



TESCO METERING

Meter Manager Software

Metering-Centric Quality Management (Asset,
Inventory & Field Service Management
Software)

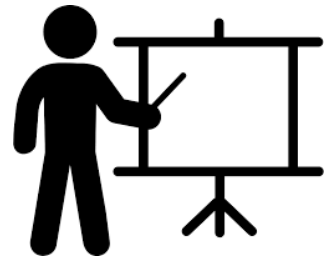
Prepared by Tom Lawton, TESCO



*For Mid-South Meter School
Wednesday, May 7, 2025 at 3:00 PM*



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Introduction

Meter Manager Overview

Prepared for:



Tom Lawton
President & CEO
TESCO Metering

- Mission Statement
- Industry Overview & Challenges
- Benefits of Using Enterprise Software
- Target Utility Segments
- Target Users Within the Utility
- Software Overview
- Modules and Features
- AI & Analytics
- Why Meter Manager
- Case Studies
- Walker Cabin





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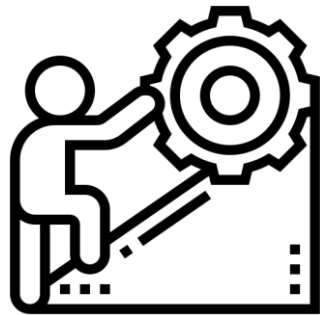


Mission Statement

To become the primary outside metering resource for all electric utility customers



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Industry Challenges

Industry Overview & Challenges

**Manual
Siloed
Processes**



**Difficulty
Tracing
Test Results
Across
Systems**



**Challenges
Managing
Consigned
Inventory**



**Legacy
System
Blocking
Modernization**





Enterprise Software Benefits

Benefits of Using Enterprise Software in Metering

- Reduces manual labor and entry errors
- Automates test record storage across all locations
- Connects teams via integrated touchpoints
- Real-time feedback and exception detection
- Supports secure audit trails and compliance
- Eliminates redundancy between warehouse, lab, and field
- Enables full AMI portfolio value tracking
- Allows simplified workflows and IT offloading through managed services





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Target Utility Segments



IOUs, municipalities, and co-ops with growing AMI programs



Utilities looking to modernize without replacing legacy systems



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**Target
Users**

Target Users Within the Utility



IT & Integration
Teams



Meter Shop &
Field Technicians



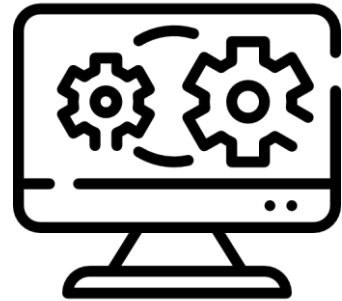
Compliance officers
and asset owners



Warehouse/Inventory
Managers

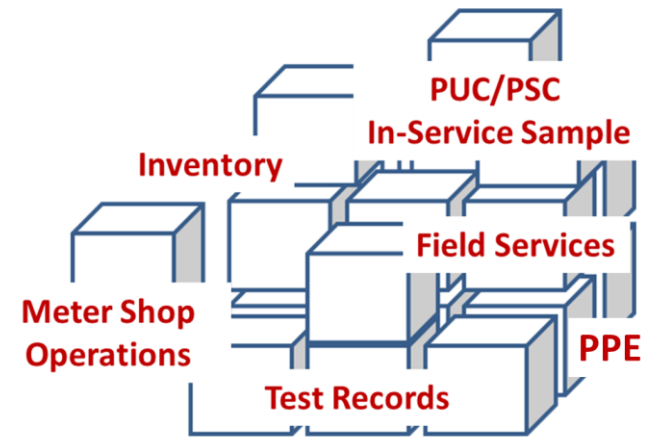


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Software Overview

- Purpose-built metering lifecycle software
- Full support for AMI infrastructure
- Deployment Options: On-prem or Private Cloud
- Available as a licensed purchase, subscription, or lease
- Simplifies complexity through optional managed services



Asset Management for EVERY asset under management

- Leading asset and quality management system for meters
- Proven track record of quick and successful deployments
- Only enterprise-grade metering-specific system available
- **Meter Manager is designed to integrate with SAP, Oracle, and other enterprise systems**
- Integrations can be custom-built without customizing the core software.
- Meter Manager can exactly duplicate a utility's existing interfaces, eliminating months and years of change management and retraining.



Architected with touchpoints to efficiently process core information



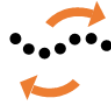
Smart Meter / Module

- ✓ Create devices from manufacturer files
- ✓ Perform acceptance testing, reject failed shipments
- ✓ Create devices in HES, MDMS, and CIS after acceptance



Third Party Installer

- ✓ Interface to communicate location changes, and the movement of shipment and sample batches
- ✓ Notification to release devices into stocked status



Work Management

- ✓ Track devices down to the person/truck level
- ✓ Cross check meter installations against meter assignments
- ✓ Track removed meters back to the shop
- ✓ Equipment kits for CT/VT installations



AMI Head End System (HES)

- ✓ Maintain consistency between HES and CIS
- ✓ Find installed meters not on HES
- ✓ Find meters on HES not shown as installed
- ✓ Two-way update of program and firmware version



Meter Data Management (MDMS)

- ✓ Program ID OTA updates are automatically communicated and any changes to billing K are made
- ✓ MDMS billing multiplier can be cross-checked



Customer Info System (CIS)

- ✓ Calculates billing multiplier for cross-checking against CIS
- ✓ Can optionally be the system of record for device attributes, supply to other systems



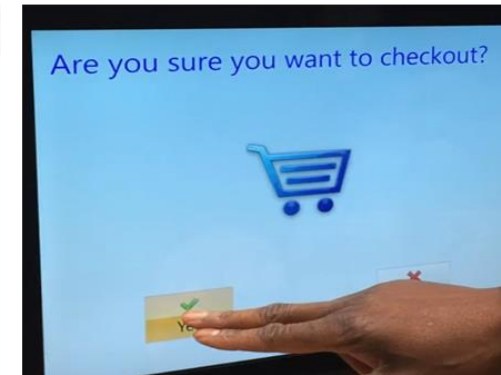
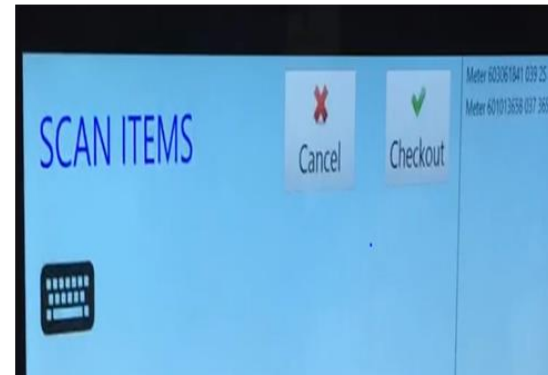
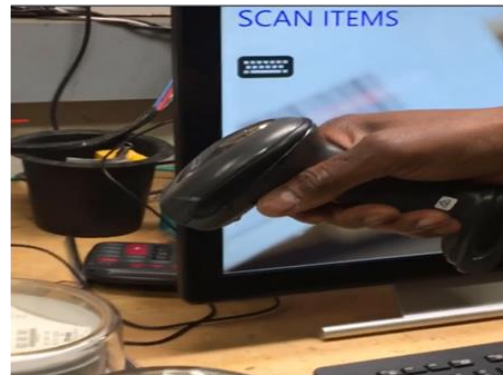
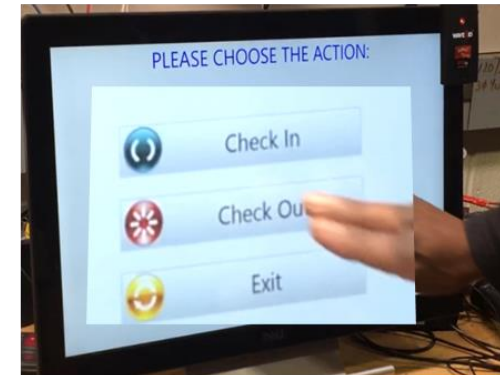
75% of our Utility Customers have SAP or Oracle

25% of our Utility Customers have a legacy system or a CIS provided by NCIS or a similar organization.

Built-In Feedback Loops catching potential problems earlier in the workflow



Meter Manager records the consignment to the employee and places the device back into inventory when the uninstalled device is checked back in.

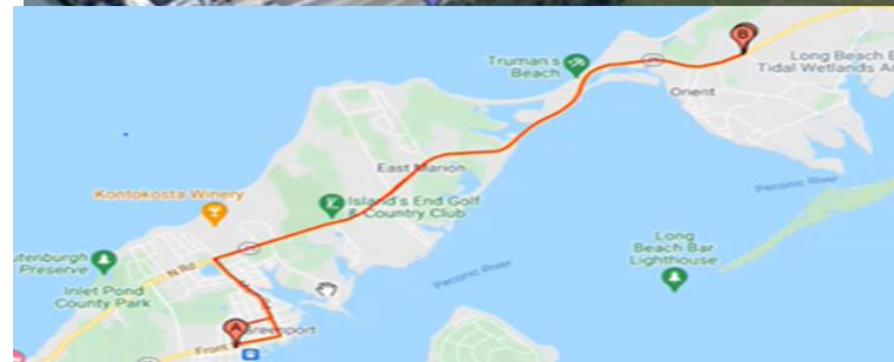
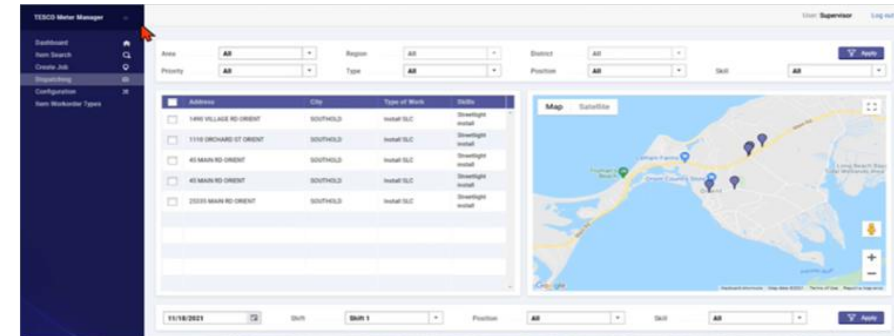




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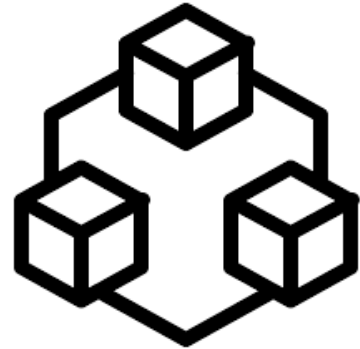
Metering-Centric Field Service Management

- ✓ Skills based work order assignment
- ✓ Configurable tasks for each work order and/or equipment type
- ✓ Schedule a technician on-the-fly and instantly notify and update their schedule for re-routing
- ✓ Optimized routing that recommends the best and safest route for any location with the effort to complete work order (complex / simple) factored into the schedule
- ✓ Works standalone and when network available reconnects automatically and syncs data
- ✓ Increase field work's accuracy and efficiency through GPS





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Modules & Features

- **Asset Lifecycle Management**
- **Test Data Capture & Integration** – auto-import from test boards
- **Inventory & Consignment Control** – full traceability and visibility
- **Field & Lab Record Linking** – seamless capture across environments
- **Enterprise Integration Engine** – modern and legacy system compatibility
- **Reporting & Analytics** – transformer analysis, revenue leakage detection

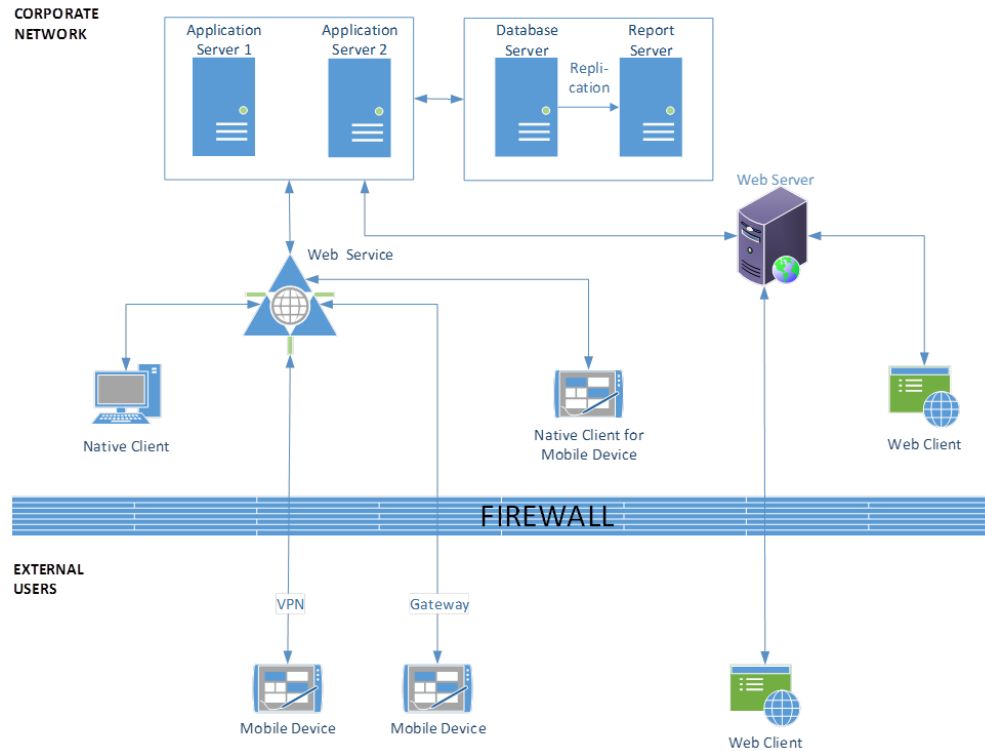




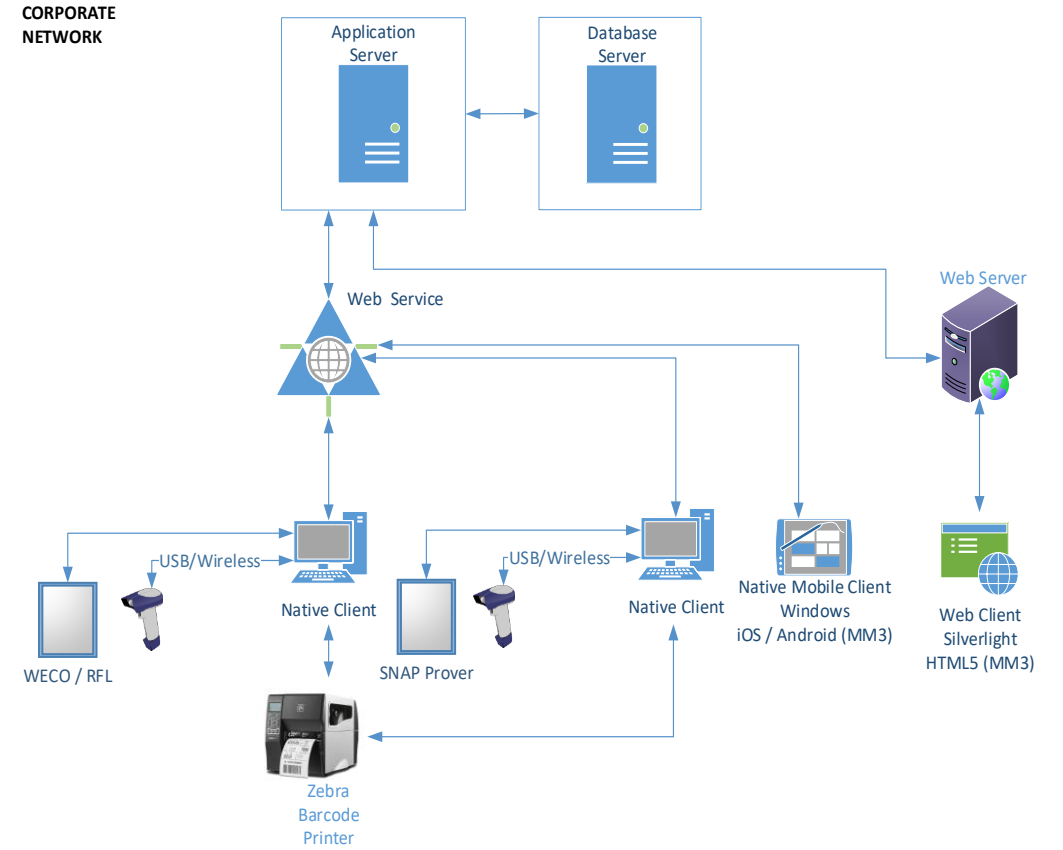
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Host On-premise or Your Cloud

Complex



Simple



Managed Services Available



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Metering-Centric Differentiators

- ✓ Capture power quality information directly from TESCO, Radian, Probewell, and PowerMetrix test kits
- ✓ Perform meter accuracy testing using TESCO 630 and 6330 test kits, import from other field test kits
- ✓ CT burden and/or accuracy testing
- ✓ Blind CT verification (validates CT serial numbers, without knowing the expected value) or update if incorrect
- ✓ Billing multiplier calculation, validation and cross check
- ✓ Removal Read verification (photo)
- ✓ Meter compatibility verification for exchanges, including allowing for compatible meter forms such as 12S - 25S.
- ✓ Meter class and voltage are checked for compatibility



- Designed for touch on a tablet, also compatible with a laptop
- Windows tablet now, iPhone and Android versions in 2022
- Responsive design accommodates different (mobile device) screen sizes
- Single database to store all test records
- Bluetooth handheld scanner enabled



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Built-in Intelligence with Real-time Information

SCAN OLD METER Close

SCAN NEW METER

Serial #

ENTER OLD METER READ

Right-to-left entry mode

Old Meter

Serial Number: 095160521
Model: S4X/16S/E - 069
Customer Name: NORTH SHORE COMM SVC
Customer #: 8046652803
Premise: 80466528077181
Address: 14 SHORE LA, BAY SHORE, New York, 11706

Read: 98765

Next

7	8
4	5
1	2
0	C

WARNING

- Device #090737515 was not checked out to Supervisor

Mismatched fields:
Form (old meter: 16S, new meter 2S)
Voltage (old meter: 120, new meter 240)

Continue

Cancel

Old Meter

Serial Number: 095160521
Model: S4X/16S/E - 069
Customer Name: NORTH SHORE COMM SVC
Customer #: 8046652803
Premise: 80466528077181
Address: 14 SHORE LA, BAY SHORE, New York, 11706

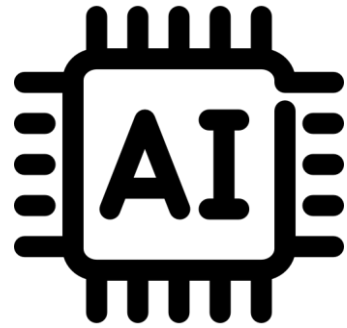
Read: 98765

New Meter

Serial Number: 090737515
Model: REXU/2S/E - 051



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AI & Analytics



Gemini



watsonx.ai™



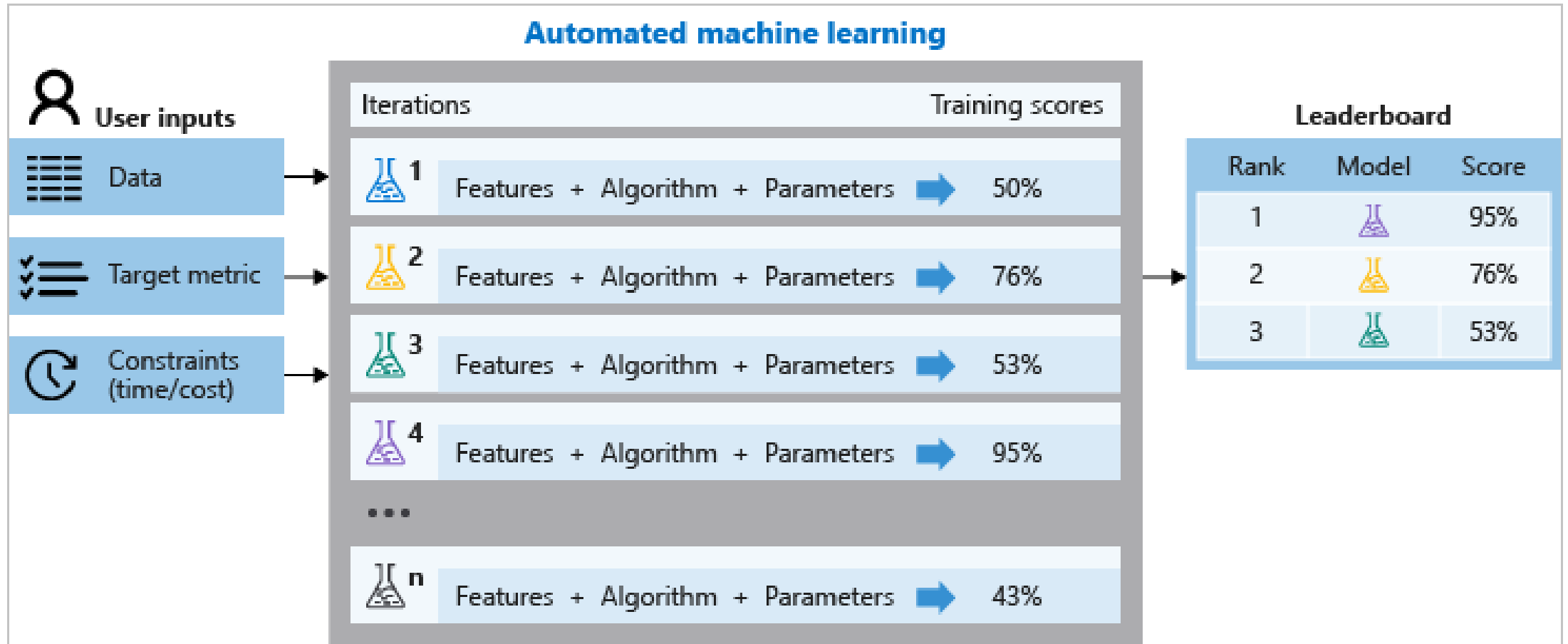
Amazon Bedrock



Copilot



Llama 3



- Transformer Overload Identification
- Behind The Meter Identification
- Weather Sensitivity
- Wholesale Settlements
- Mark-to-Market
- Suitability for DER
- Profitability
- Grid Loading
- Demand Forecast
- Generation Forecast
- ISO Forecast
- Net Open Position
- Scenario Analysis
- Coincidence Peaks
- Load Optionality
- Grid Constraints Load Scheduling
- Demand Response
- Risk Management
- Decarbonization
- Cost Reduction
- Customer Engagement
- Billing
- Grid Dispatch & Planning



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Why Meter Manager



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Experienced, Trusted and Successful

- ✓ Total control and transparency of your assets throughout the asset lifecycle
- ✓ **Year-on-Year growth and very satisfied customers** as over 75% expand their utilization of Meter Manager
- ✓ **Host On-premise, or your private cloud;** Infrastructure Managed Services available
- ✓ **Flexible financial models:** Purchase, Lease with option to purchase, or subscription model
- ✓ Ability to scale with new devices (Sensors, Street Light Controllers, ConnectDER, and all AMI equipment)



TESCO Meter Manager
Enabling Control for
Every Asset Under
Management



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Case Studies

Oversized Transformer Reporting

Platforms used:

Meter Manager – has all physical assets at every location including the instrument transformers

Consumption information from the head end – in this case a Silver Spring/Open Way head end



Oversized Transformer Reporting

Output:

A monthly report of the most egregiously oversized transformer installations with usage going back over the past two years to demonstrate and estimate lost revenue

Use:

Field services receives monthly work orders to replace the instrument transformers with appropriately sized transformers. Extended range transformers further improve the effectiveness of the monthly billing



Oversized Transformer Reporting

Results:

A steady increase in monthly revenue gains on every Commercial/Industrial account addressed. Payback for the work is under three months in every case as there are so many oversized accounts.



Thank You!
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ISO 9001:2015 Certified Quality Company
ISO 17025:2017 Accredited Laboratory



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