



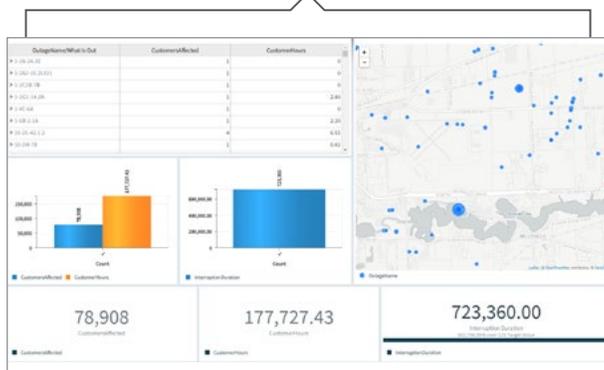
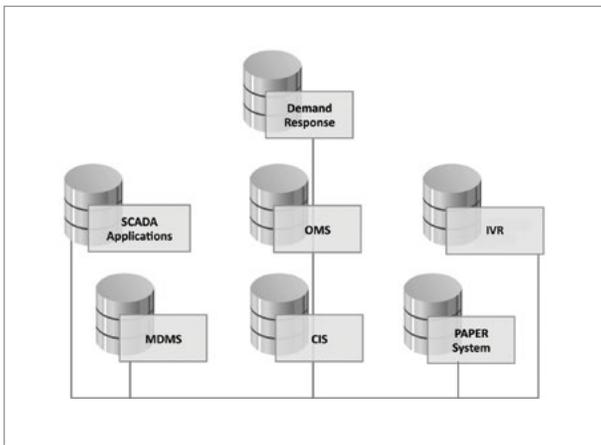
## Business Analytics Solutions for Utilities

Customer Service and Billing, Meter Data Analytics, and More...

Utility organizations today are facing new business challenges, from smart-grid initiatives and green-energy mandates to regulatory compliance, coupled with the need to maintain tight control on infrastructure assets and high-levels of customer service. To adapt to the changing landscape and meet these challenges, it is imperative for organizations to analyze and interpret large volumes of data, quickly and efficiently, at very high levels of granularity. This requires a new approach. Carriots Analytics® is a new-generation, cloud-based business intelligence platform for rapid decision-making to meet the needs of today’s utilities industry.

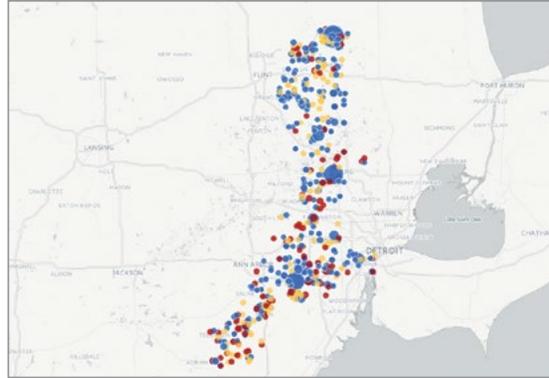
## Single View of All Utility Data Stores

Direct integrations with today’s popular data sources and analytic data engines.

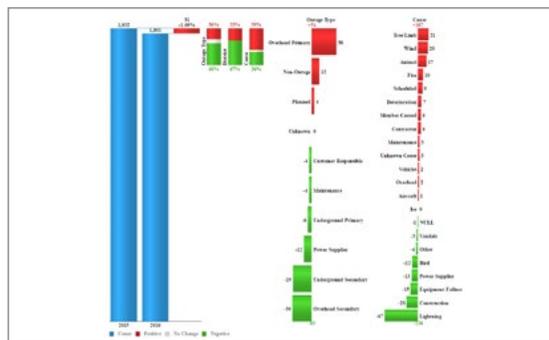


## Customer Service and Billing

Understanding the customer is key to any business; the ability to drill down into the customer service and billing data with no limitations on the number of dimensions in which to slice and dice the data is unique to Carriots Analytics. For utilities customers, Carriots Analytics allows drilling through data from an aggregated level to monthly revenues, by business units, by rate schedules, by accounts, down to such leaf-level items as the account owner and address.



Interactive maps with drill down capability



Year over year revenue comparison by service / account type

“More and more, utilities are requiring advanced BI functionality as part of their overall CIS deployment. We found that Carriots Analytics’s technology and scalability address both our short and long-term BI strategy and we are thrilled with what this partnership will offer CIS Infinity customers.”

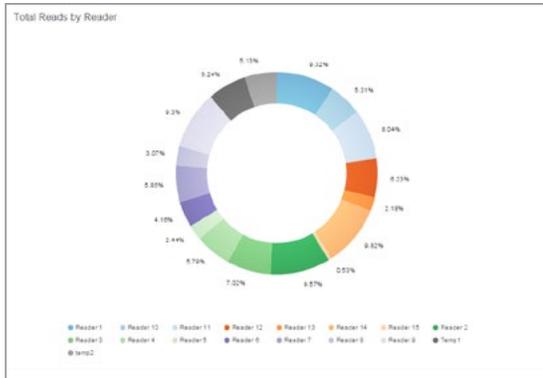
- Peter Fanous, Executive Vice President, Advanced Utility Systems

Carriots Analytics is embedded in Advanced/CIS Infinity Solution to help utilities improve their revenue stream and provide first-rate customer service.



## Meter Data Aggregation and Analytics

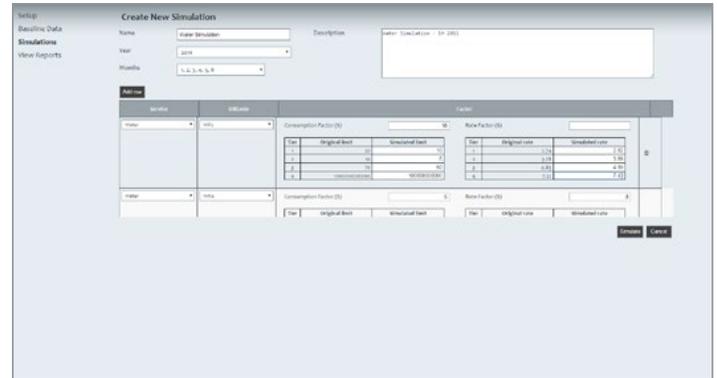
Managing the increasing size of utility data stores alone is a difficult task; but to efficiently access and use this information to guide everyday business decisions is even more challenging. Carriots Analytics’s ability to quickly process and multi-dimensionally analyze the largest data sets speeds response times, discovery and understanding for improved business performance and efficiency. For example, you can drill through the usage, misreads and skip-reads at an aggregated level for each of the services provided, by rate schedule, by meter route, to the actual meter reader.



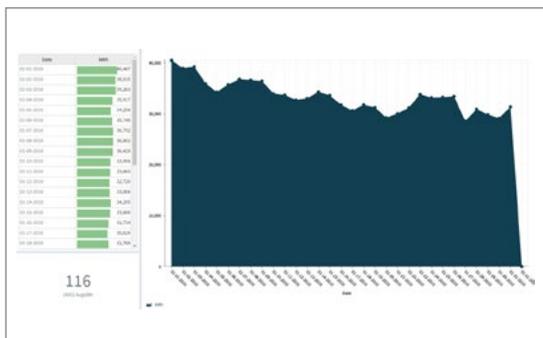
AMR - Monthly reads by each reader

## Rate Schedule Analysis and Optimization

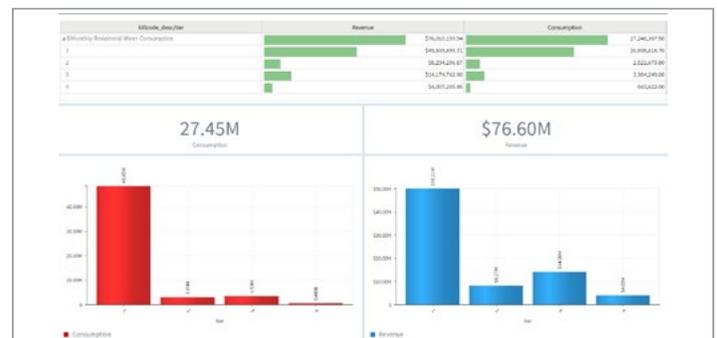
Carriots Analytics simplifies bridging and analyzing information from disparate sources such as customer information, billing, and meter information. In aggregation, this information can be used to perform sophisticated rate schedule analysis. By tailoring Carriots Analytics to your specific process and requirements, rate schedules can be analyzed for comparative what-if evaluations to assess bottom line impacts on rate schedule movement. This advanced analytics functionality takes your data beyond reporting to a new level that guides faster decision-making.



Rate schedule analysis



AMR - 15 minute interval reads



Detailed rate analysis and impact on revenue / consumption

## More About Carriots Analytics

Carriots Analytics is a cloud-based Business Intelligence (BI) platform for intuitive data visualization and decision-making. Carriots Analytics leads an advanced generation of BI technology, serving as both an end-to-end data visualization solution and a complementary software stack extension to perform higher-level data analytics.

Carriots Analytics empowers stakeholders across the enterprise to connect dynamically to multiple data stores and ad hoc data sets within a single unified environment. Complex business models can be easily created in Carriots Analytics's data engine to deliver unparalleled decision-making power.

[Carriots.com/Analytics/Utilities](http://Carriots.com/Analytics/Utilities)

Carriots Analytics is developed and supported by Altair®.

### About Altair

Altair is focused on the development and broad application of simulation technology to synthesize and optimize designs, processes and decisions for improved business performance. Privately held, with more than 2,600 employees, Altair is headquartered in Troy, Michigan, USA and operates more than 45 offices throughout 24 countries. Today, Altair serves more than 5,000 corporate clients across broad industry segments.

[altair.com](http://altair.com)

## Carriots Analytics Applications for Utilities

### Seamless System Integration

CIS, MDM, OMS, IVR, GIS

### Rate Schedule / Slab Analysis

Rapid visualization, delta comparative analysis

### Meter Data Aggregation / Analytics

Total / Average / Skip / Mis-reads by Class and Route

### Service Outage Analysis

Frequency / Root Cause Identification

### Capacity Planning / Asset Management

Trends / Peak Loads / Forecasting

## The Carriots Analytics Difference

- **Onboarding:** In the cloud or on-premise, visualize your data in minutes
- **Speed:** Sub-second navigation with zero query timeouts
- **Cost:** Patented licensing model, low cost of ownership
- **Simplicity:** Low IT administration, no infrastructure upgrades
- **Scalability:** Connect and easily navigate massive datasets
- **Flexibility:** Complements existing infrastructure, no disruption
- **Empowerment:** Self-service user experience
- **Technology:** Go beyond reporting, optimize your decisions

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LEARN MORE AT [CARRIOTS.COM/ANALYTICS](http://CARRIOTS.COM/ANALYTICS)



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