



REA LFG July
2018

The Future of Energy



DATA & TECHNOLOGY

- IoT Devices
- Scalable Cloud
- Real-time Optimisation



Virtual Power Plant

MARKET ACCESS

- Wholesale
- Grid Balancing
- Transmission & Distribution

CUSTOMERS

(Business + Renewables)

- Value
- Control
- Transparency



259

Customers

300MW

Power Purchase Capacity

143MW

Battery capacity

185MW

Flexible Capacity

50

Employees

800 BILLION

Customer data points
collected per year

97%

Carbon emissions saving





BATTERIES

LJ SMART DEVICES

- Pgm. Logic controller
- High speed data logger
- Sub-controller
- Frequency injector



BUSINESS ASSETS

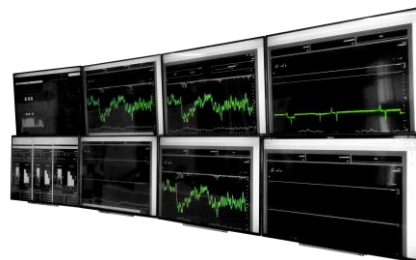
- Chillers
- Hydro Plant
- CHP Engines
- LFG Generators
- AD Generators

THE CLOUD

- Live data processing
- Real-time algos
- DB cloud storage

OPS & TRADING CENTRE

- Operations dashboard
- Trading dashboard
- Access to live asset issuing
- Assets dispatch controller



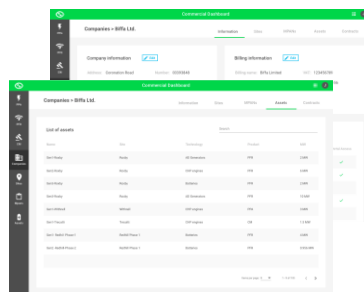
CUSTOMER PORTAL

- Access to statement
- Live performance data
- Forecast control
- Real-time market data
- Live support chat



COMMERCIAL PLATFORM

- Product quote tool
- Companies management
- Billing control



**Selling LFG Output to
Maximise your Power
Price**

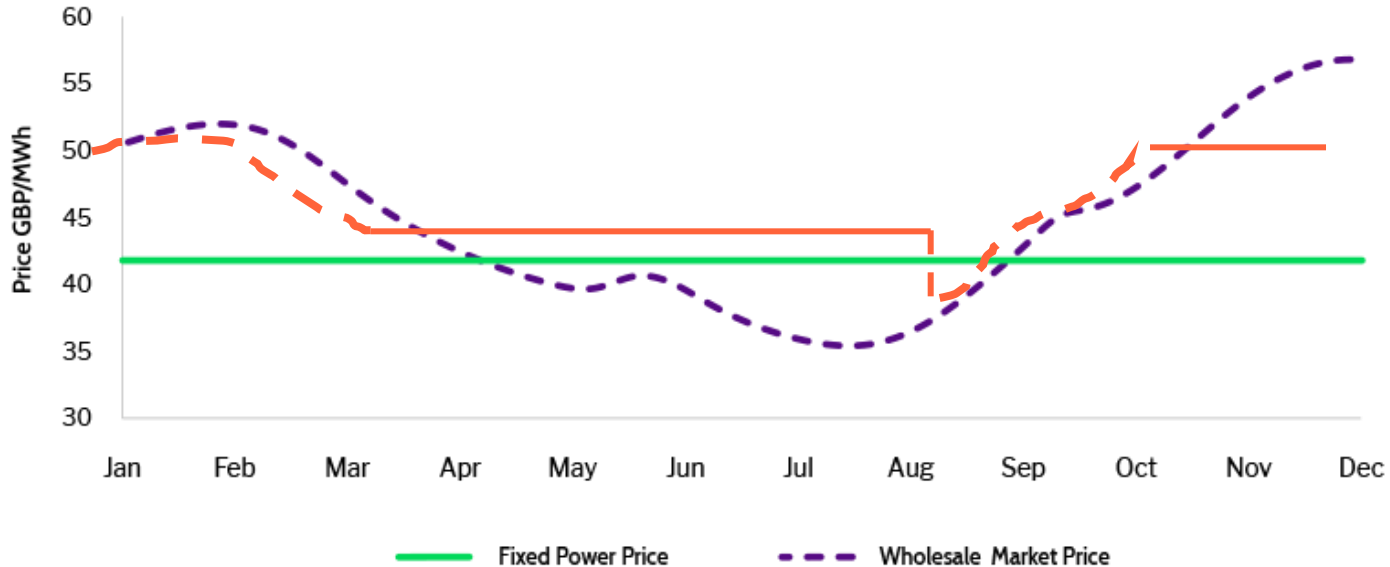
**Monetise Flexibility
Capitalise on
Volatility**



Flexible vs Fixed

Choose the Right Power Purchase Agreement

Track and Trade



Daily Price Variation

Pick the Best Day to Renew

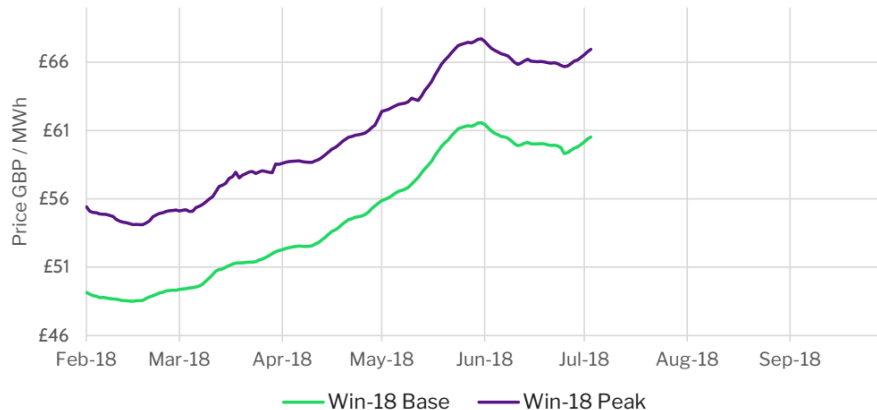
Power Prices (fair value)

UK Power Baseload (£/MWh)

	Current	Previous	Change
Aug-18	55.45	54.60	0.85
Sep-18	57.85	57.00	0.85
Q4-18	61.35	60.95	0.40
Win-18	61.95	61.55	0.40
Sum-19	50.55	50.30	0.25

UK Power Peak (£/MWh)

	Current	Previous	Change
Aug-18	59.30	58.00	1.30
Sep-18	61.10	60.40	0.70
Q4-18	67.50	67.15	0.35
Win-18	67.90	67.60	0.30
Sum-19	54.00	53.50	0.50



Within Day Price Variation

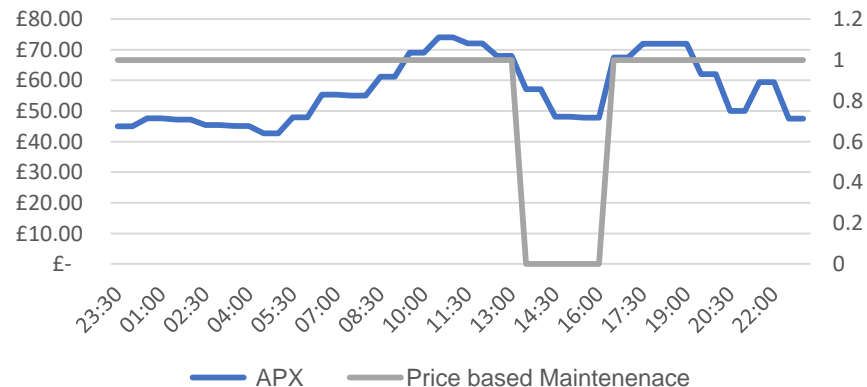
Shape Your Generation



Planned downtime/ Maintenance based on prices

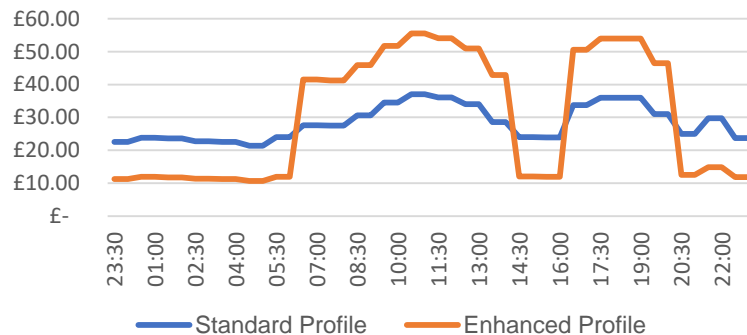
Difference of Mid day maintenance and Peak
5.43% saved in lost revenue

2 hour Maintenance during mid-day price dip



Standard running profile vs Enhanced profile for daily shape
7.78% increase in revenue

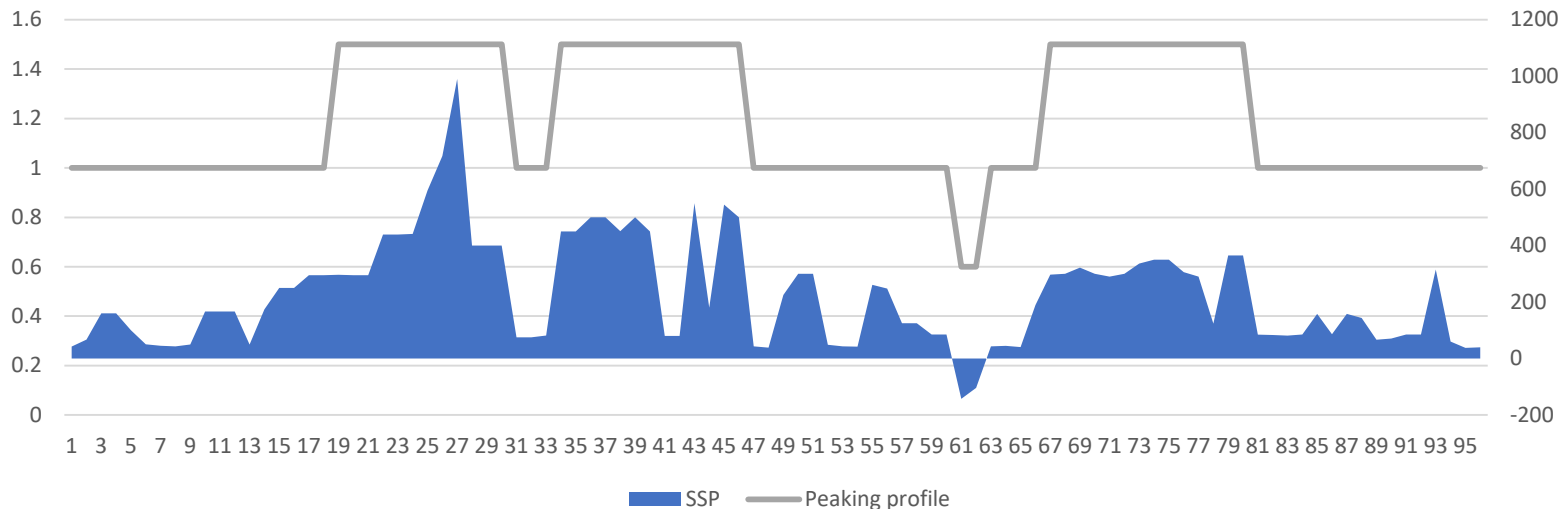
Financial impact of enhanced running profile



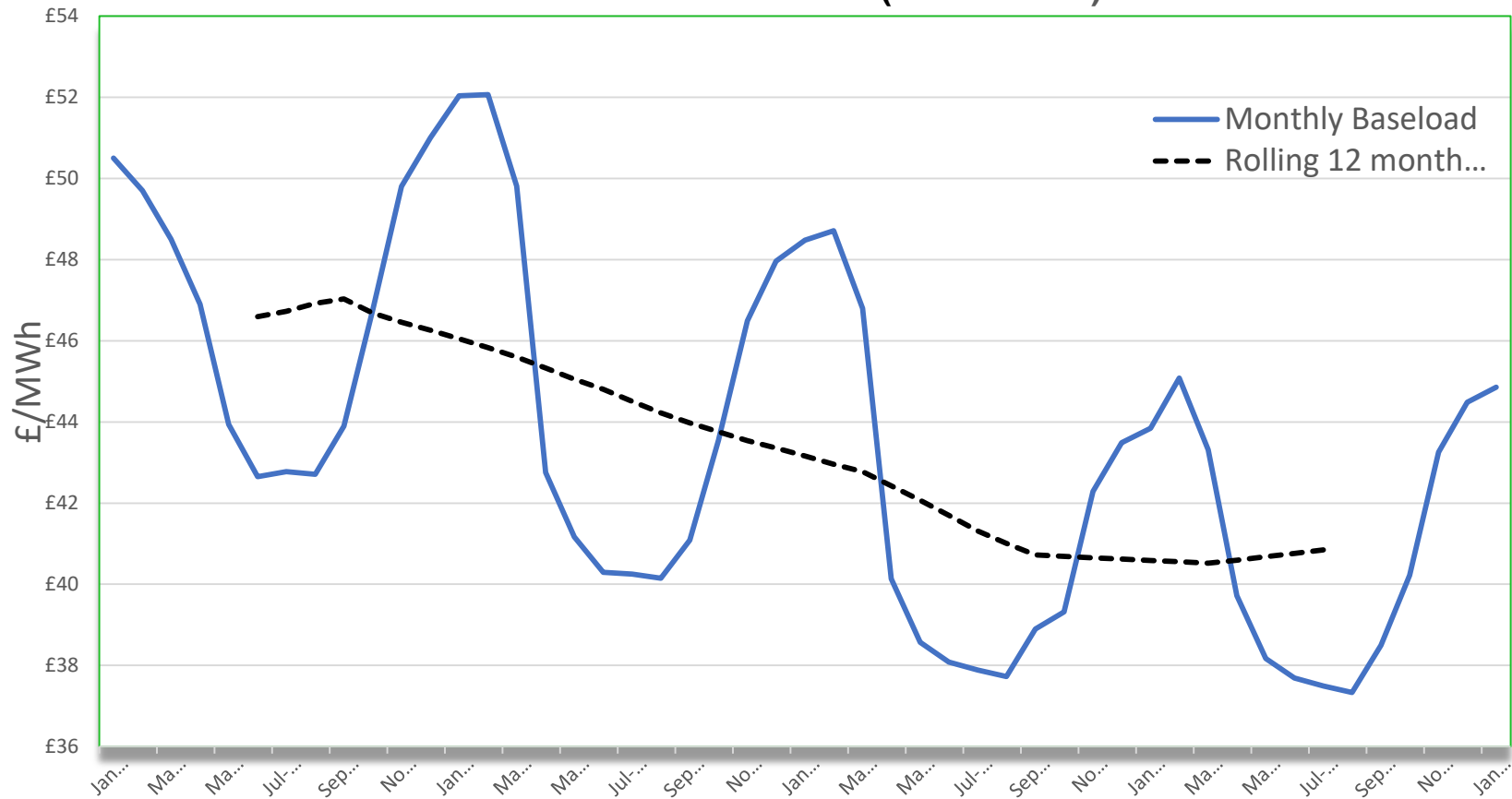
End of February / Early March Cold snap and Price Volatility

Peaking for system prices
380% Increase in revenue

Peaking output during high System prices

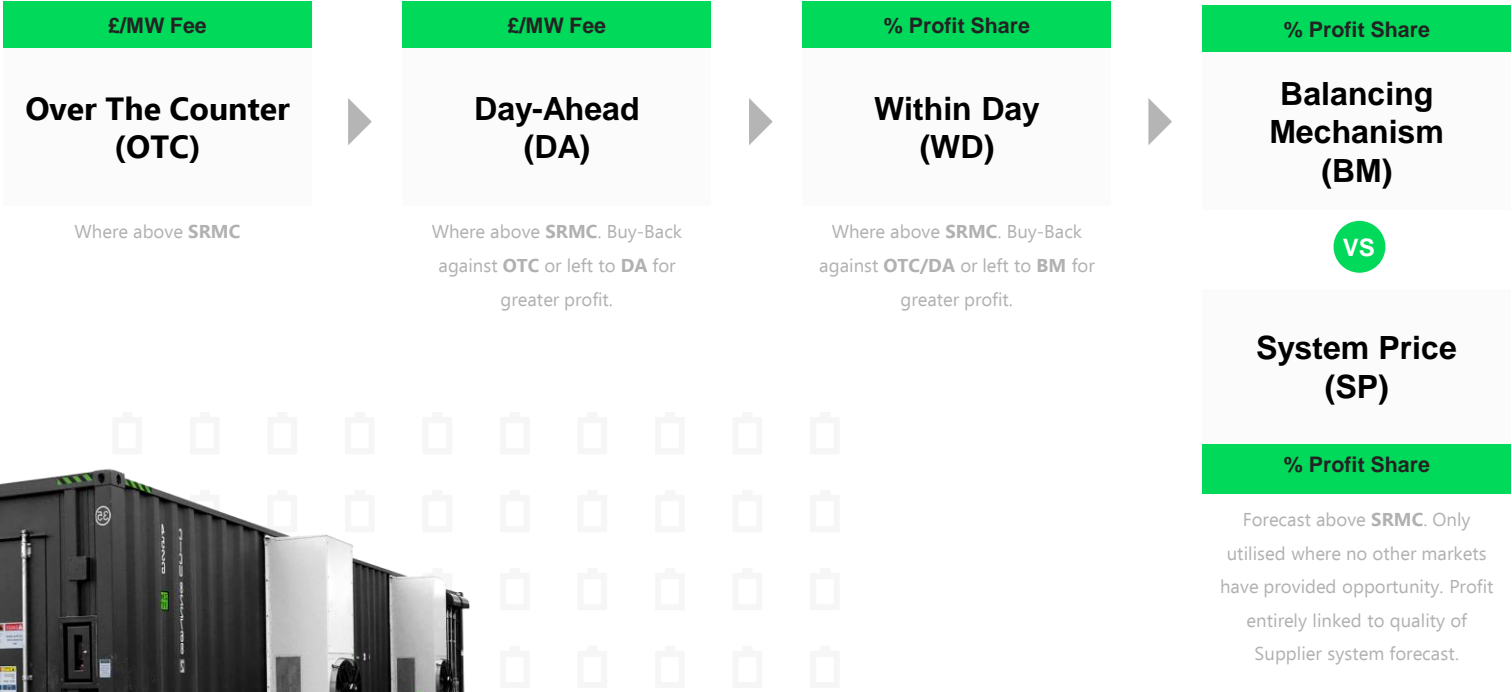


UK Baseload Power Curve (as of Jan-18)

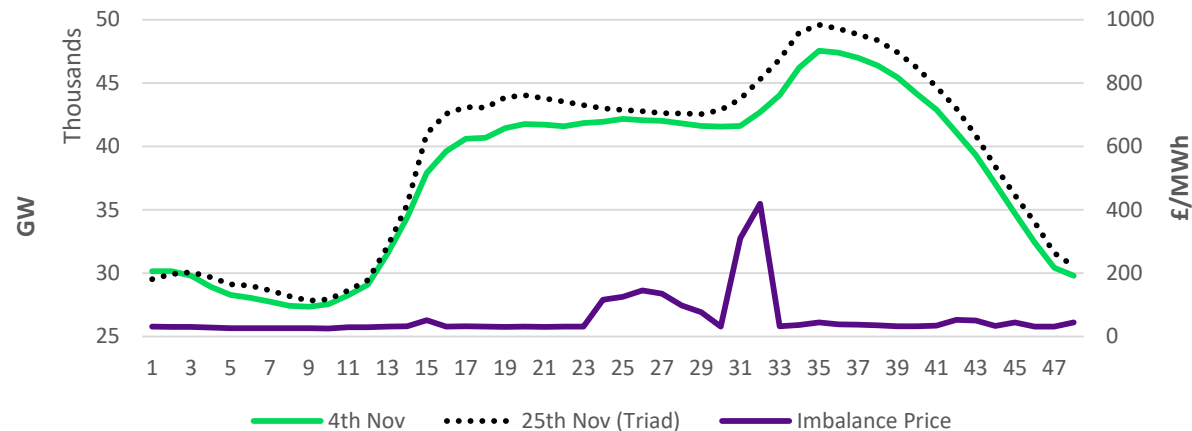


The Future Flexibility LFG Trending

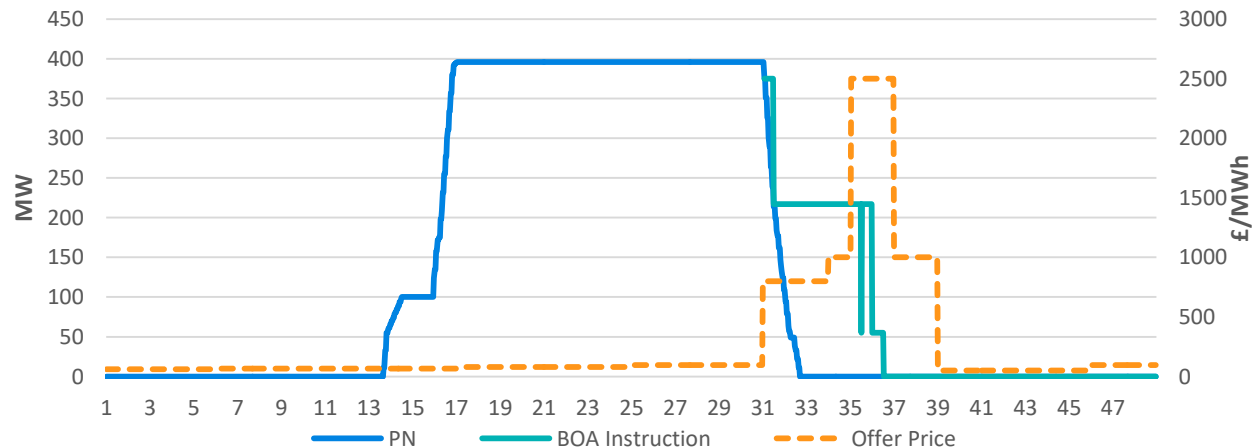




High system prices event in BM



- 4th of November 2015
- Peak Demand = 48 GW
- System Price = £38.40 /MWh
- Offer Price = £2,500 /MWh



WHO WE WORK WITH



OXFORD CAPITAL



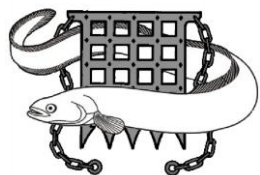
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SAVOY
LONDON



GREENE KING
BURY ST EDMUNDS



TEMPORIS CAPITAL

