



Distributed Generation

The Future of Clean, Reliable and Affordable Power Generation

Today's power sources and electrical grids are on the cusp of a once-in-a-lifetime transformation, giving energy buyers more choice, value, and innovation. Thanks for falling costs, increasing efficiency, and new business models, technologies like distributed solar, small wind, and energy storage are coming together to disrupt power industry incumbents. Lux Research scouts throughout this value chain and range of technologies, helping clients – including energy buyers, system integrators, suppliers, and utilities – devise strategies to capitalize on the rise of distributed generation. We assist decision makers by:

- > Using technology scouting to quantify the costs and performance of distributed generation, both today and its roadmap for the coming decades
- > Evaluate competing companies and their differentiators based on in-depth interviews, case studies, and other proprietary primary research
- > Monitor innovations from a variety of developers, and how they are making their way across the value chain to reach end users
- > Understand how a shifting policy landscape is affecting the deployment of distributed generation
- > Quantifying business cases and how they vary by geography, system size, type of customer, and other criteria, using our proprietary DG Decision Engine tool

Lux Research Difference

The Lux Distributed Generation Intelligence service is unique because it is:

Proprietary

Offers exclusive insights from primary interviews and site visits

Opinionated

Makes decisive calls about companies and technologies

Unbiased

Obtains objective/independent information and delivers impartial analysis

Confidential

Allows clients to secure information about innovators without revealing their identities

Cost-effective

Costs far less than expensive consultants or a resource-intensive internal team

Intelligence Access

For more information on how to access the Lux Distributed Generation Intelligence service, contact your Lux Research account manager, or call +1-888-589-7373 or +1-617-502-5300. Send email to info@luxresearchinc.com. Visit us on the web at www.luxresearchinc.com.

Sample Distributed Generation Topics

Technologies

- > Distributed solar photovoltaic
- > Micro-hydro
- > Wind turbines
- > Batteries, including Li-ion, flow
- > Fuel cells, including SOFC, PEM
- > Advanced diesel generators
- > Natural gas turbines
- > Power-to-gas electrolyzers
- > Waste-to-power and waste heat recovery
- > DERMS software
- > Load disaggregation software
- > Energy analytics software
- > Simulation and modeling software
- > Distribution system power electronics

Applications

- > Renewable integration
- > Commercial baseload power
- > Power backup and reliability
- > Microgrids
- > Off-grid and weak-grid
- > Residential energy generation
- > Home energy management
- > Virtual power plants
- > Demand response
- > Utility of the future

Companies

- > JuiceBox
- > Bladon Jets
- > Oxis Energy
- > Eocycle
- > Ceres Power
- > Yeloha
- > Tesla
- > Ballard
- > Enphase Energy
- > Proton OnSite
- > SMA
- > Austin Energy
- > Panasonic
- > Hydro-Quebec
- > Google

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Research Membership Access

Lux Research members get on-demand access to Lux’s analysts, publications, and data across a set of emerging technology domains customized to their needs. Analysts with deep expertise in each domain provide ongoing market intelligence and technology scouting to help executives find new business opportunities and make better decisions.

Membership Benefits

Executive Sessions

Lux Research analysts regularly structure and deliver Executive Sessions – typically half-day to full-day onsite interactive meetings, which are a combination of Lux Research presentations and working sessions – that allow clients to tap more deeply into Lux data, methodologies, and insight.

Member Site

Lux Research’s ongoing series of Company Profiles, Journals, and Market Reports provide a wealth of information. To access these publications and quickly find the information you need, clients can use Lux Research’s Member Site.

Market Analysis

Lux Research analysts’ deep understanding of the underlying technologies makes them uniquely qualified to provide insightful market analysis of emerging technology areas. Drawing on extensive primary research for technical and market insight, Lux Research helps clients understand market opportunities through:

- Market Reports
- Analyst Insights
- Data Trackers

Company Profiles

The core of Lux Research’s Intelligence services are our ongoing briefings – analysts select 50 to 125 leading innovators in each emerging technology field and publish primary-research-driven, opinionated, quantitative profiles of these players. These profiles are delivered to clients in email and available online through the Member Site.

Analyst Inquiries

In addition to accessing Lux Research’s written research in the form of Company Profiles, Journals, and Market Reports, clients can also contact Lux Research analysts, who will quickly answer custom questions based on their ongoing research into emerging technology areas.

Visualization Tools

Lux Innovation Grids

Lux Research collects information and provides analysis on top innovators in emerging technology areas through company briefings. The Lux Innovation Grid uses data and insights from these profiles to compare companies.



Spider Charts

Lux Research uses spider charts to show a technology provider’s scorecard, rating the company on 10 critical success factors, and compares it to other companies in the market in which they participate and the broader area of companies in their technology space.



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