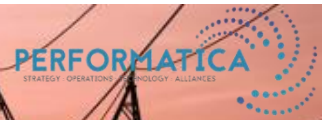


Smart Utilities



ENGAGEMENT MODEL

- On demand services partner - OPEX mode of technology transformation
- Lower TCO by adopting Public Cloud, Open Source, Rapid Application Development (RAD)
- Act as customer's extended technical R&D labs
- Partnership with SAP, IBM, Microsoft, Google & AWS

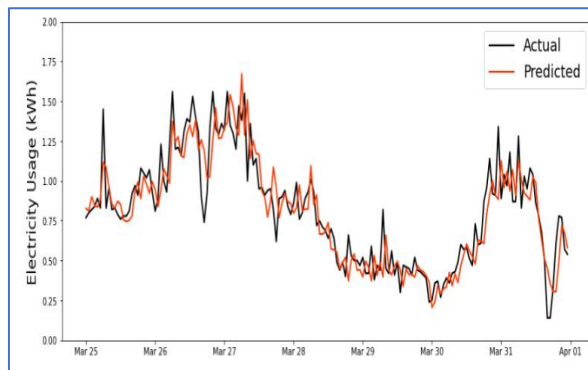
BUSINESS IMPACT

- ✓ **On-demand Performance Analysis:** Our APIs provides preventive maintenance as well as reducing downtime
- ✓ **Improved Resource Lifecycle:** Our platform helps in the reliability of assets and other related resources. Predicting maintenance issues before breakdowns occur helps to reduce maintenance costs.
- ✓ **Risk Profile Management:** Assessments of different conditions help provide a risk prognosis in various areas, including product creation, logistics, marketplace reputation, and maintenance of the plant and its assets.
- ✓ **Continuous Improvements:** The insights provided help improve product quality and enhance performance of the plants and its assets.

Smart Metering Data Analytics

Solution to analyze mean load by each of your customer industries

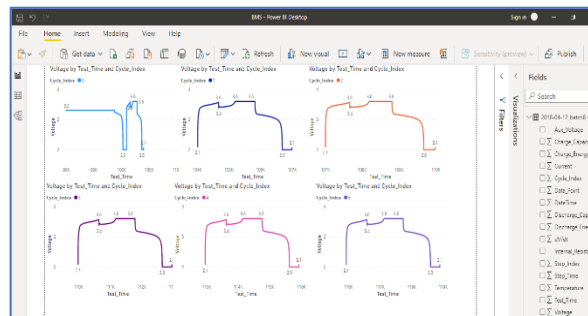
- Analyze daily/weekly/monthly seasonality's pattern for each of your customer industries
- Analyze the load/demand trends vis-à-vis the building size of your consumers
- Forecast the load/demand for each cluster of consumers
- Generate daily/weekly/monthly profiles of aggregate consumption
- Energy consumption variations vis-à-vis temperature/applied tariff rates/tariff plans
- Prediction of residential electricity bill amounts



EV's Battery Performance Analytics

Solution to monitor and predict battery life, degradation, and failure signals.

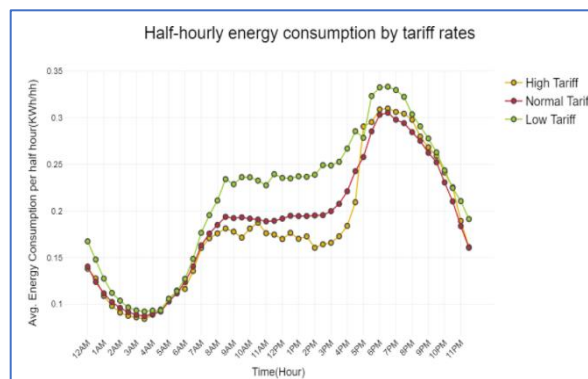
- Applies the AI/ML models for the typical degradation in cell potential, across charge-discharge cycles, for the same current discharge
- It displays the Cell Potential Vs Time and shows the impact of Degradation per Cycle
- Provides flexibility for end users to at least see the performance prediction by using 10+ models and perform their very own "What-If" analysis



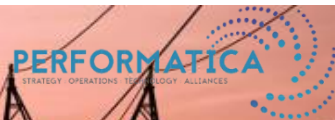
Dynamic Consumption Analytics

Solution to analyze energy consumption variation with respect to –

- Temperature
 - Applied tariff rates
 - Different tariff plans(Std./DTou)
 - Customer segmentation/classification
- Different tariff plans were introduced in one of the key markets to reduce overall energy consumption.
- Dynamic Time of Use (DTou) plan provided users with different tariff rates (high/normal/low prices) so that subscribers could effectively plan their energy usage, thereby, reducing their overall consumption.



Smart Utilities



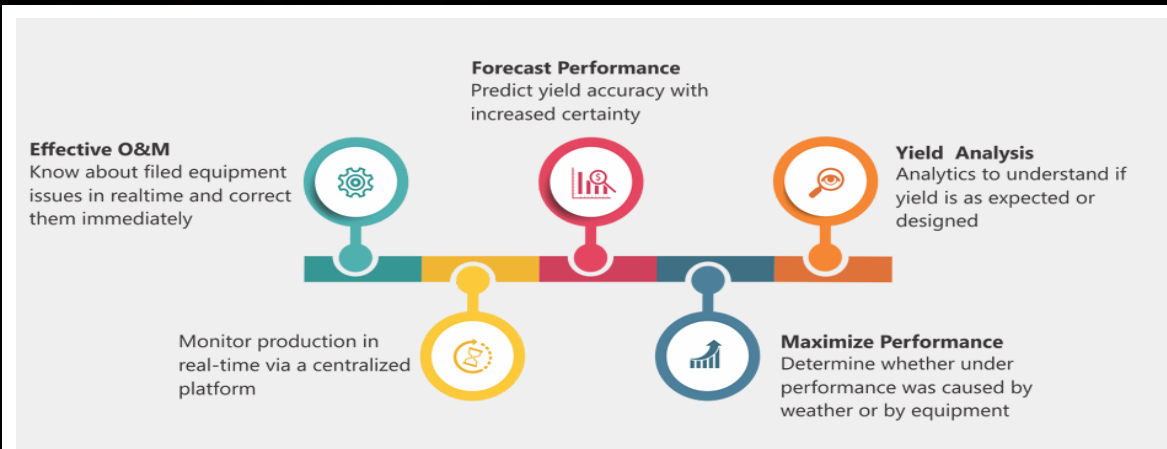
KEY ACCLERATORS

- ✓ Smart Metering Data Analytics
- ✓ Dynamic Consumption Analytics (Tariffs, Plans)
- ✓ Performance Metrics Dashboard
- ✓ Production Variance Analytics
- ✓ EV BMS Performance
- ✓ FMEA Modeling

DESIGN LED TRANSFORMATION

- “Systems level thinking” that is critical in delivering business performance metrics
- Specialists have experiential knowledge in multiple technology transformations in specific domains
- Integrated solutions leveraging engineering and advances in IT - led by design thinking
- Domain expertise in successfully applying these emerging technologies to solve business problems
- Deliver high value-added, fast, and cost-effective projects

Performatica LLC
 3423 Williams Glen Drive,
 Sugar Land TX 77479, USA
www.performatica.net
marketing@performatica.net





Members from consulting, technology and operations provide an **all-inclusive perspective at an engagement level**



Design thinking and Change Management at the core of any proposed solution

Leveraging **low-code/no-code platforms for MVPs** as part of our engagements





Consulting+ Technology solutions **team from Fortune 500 and Tier I IT/ITES Firms**



Consulting Focus Areas

- **Strategic Planning** - Design use-cases, technical and domain related market research, open innovation, agile R&D
- **Operations Management** - Drive business transformation, program management, metrics management/business performance
- **Technology Transformation** - Develop domain solutions prototyping, applied analytics, remote monitoring, risk management in select verticals.
- **Digital Platform Alliances** - Discover industry alignment to post covid-19 era, sustainability goals and industry 4.0+ demands by building a responsive digital ecosystem.

