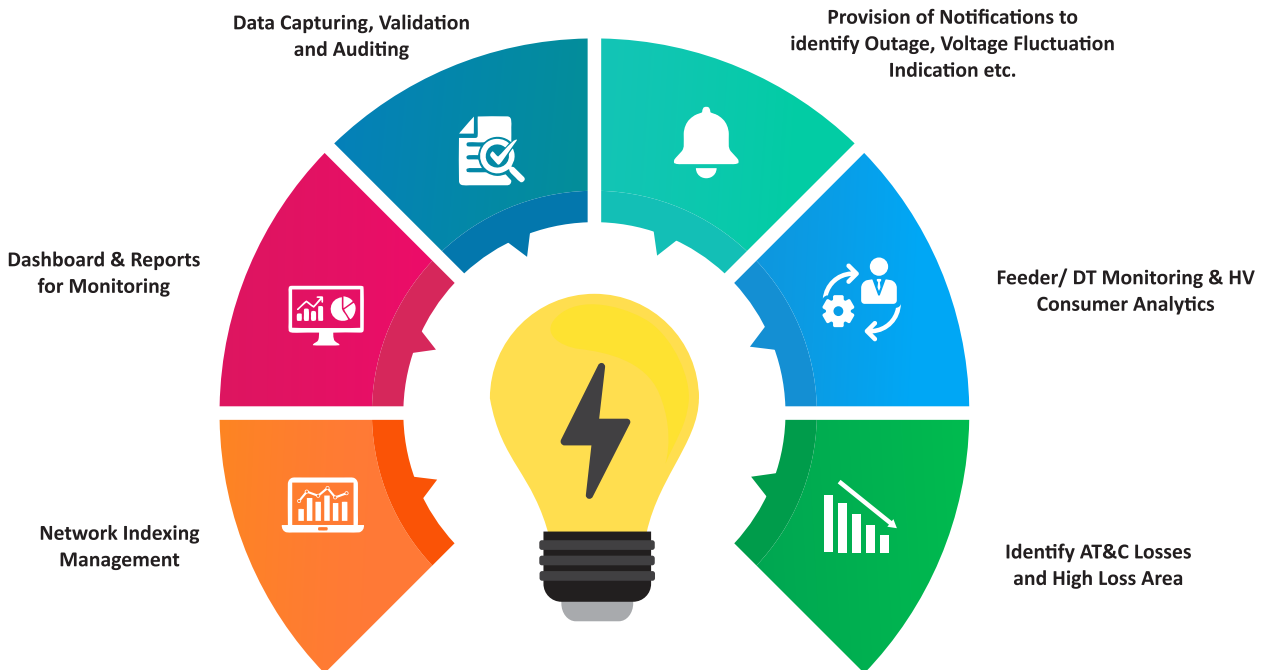
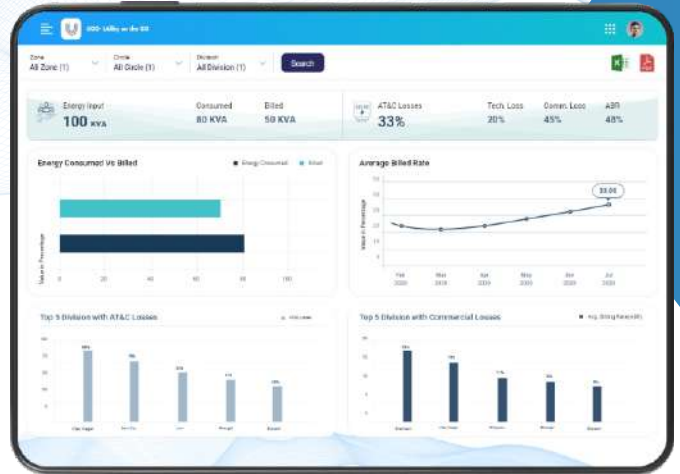


# Energy Audit

Today's Energy has become a key factor in deciding the product cost at micro level as well as in dictating the inflation and the debt burden at the macro level. Energy cost is a significant factor in economic activity at par with factors of production like capital, land and labor.


The imperatives of an energy shortage situation calls for energy conservation measure, which essentially mean using less energy for the same level of activity. Energy Audit attempts to balance the total energy inputs with its use and serves to identify all the energy streams in the systems and quantifies energy usage's according to its discrete function.



**KEY  
BENEFITS**


- Improve Turn Up Ratio.
- Reduces financial & technical losses
- Identify incorrect tagging & untagged consumers
- Reduce revenue leakage & Defective meters
- Identify & improve Key commercial parameters (AT&C losses, billing efficiency, collection efficiency, unpaid, unbilled thru rate etc.)
- Longer Equipment Lifespan
- Comprehensive and detailed Feeder Health Monitoring
- Theft control provision
- Show Environmental Concern
- An energy audit will identify energy-saving opportunities.

**Key Features of Energy Audit System :-**




**Identify AT&C Losses and High Loss Area**

To easily identify technical as well as commercial losses & can identify locations with significant losses.




**Demand Forecasting**

Makes it easier for contemporary power utility firms to make wise decisions regarding their operations, supply, financial stability, and other factors.




**Gaps Identification**

Relating energy inputs and production output at company level, cluster level & individual level.




**Alerts/ Events**

Notifications of outage, events, voltage drop/high fluctuation indication.




**Dashboard & Reports for Monitoring**

Complete summarized information at single place and provides detailed analysis reports, gap reports, system reliability index related SAIFI SAIDI MAIFI CAIDI & dynamic listing of top/bottom.




**Graphical Representation**

Graphical depiction of criteria such as billing efficiency, turn-up ratio, collection efficiency, billing efficiency, and so on.




**Data Validation**

Data authentication through regular validation and identifies incorrect/correct tagging.




**Integration**

Seamless & Efficient Integration with Utility's legacy system during transition period & NIM (Network indexing management) system.



**Monitoring System**

Activity based monitoring system such as Sub-Station Monitoring System, Industrial Feeder Monitoring, Revenue Tracking system, DT Monitoring System, Exception & ATR Analysis etc.



**Single Line loss Identifications**

Identify the losses from grid to end of consumers.