

ENERGY

BREAKTHROUGH BUSINESS INSIGHTS WITH PREDICTIVE DATA ANALYTICS

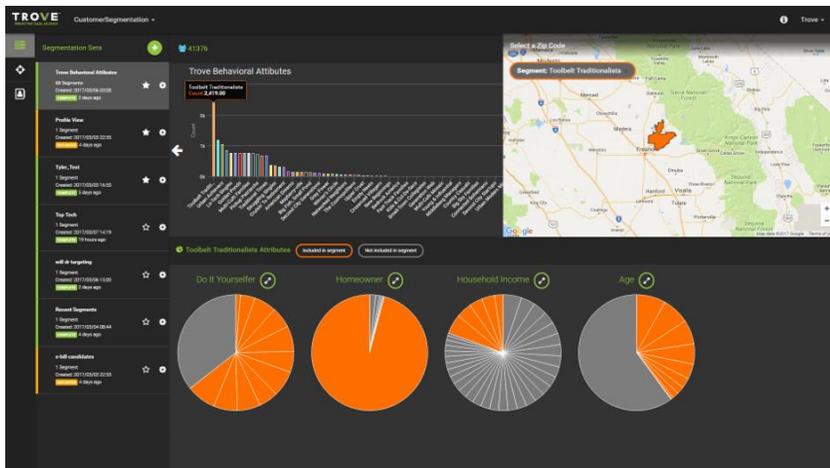
Together, Navigant and TROVE are powering utilities of the future

The volume of data that utilities manage continues to rise exponentially as energy resources grow increasingly variable and distributed. Data analytics and predictive data science hold the key to managing the grid and engaging with customers more intelligently.

To address some of the most challenging data analytics issues facing the industry, Navigant and TROVE partner with utilities to help them:

- Identify smart meter value beyond traditional cost savings metrics
- Improve operational efficiency, customer service, and profitability
- Engage customers to drive adoption of new products and services
- Address the proliferation of distributed energy resources (DER)

Customer Products & Services Portfolio Optimization



Tackling challenges in a transformative environment

As DER and digitization transform the nature of utility-customer relationships, operations and investments, and ultimately business models, utilities need analytics now more than ever in order to be successful. Navigant and TROVE can fill this need, overcoming common internal hurdles:

- Lack of the right mix of talent needed for success (e.g., data scientists, engineers)
- Vendor-specific, non-interoperable/open standard solutions and algorithms
- Siloed solutions that don't take advantage of cross-organization synergies

By leveraging Navigant and TROVE's strategic alliance, utilities can harness the combined power of predictive data science and an analytics platform to make their data more useful, dramatically improving load forecasting, grid performance, and customer adoption of new products and services.

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About Navigant

Navigant Consulting, Inc. (NYSE: NCI) is a specialized, global professional services firm that helps clients take control of their future. Navigant's professionals apply deep industry knowledge, substantive technical expertise, and an enterprising approach to help clients build, manage, and/or protect their business interests. With a focus on markets and clients facing transformational change and significant regulatory or legal pressures, the firm primarily serves clients in the energy, healthcare, and financial services industries. Across a range of advisory, consulting, outsourcing, and technology/analytics services, Navigant's practitioners bring sharp insight that pinpoints opportunities and delivers powerful results.

About TROVE

TROVE Predictive Data Science, Inc. is an innovator in predictive data-science technology. The breakthrough TROVE Platform combines the best in scalability, open-source technology, data fusion, advanced data modeling, and consumer data, as well as data-science expertise and teamwork, to make data useful for the utility, smart home, and other data-intensive industries.

THE NAVIGANT-TROVE DIFFERENCE

Solutions designed to address the unique challenges of utility transformation

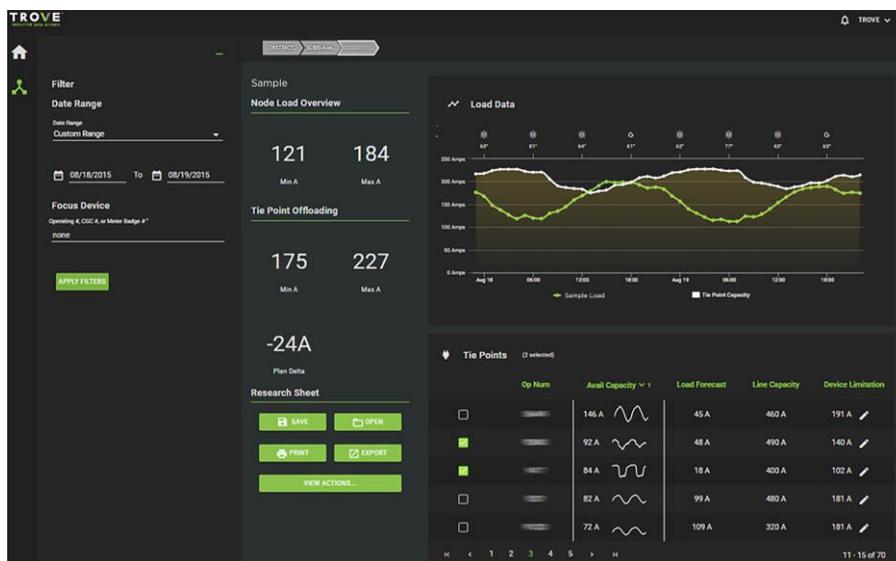
We are focused on the most critical issues facing utilities today as well as tomorrow's predictive analytics opportunities. Consider, for example, DER forecasting. Utilities are trying to improve load forecasts, distribution planning, and operations through better predictions of distributed energy resource adoption. When and where they will occur on the distribution system? How they will affect load shapes? What are the interactions among and between DER resources such as solar PV, energy storage, demand response, energy efficiency and electric vehicles? Navigant and TROVE address these issues through modeling tools, data, and expertise that no one else in our industry possesses:

- **Structural / economic cost-benefit and forecasting models:** Vehicle Adoption Simulation Tool (VAST™), and our "Sim"™ model family (DSM-Sim™, DR-Sim™, and RE-Sim™ (for renewable energy)).
- **R, Python, Hadoop and other open source tools** that allow your analytics team to work make our solutions your solutions.
- **Research library of DER syndicated reports** and underlying market data on DER adoption and pricing, as well as projections of electricity and natural gas prices.
- **Customer attribute data synthesized from multiple reputable sources**, providing the most verifiable data on every person and commercial entity in the U.S, down to the individual, household and business level.
- **Big data platform, and machine learning & artificial intelligence tools** developed for utility and non-utility data analytics solutions, including rich big data experience from working with DOD and Intelligence Agencies.

Our multi-disciplinary approach to problem solving, a diverse team, and our approach to partnering set us apart.

We understand that the nature of utility analytics challenges now and in the future requires both structural models and newer machine-learning-based approaches. Together, Navigant and TROVE provide analytics and model-building capabilities that bring together the tools best suited to the industry's analytics challenges. By partnering with your company, Navigant and TROVE can help streamline your approach to covering multiple data analytics needs.

Load Shape Analytics and Forecasting



Let's Talk

Navigant and TROVE have the components you need to develop a robust, collaborative, and sustainable approach to utility analytics. Contact us today about your needs so we can understand where you are in your journey and how we can help.