rehlko

Case Study

# Rehlko's Uninterruptible Power *Powers* Green Mountain's Sustainable LON-East Data Centre

Green Mountain



## Revolutionising Data Centre Resilience in East London

Strategically nestled in East London, Green Mountain's LON-East facility boasts a secured 40MW power capacity on a stunning site. Designed for scalability and high-performance workloads like Cloud, AI, and HPC, this cutting-edge data centre broke ground in 2024. With advanced air and liquid cooling systems and tailored build-to-suit options, the LON-East venue sets a new benchmark for modern data centres.

## Rehlko ***MF*** Series: The Perfect Backup Power Solution

To meet the facility's rigorous power protection needs, Rehlko collaborated with main contractor TClarke to deliver a robust backup power system. After careful cost analysis, Rehlko's MF Series emerged as the optimal choice, delivering both financial, environmental & operational support benefits. The 97.4% efficiency of the MF Series saves Green Mountain over £230k annually, equating to £1.2 million over five years and £2.3 million over ten years. Moreover, the system reduces $CO_2$ emissions by 3.5 tonnes over a decade—aligning seamlessly with Green Mountain's sustainability goals.



rehlko

# Efficient, Scalable, and Environmentally Conscious

The first phase of the project required 7MW IT UPS to support a max load of 2,400kW per power stream. Rehlko delivered eight 1500kVA MF Series units to meet these demands. Specifically engineered for data centres, the MF Series offers unmatched scalability, resilience, and efficiency. Its innovative design minimises environmental impact while optimising power usage effectiveness (PUE). With modular capacities ranging from 250kW to 1,500kW in a single frame and the ability to scale up to 6MW, the MF Series also reduces footprint by up to 45%, all without sacrificing accessibility for installation or maintenance.




# Collaborative Excellence

Rehlko's dedicated Projects team worked closely with TClarke to ensure seamless on-site implementation, with phase two slated to kick off in April. This next phase will replicate the initial setup, installing another 7MW IT UPS (8 x 1500kVA MF Series) to support the same load requirements.

# Partnering for Sustainability

Gary Hutchings, Delivery Director at Green Mountain, highlighted the importance of sustainability in the LON-East project:

*"At Green Mountain, our mission is to create the world's most sustainable data centres, and LON-East is no exception. When selecting our power protection systems, we needed a partner who could meet our sustainability standards today and into the future. Rehlko has proven to be that partner, and we are proud to work with them to achieve our goals."*

Joe Thomas, Project Director at TClarke echoed this sentiment:

*"TClarke are honoured to serve as the main contractor for the LON-East site working closely with Green Mountain. Choosing Rehlko as our UPS provider was an easy decision—they not only delivered the technical excellence we required but also exceptional engineering support and project management. The collaborative relationship we've built with Rehlko over the years has proven to be invaluable for this project, we look forward to continuing this partnership as we move into the next phase of this development."*

If you are looking for a sales and service solution for your power protection equipment, please get in touch with our team at **uksales.ups@rehlko.com**

Rehlko Uninterruptible Power Ltd. Woodgate, Bartley Wood Business Park, Hook, Hampshire, RG27 9XA
www.ups.rehlko.co.uk

Rehlko is the new name for Kohler Uninterruptible Power.
© Rehlko 2026/1. All details correct at time of printing.