RESEARCH REPORT SUMMARY

Guidehouse Insights Leaderboard: AI Vendors for DER Integration

Assessment of Strategy and Execution for 14 AI Vendors for DER Integration

Published Q4 2021

Guidehouse Insights has published its newest AI Vendors for DER Integration Leaderboard, a ranking that evaluates solution providers across 12 essential metrics with a focus on grid management, demand side management, and customer-centric applications.

Of the 14 AI vendors for DER integration included in the Leaderboard, 4 are OEMs and 10 are data analytics and software as a service (SaaS) providers. Among the data analytics and SaaS vendors, Bidgely is ranked as a top 5 Contender.

	Bidgely	Grid4C	Uplight
Vision	70	68	55
Technology	77	80	60
Product Portfolio	80	68	55
Overall	70.8	65.8	64.8

BIDGELY'S WINNING APPROACH

The Contender category includes companies that only offer customer-centric, demand-side management or grid management applications, but Leaderboard identifies holistic application portfolios as more impactful.

Analysts describe how Bidgely uses non-intrusive load monitoring from smart and non-smart meters to holistically "serve groups across the utility — including demand side management, electrification, grid planning, load research, and regulatory — helping utilities to drive progress and eliminate silos that traditionally existed."

The value of this approach is exemplified by what Guidehouse calls Bidgely's "end-to-end EV solutions for utilities and their customers." The report calls out how the company's EV solutions help utilities "engage customers during the purchasing and program enrollment process, model and plan for the integration of EVs on the grid, and influence EV owners to shift charging behaviors during peak and off-peak hours" as well as assisting utilities throughout their regulatory journey.

Solar initiatives benefit from this approach as well. Bidgely is able to detect homes with solar panels for their distinct data signature over the course of the year and estimate their solar energy production without a separate meter feed or real time telemetry.

ANALYTICS WORKBENCH FACILITATES DER INTEGRATION

Analysts emphasize the "importance of advanced analytics to help grid operators extract additional insights from available data to successfully integrate DER for the benefit of the broader grid and customer."

Analytics Workbench, Bidgely's Enterprise Analytics solution, provides precisely that level of essential DER data insight. The Leaderboard highlights Analytics Workbench's ability to enable "multiple stakeholders within a utility to directly address challenges around four key areas: demand side management, EVs, solar PV, and load research" and support utility-wide use cases including "grid analytics, EV analytics, rate design, load research, soft M&V, demand side management targeting, and market segmentation." In particular, the report calls out how Analytics Workbench can be used "to map grid assets on top of customer analytics to pinpoint geographical hot spots of power capacity challenges and impacts on grid components."

AN INDUSTRY-LEADING PATENTED DISAGGREGATION FOUNDATION

Analysts say Bidgely's six approved patents in energy disaggregation and additional 11 pending patents solidify the company's place "as a leader in the energy and load disaggregation market."

Bidgely's patented disaggregation technology allows for upwards of 90% accurate detection and estimation of distributed solar generation as well as EV charging loads and batteries (that are on net metering).

Learn more about Bidgely's DER analytics applications at
https://www.bidgely.com/solutions/enterprise-analytics-workbench