



App Modernization and Innovation

Utilities Sector

KPMG in Qatar



Meter Reading Validation & Cabinet Anomaly Detection

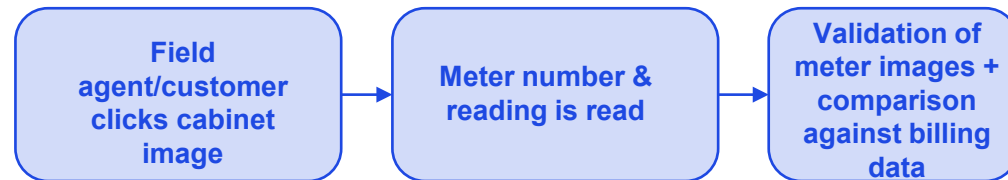
Meter Reading Validations for Electricity and Water Meters & Identifying Cabinet Anomalies for Electricity Meters using AI



Meter Reading

Description

Applying AI to validate electricity and water meter readings enhances accuracy and efficiency. This technology automates the validation process, reducing errors and ensuring precise consumption data. The result is a more streamlined and reliable utility management system.



- ✓ Electricity & Water meter readings compared
- ✓ Compare image data vs billing data
- ✓ Feasibility to expand for multiple other scenarios
- ✓ Single Window app for the entire process



Benefits and Outcomes

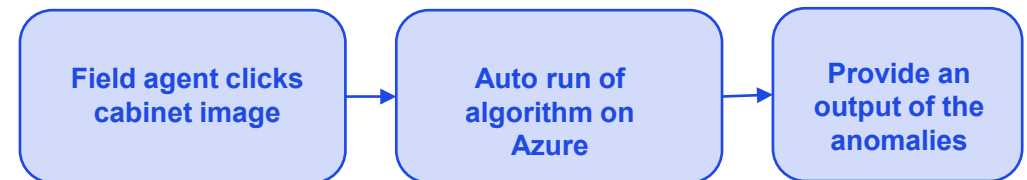
- Reduce time and manual effort with increased accuracy
- Automated process for meter reading validation
- Ability to sync data tables to identify anomalies
- Utilize this solution to aid in solving other possible future use cases



Cabinet Anomalies

Description

Using AI to identify anomalies in electricity meter cabinets enhances monitoring and maintenance. This involves analyzing and detecting irregularities, allowing for proactive interventions to ensure reliable metering and operational efficiency.



- ✓ Trained model on multiple permutations
- ✓ 90% accuracy achieved
- ✓ Feasibility to expand for multiple other scenarios
- ✓ Single Window app for the entire process



Benefits and Outcomes

- Automated process for Cabinet installations
- Introduce ML and analytics into the daily company workflow
- Utilize this solution to aid in solving other possible future use cases



Contact us



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