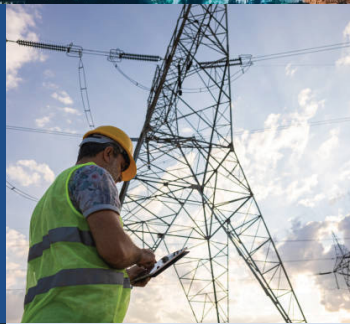# DESIGNED FOR THE DIGITAL ENERGY TRANSITION

Smart Grids

IoT Devices

Data Analytics

Artificial Intelligence

THE PRIMARY OBJECTIVES

Enhancing Efficiency

Minimizing Environmental Impact

Incorporating Renewable Energy Sources

Fortifying Overall Grid Resilience

The digital energy transition embodies a comprehensive approach that embraces innovation to meet the evolving demands of the energy landscape, addressing environmental challenges, and adapting to changing consumer expectations.
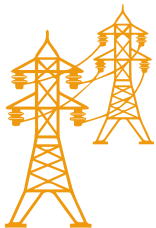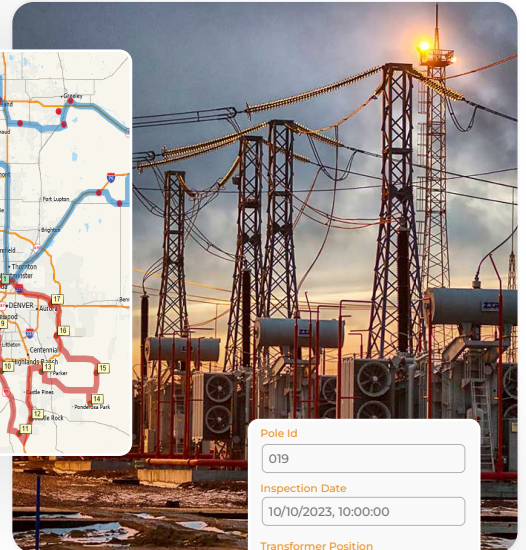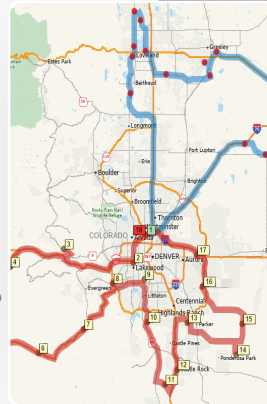
GEO TAGGING

GTag Mobile app

Create a field data survey form with dynamic response. Use Point, Line, or Polygon active layers to collect spatial data. Support external Bluetooth GPS/GNSS for accuracy. Analyse survey data with a query builder and export GeoJSON.
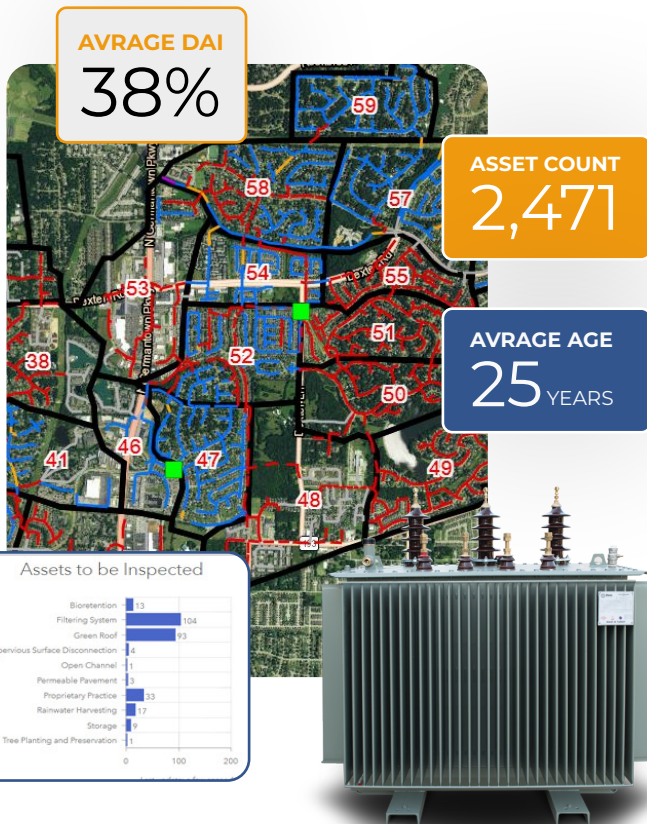
Comprehensive Modelling of Utility Networks

Utility designers must use innovative technologies and approaches to manage electric networks. Engineering teams use varied data to develop efficiently. Reliable data improves projects and reduces risks. Modern geographic information systems (GIS) provide precise design information for utility network modelling and data and communication. This helps utilities excel with repeatable engineering solutions. Fornex's innovative features enhance utility design and engineering.

Pole Id
019

Inspection Date
10/10/2023, 10:00:00

Transformer Position
☑ High
☐ Medium
☐ Low

AVRAGE DAI
38%

ASSET COUNT
2,471

AVRAGE AGE
25 YEARS

Assets to be Inspected

Bioretention 13
Filtering System 104
Green Roof 93
Impervious Surface Disconnection 4
Open Channel 1
Permeable Pavement 3
Proprietary Practice 33
Rainwater Harvesting 17
Storage 9
Tree Planting and Preservation 1

ASSET MANAGEMENT

Management of Life Cycle

Fornax links diverse asset systems and integrates life cycles based on location. Additionally, it delineates network and environmental connections while incorporating real-time inputs.

Evaluation of Performance

Fornax illustrates weaknesses and reveals financial and operational connections. It assesses the performance of assets and activities, utilizing AI/ML to predict potential failures.

Enhanced Asset Visibility

Fornax streamlines data collection, expedites inspection, and facilitates maintenance tasks. It brings together field and office personnel, creating a seamless connection between workflow steps and location.

OPERATIONS MANAGEMENT

Integration of Data

Fornax links IT systems to the operational status of the network. It merges external information sources with location data, oversees data transactions, and ensures the integrity of network and structural data.

Operational Workforce Optimization

Create a comprehensive operational overview and analyse field activities within a contextual location framework. Uncover connections between planned and unplanned work while optimizing work plans for increased efficiency.

Enhanced Situational Understanding

Display a unified operational depiction and relay real-time updates. Facilitate collaborative teamwork while automating notifications to external stakeholders and systems.

Workorder
Transformer Reinstallation

Entity Type	DROADSIDEDITOHESA
Description	Transformer Reinstallation
Priority	3
Status	**Open**
Submit To	
Project Start Date	
Project Finish Date	10/04/2017, 6.31AM

🔍 Zoom To   ◆ Get Direction

SERIAL NO.	213606B- 001 OF
SALES ORDER	2617047
BOM	1366174
AMPS	400 A
VOLTS	480V 50-60Hz
CATALOGUE NO	J07ATB030400N5XC
ACCESSORIES	2C, 18B, 18G, 31Z, 338L, 45SA, 45SB, 63G21, 72EE2, 97S, 97U, 1357L, 142

CUSTOMER CARE

Linking Customer to Network

Integrate pertinent corporate information systems pinpointing customer and equipment locations. Illustrate customer characteristics while tracking behaviour, interactions, and consumption patterns.

Comprehension and Analysis

Uncover customer trends and patterns while anticipating the effects of utility activities. Identify emerging prosumer opportunities and pinpoint target customers.

Real-Time Communication

Fornax promptly notifies customers while providing updates on new connections and outage impacts. It facilitates direct self-service engagement and fosters collaboration among external stakeholders.
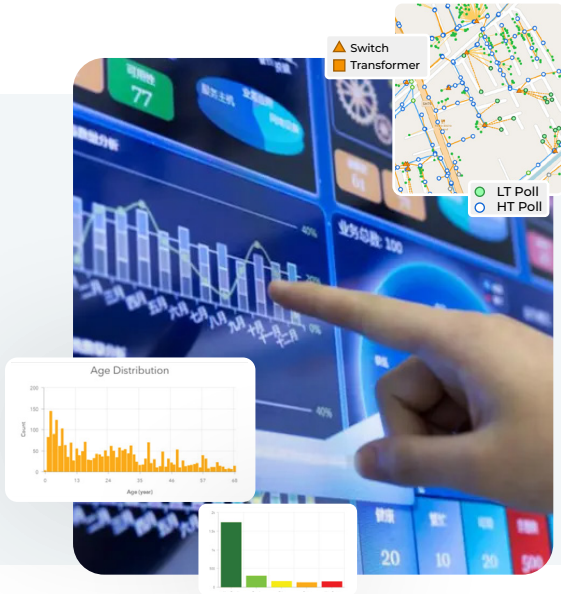

DESIGN AND ENGINEERING

Visualization and Analytical Capabilities

Conduct network analysis and tracing, validate designs within the spatial context, and gain network insights through schematic representations. Enhance material and labor optimization processes.

Coordination and Collaborative Efforts

Effortlessly share projects across various devices, collaborate with both internal and external stakeholders, instantly distribute design information, and actively engage the community in project interactions.

BUSINESS INTELLIGENCE

Fornex, tailored for electric utility data, leverages location-based insights to seamlessly integrate assets, employees, and customer locations. This platform offers quick access to critical information, robust analytics, and effective presentation tools, fostering efficient communication and collaboration. With a forward-thinking approach, it enables deeper insights and a comprehensive understanding of location dynamics for informed and strategic decision-making in the electric sector

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