

Renewable Fuel for Critical Power

Keeping data centres running on
fossil-free backup power



Backup power was never meant to be a sustainability liability

Data centres operate under a different set of rules to most industries. Backup power has to work the first time, every time – but increasingly, it also has to answer to sustainability targets that didn't exist a few years ago.

As CSRD reporting expands and Scope 1 emissions come under closer scrutiny, the fuel sitting in your backup generators has quietly become a board-level question – and standard diesel's emissions profile is getting harder to justify every year.

Three pressure points

Resilience & supply security

Backup power is your last line of defence – fuel supply should be planned around it, not the reverse.

ESG & regulatory pressure

EED, CSRD, and Fit for 55 are redefining “compliant” – and audit-ready proof now matters as much as the fuel itself.

Scale without disruption

From one generator to a multi-site portfolio, switching requires no commissioning downtime and no new engineering sign-off.



CO₂ reduction
up to

90%

compared to
traditional diesel

A drop-in replacement, not a compromise

HVO100 Renewable Diesel is a direct drop-in replacement for standard diesel in backup generators. No tank modifications, no engine changes, no disruption to your existing testing schedule.

Switching to HVO100 can reduce CO₂ emissions by up to 90% compared with standard diesel – a verifiable, reportable reduction in direct emissions that your sustainability team can stand behind.

HVO100 meets the EN15940 standard for paraffinic diesel fuels and is approved by major engine manufacturers, so it integrates into your existing maintenance and testing regime without requiring re-certification.

As a Neste partner, we supply Neste MY Renewable Diesel HVO100.

NESTE MY
Renewable Diesel

Built for the reporting you already have to do

Switching backup generator fuel to HVO100 directly reduces Scope 1 emissions – one of the more difficult categories to address through operational change alone. Every delivery comes with Proof of Sustainability documentation, giving you the audit trail needed for CSRD and other reporting requirement without extra administrative burden.

For data centres managing fuel and emissions data across multiple sites, our Biofuel Express Insight platform consolidates consumption, emissions savings, and compliance documentation in one place – built for exactly this kind of reporting.



Biofuel Express Insight provides an easy overview of fuel consumption, complete transparency within sustainability, and documentation with just a few clicks.

Its purpose is to provide full insight and thus serve as a tool to reduce your data centres' climate impact and document achieved CO₂ savings.

This way, you can meet the demands for environmental and climate responsibility today and in the future:

- Monitor CO₂ reductions
- Track fuel consumption
- Download sustainability certificates
- Gain insight into raw materials and their origin

Already trusted where downtime isn't an option

Biofuel Express already supplies HVO100 to data centre operators across Europe – from single-site facilities to hyperscale campuses. The fuel quality, delivery reliability, and reporting standard stay the same regardless of scale, because that consistency is what critical power infrastructure depends on.

Same fuel quality, delivery reliability and reporting standard – at any scale.

Single sites

Hyperscale

Multi-site



1

Tailored to Your Requirements

A renewable fuel solution built around your operation.

From fuel specifications and storage capacity to required volumes, delivery schedules, service levels and sustainability criteria, we align our solution with the demands of your backup power system.



2

Resilient Supply

Designed for continuity when it matters most.

We develop a robust supply model around your site — with planned deliveries, top-up requirements and contingency arrangements designed to keep your renewable backup fuel available when you need it.



3

Seamless Transition to Renewables

Switch without changing what matters.

We make the transition to HVO100 straightforward, working with your existing fuel infrastructure and compatible generators to enable renewable backup power without unnecessary operational disruption.



4

Continuous Supply & Support

More than a fuel delivery. A partner you can rely on.

From routine top-ups to emergency call-outs, we maintain supply continuity across your sites. Sustainability documentation is included with every delivery, giving you the reporting data you need.

Biofuel Express is a leading distributor of 100% fossil-free biofuels such as HVO100 Renewable Diesel and B100 Biodiesel RME Premium. Our primary focus is on the 100% biofuel market. We are passionate about the green impact of sustainable fuels on the environment.

Specializing in providing advice and calculating the benefits of fossil fuels, Biofuel Express is the right partner for those looking to transition to 100% fossil-free operation for their diesel-powered vehicles.

For more than 15 years, we have specialized in converting fleets and equipment from regular diesel to 100% fossil-free operation for buses, trucks, and cars.

Our market-leading, high-quality products can be refueled directly at our stations in Sweden and Denmark or delivered to your own tanks. Biofuel Express is your guarantee for reliable distribution.



Sustainable Fuel. Strategic Expertise. Measurable Impact.

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