

Power-as-a-Service

Bowers Electricals understand that reliable power supply is critical to your business activities, and that investing in these new assets can be expensive. If you are looking to purchase new Bowers Electricals equipment for your business but don't have the ability to raise the CAPEX this is the perfect solution.

In collaboration with Vattenfall, Bowers Electricals can now provide HV electrical assets via Vattenfall's Power-as-a-Service offer, to reduce upfront investment requirements and provide ongoing maintenance and support.

What is Power-as-a-Service?

The Power-as-a-Service model is designed to help any size business to reduce their risk and take the hassle out of purchasing new, owning, maintaining, and upgrading HV assets.

The model works by Bowers Electricals supplying new assets and Vattenfall owning and operating them, taking full responsibility for IOM (installation, operating and maintenance), compliance (safety, technical and environment), planning and management. Vattenfall adopt the assets for an initial 10-year term.

Once installed you can be reassured that your assets are covered by Vattenfall's Power-as-a-Service offer. This leaves you free to focus on your core business, with comfort that your assets are in the safe hands of experienced experts.

Vattenfall can also upgrade & replace other HV end-of-life assets and deliver new assets for capacity expansion



projects, at no Capex expense to you.

Power-as-a-Service makes it possible to turn high voltage infrastructure investment into an operational expense (OPEX), as opposed to capital expense (CAPEX). This removes the need for large upfront investments replacing them with predictable monthly fees over a 10-year contract term. At the end of this term, the assets can be transferred back, or the agreement can be renewed.

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Vattenfall Group is a Swedish State owned energy company that have been operating for over 100 years. They are one of the largest producers of electricity and heat in Europe. With their extensive asset management experience, they own, operate, and maintain a huge estate of electrical power generation infrastructure, operating over 170,000km of networks and 50,000 substations throughout NW Europe.

They operate 170,000km of networks which is the equivalent to 4 trips around the world.

Vattenfall UK has invested over £3.5 billion in renewable generation and continue to invest in developing its core UK renewable power generation, heating, and distribution businesses. They hope to play a valuable role in supporting the UK Government's commitment to reaching net zero carbon emissions by 2050.

How it works:

1. REVIEW

With the customer, Bowers Electricals and Vattenfall determine:

- Cost of new assets.
- Upgrades required during the contract
- Cost of OM&M (Operations, Maintenance & Monitoring) to deliver contract.
- Risk (potential cost of asset failure) or faults.

2. INVESTMENT

Vattenfall undertake the CAPEX and OPEX investment required over time:

- Initial Project delivered
- Bowers Electrical deliver O&M
- Future CAPEX projects delivered.

3. OPERATION

The customer pays Vattenfall a monthly fixed fee for the duration of contract. This fee includes:

- Asset management by Vattenfall
- OM&M (OPEX)
- Asset Replacement (CAPEX)

If an asset Vattenfall owns fails, they will repair or replace at no extra cost to the Customer.

4. RENEWAL

Close to contract end, the client has the option to:

- Extend the contract for another 10-years.
- Buy the assets back from Vattenfall for an agreed price.

If you want to find out more about how Vattenfall can benefit your business, you can contact our team and they will be happy to assist you.

Benefits:

- Transfer of business risks to Vattenfall
- Reduces personal safety risks
- Releases untapped value from your existing HV electrical infrastructure
- Lock-in your HV asset costs with transparent fixed monthly fees and remove CAPEX spikes.
- Improve network reliability and resilience and avoid costly down time.
- Improve power quality and availability
- Modernise and future proof your assets.
- Help achieve your climate and environmental goals.
- A full turnkey service.

Who does it apply to?

Any sector and any size business where the client owns a HV private network. Which can include Heavy Industry, Data Centres, Process and Manufacturing, Healthcare, Mining and Aggregates, and Local Authorities.

What does it apply to?

Vattenfall can adopt all HV assets downstream of the DNO's equipment; Primary switchgear, Secondary Ring Main Units (RMU), Transformer's, Cables, and HV Generators (3.3kV, 6.6kV, 11kV, 33kV).

