

New Energy Business Model Service



About LCP Delta



Our mission is to enable a better, faster energy transition for all

Founded in 2004 and based across the UK, France, Norway, the Netherlands and beyond, LCP Delta provide data-driven research, consultancy, technology products and training services to companies investing in and navigating the energy transition.

We are a diverse team from a variety of backgrounds including engineers, data analysts, environmentalists and more.

LCP Delta is a mission driven organisation - all of us want to make a difference to the energy transition and accelerate the path to a low carbon future.

The energy market is becoming increasingly complex. As consumers become more empowered and as energy systems around the world decarbonise, there is a need to understand both the generation and demand side to effectively navigate the rapid changes occurring.

We know it's a complicated topic, and we're here to help.

Andy Bradly, Partner, LCP Delta

LCP Delta was formed through the merger of Delta-EE and LCP Energy to bring together deep generation and consumer-side expertise, to provide our clients with a single partner to help them on their journey and provide them with a 360° view across the energy spectrum.





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Jon Slowe Partner jon.slowe@lcp.com







LCP Delta provides the best advice, support and tools to enable the energy sector to drive the energy transition



Subscription research services

Our portfolio of subscription research services offer in-depth insights across the energy transition landscape. We have been undertaking primary research with organisations active in the energy transition since 2004 – we have an unparalleled international network of contacts we can draw on. Each service focuses on a particular aspect of the energy transition.

Market and strategic advisory consulting

We provide support across the full energy value chain with bespoke research, insight, forecasts and advice tailored to them. Our consultancy offerings draws on expertise and data from across LCP Delta, from strategic market entry analysis through to detailed half-hourly revenue forecasting.



We support our clients in four ways



Technology & data

Data integration and analysis is at the heart of the energy transition. However, sourcing and navigating complex, wide-ranging datasets is challenging. At LCP Delta, we combine and curate proprietary and public datasets to provide you with a single source of truth across the energy spectrum and make this data interactive using our cutting-edge technology.

Training

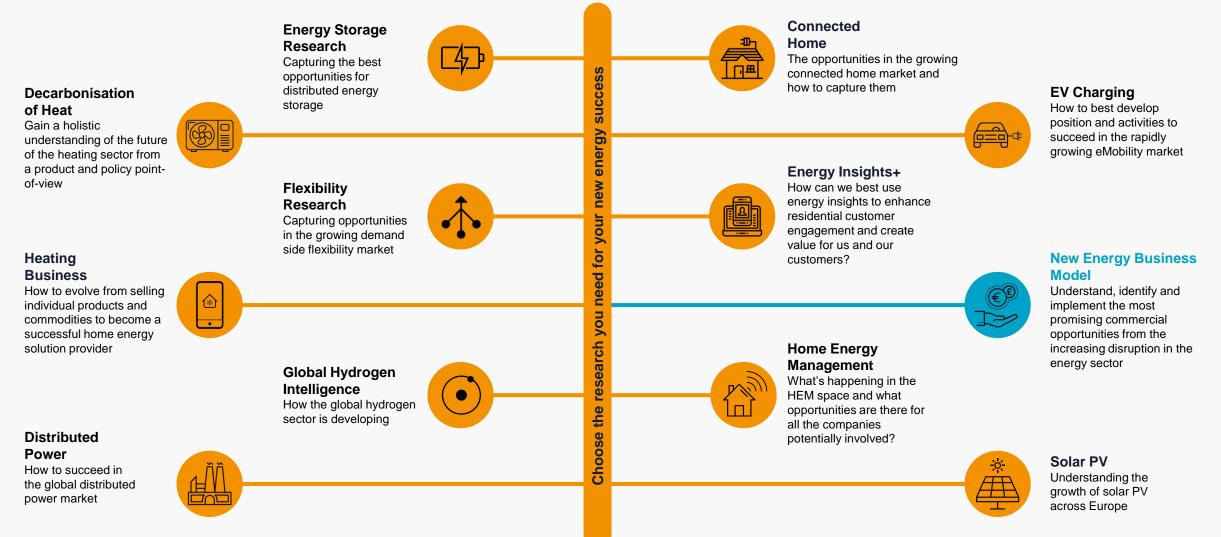
Our training helps professionals quickly develop their new energy knowledge, accelerating their impact for organisations who want to capture opportunities. We provide meaningful, concise and easy to understand short courses.





Subscription Research Services

Use a combination of our subscription research services, bespoke consultancy projects and training services to gather the information you need to ensure your business's success in the energy transition.



Energy incumbents and disrupters are **playing different games**. The new energy industry is split between value & growthoriented players.

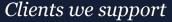
We explore the innovative business models proposed by both incumbents and disrupters, taking account of external factors such as policy, finance and technology.

Incumbents want to...

- 1. Maximise profits
- 2. Calibrate their investment, and balance it against their legacy business
- 3. Enter markets that show a clear and steady path to profitability.
- 4. Satisfy their investors, who are looking for steady income and predictable returns
- 5. Minimise risk and brand damage at all costs.

Disrupters want to...

- 1. Achieve rapid expansion into new markets
- 2. Acquire large volumes of new customers
- 3. Scale quickly, regardless of immediate profits, to achieve market power and brand recognition.
- 4. Satisfy investors, who look for high growth and exponential growth for long-term gain.
- 5. Take risks "move fast and break things" - to seize opportunities before they are gone.













Govt, Regulators & System Operators

Oil & Gas Sector

Utilities

Energy Networks

Investors

LCPDelta



What is NEBMS for?

Providing data and actionable insight for companies that wish to transform energy retail

NEBMS is a research service that helps companies understand which propositions and business models are most likely to succeed as the energy transition starts to accelerate.

Who's it for?

Corporate Strategy, Innovation, M&A and cross functional product teams with a strong focus on the energy transition

Energy companies

Energy manufacturers

Software providers

Investors & VCs

What questions are we trying to answer?

- 1. What is the best way to adapt my business model to be successful in the energy transition?
- 2. What are my competitors doing on energy tariffs and selling energy products / energy services
- 3. What new innovations on propositions and business models are out there that I can take inspiration from?
- 4. What new innovators are out there that I can partner with or look to acquire?
- 5. What do customers think of new products and propositions in the energy transition

Key content

1. Energy Tariffs

How have retail energy tariffs changed year on year, what are the emerging trends, and are there any new entrants?

- 2. Innovator Landscape Annual review of interesting new companies, propositions and trends in the energy market.
- 3. Beyond box shifting What approach are suppliers taking to energy products and services, how is it changing, what new innovations out there?
- 4. Customer view

Summary of what customers think of the energy transition, what do they think of tariffs, tools to manage their energy use and low carbon products.

5. Key Enablers & Transition Priorities Green finance, AI, energy communities, vulnerable customers..

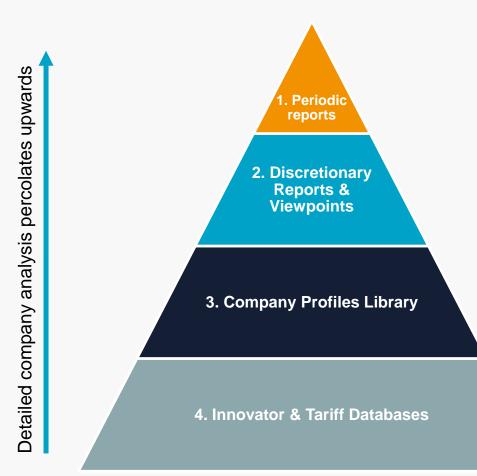


Structure



Service Content Plan (1/2)

The service is designed on a "bottom-up" rather than "top-down" principle



Typically, **30-50 pages long**, offering a deep dive into an important new energy topic. We release one periodic report every quarter.

Discretionary reports can be of variable length but up to **40 pages** long. **Viewpoints** are usually shorter, opinion pieces of **5-15 pages**. We produce at least two discretionary reports or viewpoints every quarter.

Company profiles offer a detailed analysis of a single company or business model that we find especially innovative. We produce them throughout the year.

The **innovator database** provides a broad view of innovators across Europe's new energy landscape. The **tariff database** does the same thing for retail energy tariffs. They are updated at least annually.

Service Content Plan (2/2)



Current themes:

- 1. Engaging, and collaborating with customers
- 2. Maximising the value of data and Al
- 3. Risk management tariffs and energy services
- 4. Moving beyond boxshifting – finance and digitalisation

Periodic reports (updated annually)

- Energy Tariff Landscape (every Oct/Nov) how have retail energy tariffs changed year on year, what are the emerging trends, and are there any new entrants?
- Innovator Landscape (every Feb/Mar) annual review of interesting new companies, propositions and trends in the energy market.
- Beyond box shifting (every May/Jun) what approach are suppliers taking to energy products and services, how is it changing, what new innovations out there?
- Customer view (every Aug/Sep) summary of what customers think of the energy transition, what do they think of tariffs, tools to manage their energy use and low carbon products

Supported by discretionary reports on key themes (typically, two per quarter)

- **Digital and AI** (e.g., the rise of app only suppliers)
- **Green finance** (e.g., rental and leasing business models)
- **New competition** (e.g., the role of manufacturers in energy supply)
- **Impact of new energy policy** (e.g., impact on business models for the move to HH settlements)
- **Community energy** (e.g., what role can energy companies have in enabling energy communities)
- **Supporting vulnerable customers** (e.g., business models for a fair transition)

Data Products supporting the service

Company profiles – detailed analysis of a particularly disruptive business model or company **Tariff database –** an overview of different types of tariffs in the market for key European markets

Innovator database – an overview of innovative and disruptive companies



Content Plan

Plan is subject to change and depends mainly on <u>client feedback and requests!</u>

Project	Q	3 2023/2	24	Q	4 2023/2	24	Q	1 2024/2	25	Q2 2024/25			
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Periodic Reports													
Smart Tariffs													
Smart Tariffs Database													
Innovator Landscape													
Innovator Database													
Beyond box shifting													
Customer view													
General Reports and Viewpoints													
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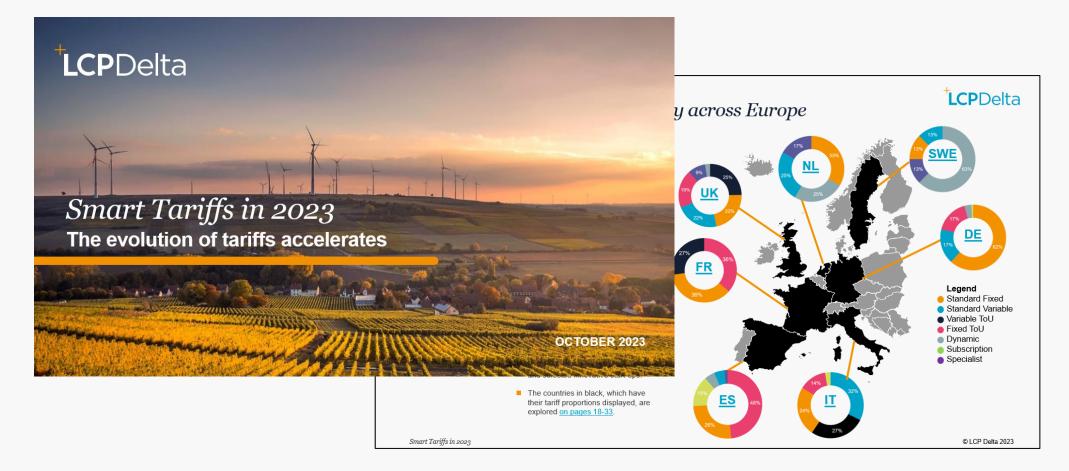


Reports, viewpoints and databases



Report Example

Understand the latest disruptive technologies and trends that are shaping new business models





Viewpoint Example

Understand the latest disruptive technologies and trends that are shaping new business models

⁺LCPDelta

Generative AI wil transform the way energy companies talk to their customers

Executive summary

The launch of ChatGPT, and other Generative AI tools, w have a profound impact on retail energy.

The 2022 launch of ChatGPT has had a seismic impact on businesses and indivi and left policymakers wondering about how to exploit and regulate AI. The public discussion extends far beyond energy but its impact on our industry will be drama

"Classical" AI has already become integral to demand forecasting and consump analytics, but its newer "Generative" cousin will open a new frontier in language processing and enliven and inform the user experience.

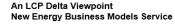
Status of AI in the retail energy sector today

There are two types of AI. Classical AI refers to the use of AI for analytics and forecasting, to make sense of numerical data. The key concept here is prediction, the AI producing forecasts based on information from reliable sources.



Figure 1 - Classical AI makes predictions based on numerical inputs

Generative AI is used to support language processing, image recognition and cri and production of programming code. It can handle a broad range of data without needing an initial data curation or cleansing phase.



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(000)	<u> 19</u> 2	O V	- 51
Prompts, conversational input	Generative Al	Synthesis & generation	New, oreated output (test, images)

The challenges with Generative Al include privacy concerns, cybersecurity, an peculiar issue of how to deal with 'hallucinations', or the wildly inaccurate claims the technology sometimes makes. There is no significant player in the energy see that has fully tackled these issues yet.



Figure 6 - Microsoft Bing allows users to vary the AI's 'temperature' setting

There are limitations to Generative AI's capabilities. For instance, a task as complex as writing a complete novel poses a huge challenge. While an Al can mimic the styles and patterns it has learned, it struggles with maintaining long-term consistency and coherence, which are obviously crucial elements in novel-writing. Additionally, it lacks genuine understanding of human emotions, motivations, or experiences. Its function is primarily mimicry, without the deep comprehension a human author possesses.

4. The range of benefits arising from AI is impressive.

There will be major benefits for both customers and energy companies, including

- A new wave of advanced chatbots to address customer queries
- Personalised customer experience. Advanced Home Energy Management
- Operational savings for energy players
 Predictive trading.

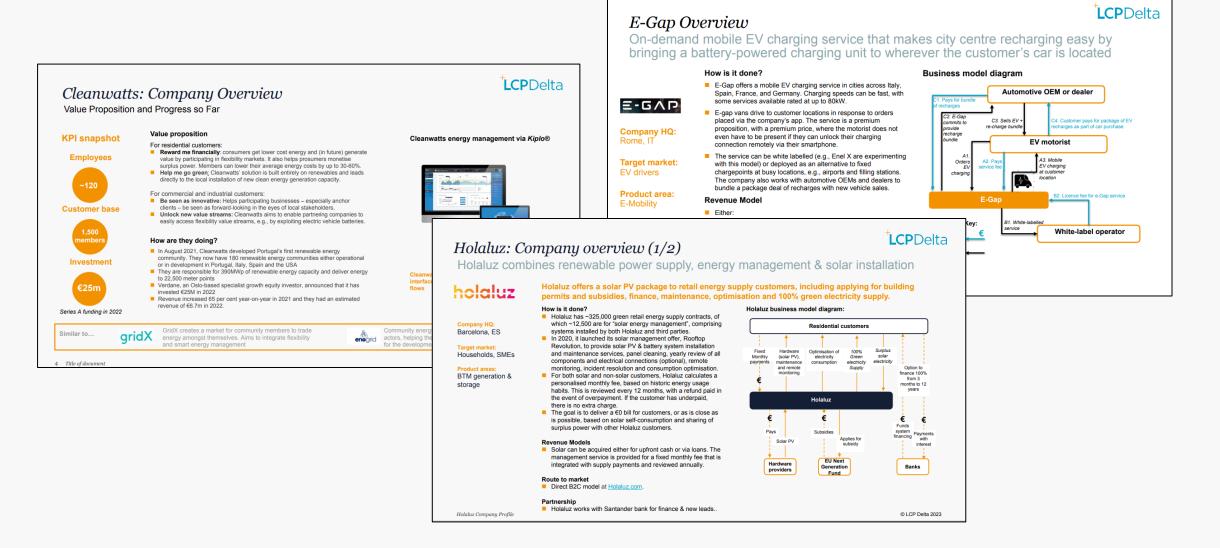


Figure 7 – AI will deliver a wide range of benefits.



Company profiles

Detailed case studies of innovative customer propositions to learn from and be inspired by





Tariff and Innovator Databases

Information and analysis making it easy to compare competing propositions

Databases with detailed data on the country focus, customer type, key characteristics and performance of new business models across the energy transition landscape

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Status and outlook

New Energy Business Model Service

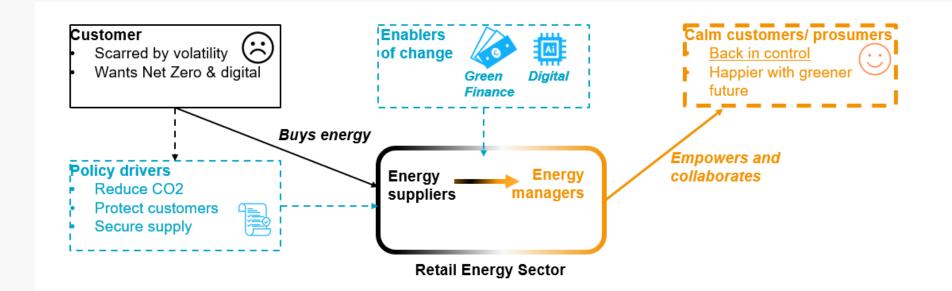


NEBMS Service Focus

"Supplier of the Future" thesis forms foundation of remodelled service – i.e., **suppliers will become energy managers**

Service adopts an energy company-centric view

- Deeply oriented around shift from kWh to service-based models
- Explores the propositions that will win with customers in the rest of the decade.



The traditional energy supplier business model is adversarial, with a perverse incentive to encourage customers to consume more. This is inconsistent with today's goals to reduce consumption, improve energy efficiency, cut CO2, and protect customers from price volatility.



Existing and upcoming reports and viewpoints

Release date	Report title
Feb 23	Accelerating the transition to net zero housing – Business models for deep energy retrofit
Mar 23	Is there an opportunity in providing public EV charging services?
May 23	Home Energy Management – the journey to revenue generation
Jun 23	Supplier of the Future – the need for change
Jun 23	NEBMS Quarterly Digest
Jul 23	State of New Energy Market (+ database)
Aug 23	Generative AI will transform the way energy companies talk to their customers
Aug 23	Fundamentals of Building Energy Management
Sep 23	NEBMS Quarterly Digest
Oct 23	Smart Tariffs in 2024: The Evolution of Tariffs Accelerates
Nov 23	Smart Tariffs Database
Dec 23	Energy Suppliers & Community Energy (+ case studies)

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Mar 23	Is there an opportunity in providing public EV cha services?	arging
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Nov 23	Smart Tariffs Database	
Dec 23	Energy Suppliers & Community Energy (+ case s	studies)
Jan 24	The changing face of Smart Energy Bundling	
Jan 24	Protecting customers - Social tariffs, price caps, measures	other
Jan 24	NEBMS Quarterly Digest	© LCP Delta 2024

New Energy Business Model Service



Release date	Report title
Jan 24	The changing face of Smart Energy Bundling
Jan 24	Protecting customers - Social tariffs, price caps, other measures
Jan 24	NEBMS Quarterly Digest
Feb 24	Innovator Landscape & Database
Feb 24	A fresh look at dynamic tariffs
Mar 24	Green Finance – How Not Why
Mar 24	Viewpoint: Centrica and Octopus are playing the same game in very different ways. Who's got it right – the incumbents or the disrupters?
Apr 24	How can energy companies improve customer loyalty?
Updated every month	Case studies: new and updates

Firm plan

Still open for input!

Contact Us



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About LCP Delta

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