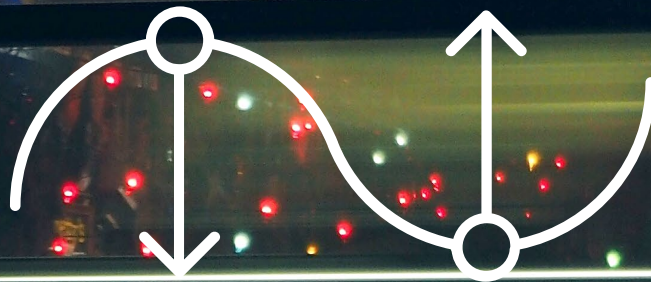


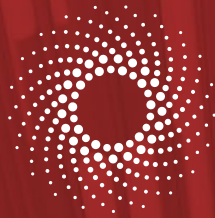
The journey to Demand Response

Unlocking value from your energy consumption

Product series
January 2018



The Power of Demand Response



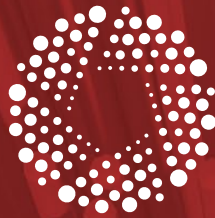
Powering Performance

Demand Response from Centrica Business Solutions can help you improve operational efficiency and optimize energy usage, while supporting the grid to balance properly and function effectively



Powering the Future

Demand Response can help you unlock opportunities through innovation and create a new revenue stream



Powering Resilience

Demand Response will help you take complete control of your energy

Breaking with tradition

The energy landscape is changing. Traditional methods of generating, managing and consuming power are becoming too inflexible to meet the requirements of large energy users. The competing forces around security, affordability and sustainability mean companies are actively seeking innovative ways of using energy. The so-called 4th Industrial Revolution is driving a comprehensive digitization of how industries operate. This is transforming the energy economy, as well as bringing new risks and new opportunities.

By partnering with Centrica Business Solutions, you can benefit from new energy technologies that provide a flexible range of Demand Response services. These not only save money and earn new revenues, but also provide data that can give you new insights on asset performance, energy consumption and process optimization.

Our Demand Response solution puts the power of power into your hands. It gives you control of your energy spend, precise visibility over how your energy is used, improved site resilience and even the opportunity to generate revenue from your energy assets.



What is Demand Response?

Demand Response services are relied upon by the Independent System Operator to ensure they can balance supply and demand at all times. The growth in renewable generation and the need to reduce carbon emissions are driving the requirement for Demand Response. It is already a vital aspect in maintaining grid stability, relieving network constraints and enabling establishment of local energy markets.

Centrica Business Solutions can help organizations optimize Demand Response strategies according to business needs and operational capabilities.

Every solution we provide is as individual as the specific business. Unlike other suppliers who take a 'monitor first, analyze later' approach, we use our Panoramic Power insights solution to monitor and report energy consumption in real-time.

Pinpointing consumption on every piece of equipment allows for optimum curtailment planning. Live, real-time energy data from all devices where the sensors are placed allows a business to monitor their energy spend live and react appropriately, avoiding the risk of underperformance.



Right-sizing your curtailment plan

Traditional methods of setting a curtailment plan can create challenges and uncertainty for businesses. Finding the right level to maximize revenue streams without overcommitting can be difficult, especially as seasons and business needs change. Demand Response from Centrica Business Solutions solves those challenges with our Panoramic Power insights solution.

Panoramic Power captures device-level insight in real time from non-invasive sensors to help you to identify the precise amount of curtailment for an event.

Once you're participating in Demand Response, you can monitor your performance during an event in real time with PowerRadar, the online platform that shows your Panoramic Power insights in real time. You'll receive notifications on your desktop or smartphone alerting you if you're over or underperforming. This allows you to adjust your plan during an event, removing any guesswork, maximizing revenue to your business and decreasing your risk of underperforming.



What can Demand Response do for your business?



Monitor usage to reduce costs

Some Demand Response services enable you to reduce your energy bills by reducing consumption when demand charges are at their highest. It's also possible for organizations with onsite battery storage technology or other means of energy generation to use stored or backup power to cut grid consumption during expensive peak demand periods.

We use our energy market experience and analytic capabilities to warn you in advance when weather events are likely to happen. These critical periods are often when the grid experiences its highest peak demand and are used to assess your site's overall consumption. By turning assets down or off, or switching to any on-site generation assets (such as generators, Combined Heat and power (CHP) and batteries) at these times, you can reduce your site consumption assessment and thereby minimize transmission charges.

Other forms of Demand Response enable significant revenue to be generated 24/7 while monitoring asset power consumption.



Create value

Demand Response provides a number of revenue options, depending on how we connect and contract with you to the various energy markets.



Improve resilience

Panoramic Power insights can highlight operational issues to increase your site's resilience. The process of Demand Response involves a review of your energy consuming equipment to plan curtailment and ongoing monitoring and maintenance of equipment, to make sure your operations perform at an optimum – increasing your business resilience too.

Demand Response in five simple steps

Adapting the energy infrastructure of your organization to work with Demand Response may seem like a complex undertaking, which is why we've simplified the whole process for you.

1. Site assessment

There are many flavors of Demand Response. We start by gaining an understanding your organization's operations and what the specific opportunities could be for you, focusing in particular on energy assets and energy dependent processes.

We use our energy insights solution, Panoramic Power, to gain granular information (down to individual device level) and then use our cloud based analytics platform to look for improvements and additional technologies to help you maximize the value of Demand Response by identifying exactly where your curtailment can come from. Your curtailment plan can be exactly customized to your business at the device level with no guessing.

2. Equipment installed

All equipment is installed by experts, with no impact to the ongoing running of your site. Uniquely, Centrica Business Solutions provides flexible financing options that can allow you to avoid any upfront capital expenditure. As an important side benefit, the preparatory work for Demand Response typically identifies a number of points to be improved for site resiliency.

3. Recommendations

We develop an individually tailored Demand Response solution in collaboration with you – one that will maximize the value of your assets while ensuring your continued confidence in how your business operates. This can include a phased approach – so that your 'journey to Demand Response' is done at a pace that works for your business.

4. Activate revenue streams

Once enrolled, you'll begin to earn revenue for Demand Response. If and when events are called, you can see your performance in real-time on our integrated platform. This will allow you to identify gaps in performance or overperformance during the event so that you can course correct.

5. Demand Response equipment maintenance

We provide 24/7 monitoring of all Demand Response equipment as part of your contract, as well as direct access to our energy experts and ensure all equipment is appropriately maintained and updated throughout the life of the contract.

Want to know more?

Demand Response is generating new opportunities across all types of industry. Find out how we can help you power new levels of performance today.

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