

SSE VIRTUAL POWER PLANT

FOR A WORLD WHERE **YOUR ENERGY IS AN ASSET**

An innovative approach to helping you reduce
your energy costs and earn additional revenue.



sse
Energy Solutions

For a better
world of energy

FOR A NEW SOURCE OF INCOME

The electricity system is changing – and it’s changing fast. New technologies have rewritten the rules while demands for a low-carbon future have encouraged us all to think differently.

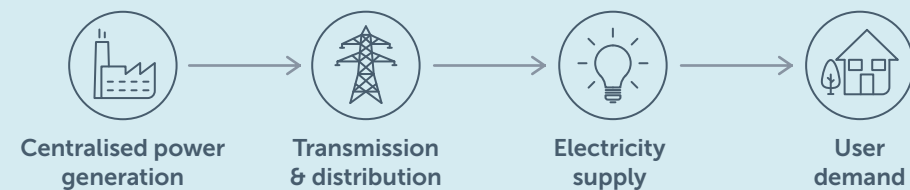
The electricity system used to solely rely on large power stations to meet daily electricity demand. However, advances in technology now allow the electricity system to call on a much broader range of generation, consumption and storage assets, creating a smarter grid that can be flexibly adjusted to meet demand throughout the day.

As the electricity system evolves, flexibility is becoming increasingly valuable. And, thanks to recent technological advances, unlocking this value is becoming easier and more accessible.

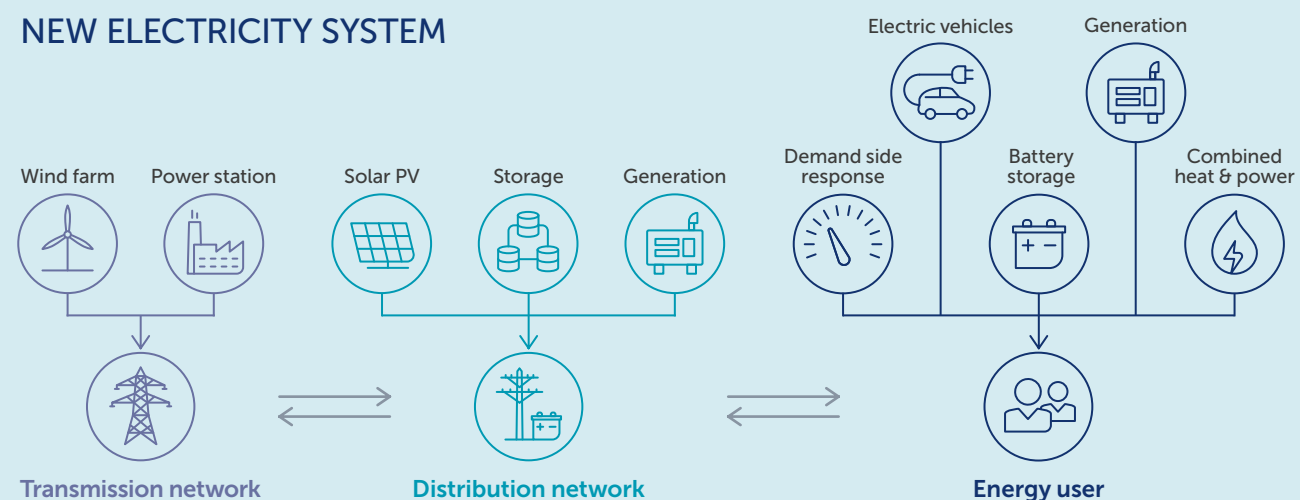
If you’re able to change how and when you consume or generate electricity or you have energy storage facilities, you can now access existing revenue streams and take advantage of new ones.

SSE’s Virtual Power Plant (VPP) has no upfront costs, won’t compromise your core operational requirements and can help you unlock the full potential of your energy flexibility.

OLD ELECTRICITY SYSTEM



NEW ELECTRICITY SYSTEM



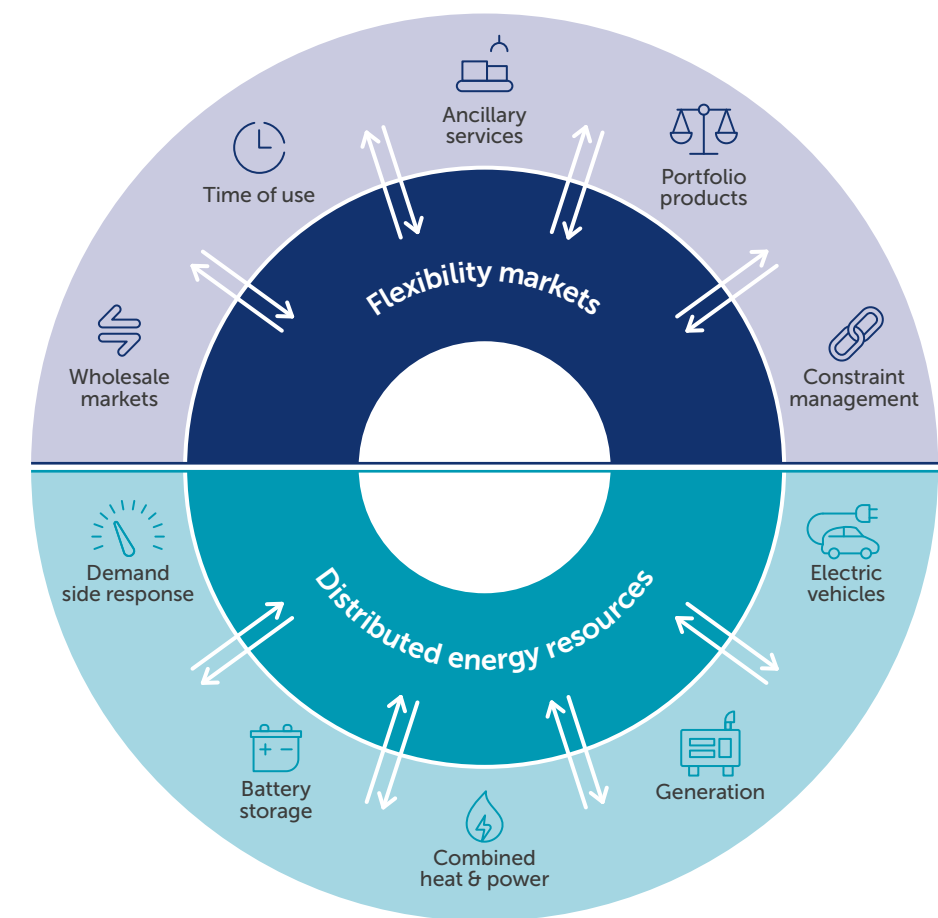
HOW DOES THE SSE VIRTUAL POWER PLANT WORK?

SSE’s Virtual Power Plant knits together all types of distributed energy resources – demand side response, battery storage, combined heat and power, generation, electric vehicles – to offer capacity and flexibility to different markets.

It’s called a “Virtual Power Plant”, as it uses the diverse characteristics of the assets it manages to provide the same services as a traditional power plant.

The assets that you own and control can be added to our Virtual Power Plant. Using our advanced technology and market expertise, we’ll help you find a solution which delivers the best available financial return. That can mean a variety of income streams including providing services to the network operator, trading on energy markets, or changing the times you use or generate electricity in order to reduce your costs.

You can decide how and when you want to make assets available to the system. Your assets are then utilised automatically, with no disruption to your core business.



OPTIMISE YOUR FLEXIBILITY

The SSE Virtual Power Plant is designed to maximise value across all potential revenue streams. For example, you could:

- provide ancillary services to National Grid like Frequency Response, Short Term Operating Reserve (STOR) and the Capacity Market
- reduce your costs by avoiding usage during time of use charging periods e.g. TRIAD and DUoS
- offer your flexibility to a supplier to help them balance their portfolios
- work with traders to actively participate in wholesale electricity markets
- manage local electricity network and/or site constraints.

Our advanced, technology-led Virtual Power Plant handles all this for you. It's able to stack multiple revenue streams on the same asset and automates the whole response process. It adapts to the potential value of different revenue streams, spotting gaps and reacting quickly to ensure that you always get the best value.

Crucially, it fits seamlessly into your existing operations and won't impact on your operations in any way. It's controllable, so if you need to stop for any reason, just let us know.

And if any suitable revenue streams develop in the future, then the SSE VPP can automatically access them for you.

BENEFITS AT A GLANCE

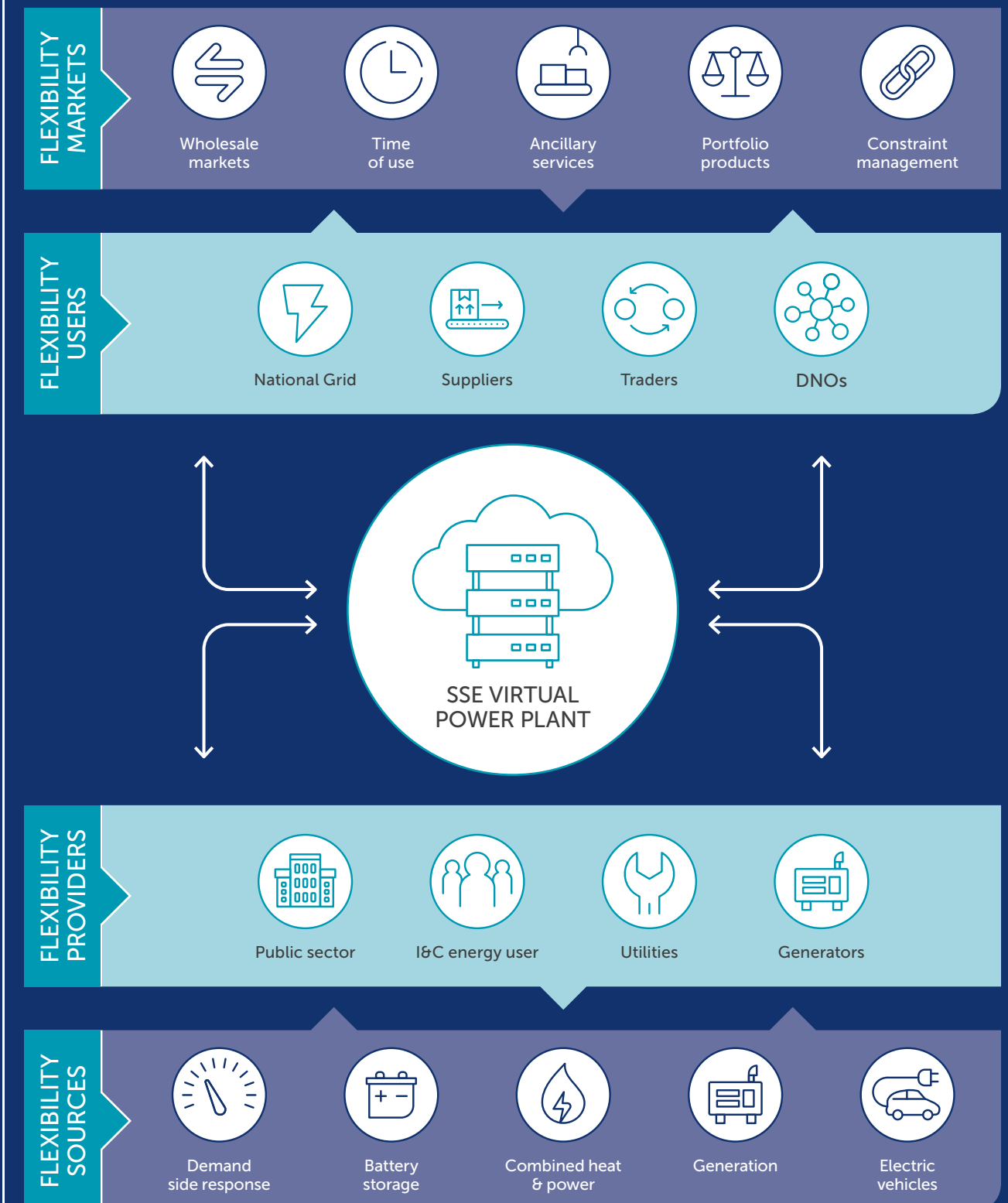
- Use the flexibility of your assets to make money
- Access to a broad range of revenue streams
- Future proofed technology that's robust, resilient and secure
- Seamless integration – no impact on your business operations
- Controllable – you can switch off if you need to
- A revenue share arrangement with SSE: no upfront or hidden fees
- Additional insight into your assets and their performance
- A service from energy experts SSE – a name you can trust.

**WE'LL WORK WITH YOU
TO HELP YOU EARN REVENUE
FROM YOUR EXISTING ASSETS**

These assets could include:

- electricity generation, such as back-up generators, gas engines or CHP
- battery storage
- on-site energy consuming assets, such as freezers, pumps and motors.

SSE VIRTUAL POWER PLANT



SSE VIRTUAL POWER PLANT: HOW TO GET STARTED

If you've got flexibility within your estate, or think you might have and want to explore things further, then our end-to-end Virtual Power Plant service might be for you.

It's quick and straightforward to get started, and the outcome won't compromise your normal operations. Here's what to expect from our Virtual Power Plant.

1 INITIAL REVIEW

We'll analyse your usage and asset data to assess your flexibility and how you could optimise it.

If you're an SSE Energy Solutions customer, your Account Manager will make sure your supply contracts are up-to-date and appropriate.

If you're not, we'll review your existing energy contracts as part of the VPP service and see if we can offer you a better deal.

2 SITE AND DATA ANALYSIS

If we conclude that you have suitable flexibility, our expert team will complete a detailed analysis of your site and assets. We'll come to your site, speak to your team, and discuss your critical business processes.

3 COMMERCIAL SERVICE PROPOSAL

Based on our findings, we'll produce a bespoke service design that matches your needs. It will take into account your appetite for revenue as well as your operational constraints, your current supply contracts, and your ongoing business requirements.

4 ISSUE OF CONTRACTS

If you're happy with our proposal, we'll issue a contract detailing all requirements for at least a two-year period, giving you security and peace of mind. It will cover details like payment arrangements, activity reporting and account management.

6 OPERATIONS

Once installed, your flexibility will be brought in and out of service automatically, based on the bespoke service we agreed in our contract. You can just let us know if you need to stop using your equipment – for example, if unplanned maintenance is required.

5 SITE UPGRADES

Our Energy Router, which meters, monitors and controls the flexibility of your assets, will be installed at your site at no cost to you and at a time to suit your operations.

7 EARNINGS

Once you're up and running, you'll be able to check your performance and earnings through our live portal – and we'll send you a monthly account statement and payment.

START EARNING TODAY

Find out more today about how you can unlock new revenue streams and reduce your costs.

Our experienced team will quickly assess your capabilities and design a bespoke solution that takes into account all your business requirements and your current supply contracts.

Unlock the benefits with SSE

Energy flexibility is becoming increasingly valuable and it's easier than ever to tap into thanks to recent technological advances.

Through the capabilities of the SSE Virtual Power Plant, your business can take full advantage of your flexibility at no upfront cost, and generate additional value across a wide range of revenue streams.

Yet the VPP is just one part of the energy solutions we can provide. As an SSE Energy Solutions customer, you can also benefit from the wider services of the SSE group – with our market-leading customer service and sustainability credentials.

We can help you extend your energy management capabilities through energy efficiency programmes, remote monitoring and data analysis while also providing you with a range of energy purchasing options to suit your business needs.

FIND OUT HOW SSE CAN HELP OPTIMISE YOUR BUSINESS

Contact your Account Manager today or get in touch via:

SSEVPP@sse.com || ssebusinessenergy.co.uk

All SSE Energy Solutions products are offered in accordance with our applicable Terms and Conditions.

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