

MEASURED SAVINGS

~7.2% Reduction in kWh (daily)

Consistent energy draw.

BUSINESS CATEGORY & LOCATION

Data Center
Indonesia



MEASUREMENT

Baseline energy consumption data was collected prior and post to the installation date of THERMAL-XR®.

The test of the Energy-Saving performance of THERMAL-XR® system, a total of five PACs serving one floor of data center.

PAC 1 to 5 energy consumption were added together for the analysis to study energy consumption in the whole data center.

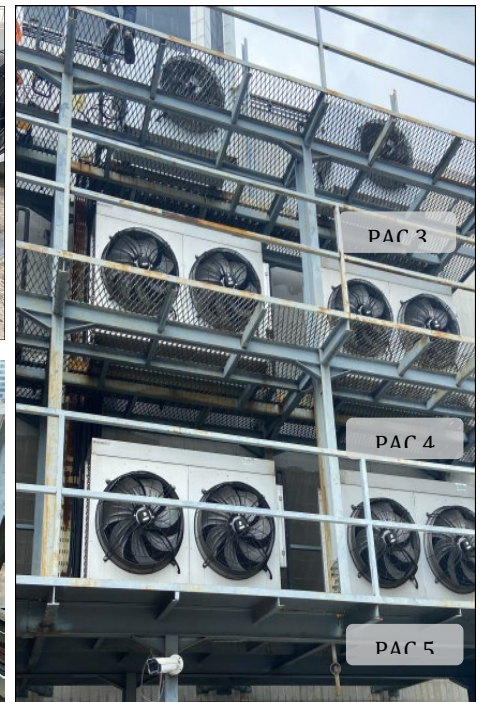
Reasonably consistent outdoor ambient temperatures

Stable indoor loads.

EQUIPMENT

Huawei, Air-cooled in-row Precision AC (Netcool- 5000A)

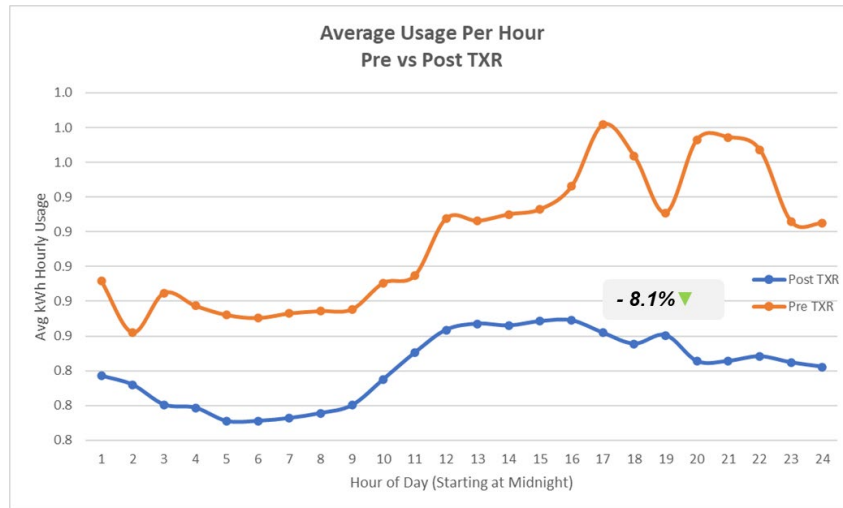
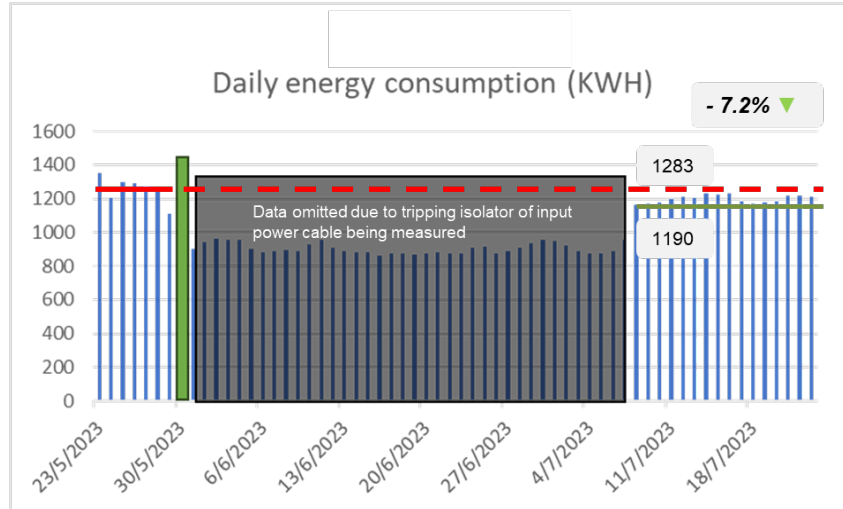
PHOTOS



INSTALLATION

23/5/23 – 27/5/23 Pre-THERMAL-XR®
 31/5/23 – 7/7/23 Tripping occurred in the post-installation and was removed from the measurement.
 8/7/23 – 23/8/23 Post-THERMAL-XR®

DATA



GMG is a clean-technology focused company which aims to offer energy-saving products and solutions and energy storage products, enabled by Graphene manufactured in-house via a proprietary production process.



GMG developed and proved its proprietary production process to produce GMG Graphene. This process produces high quality, low input costs, scalable, tuneable and low contaminant Graphene suitable for use in clean-technology applications. GMG's focus has been developing applications for **ENERGY SAVING AND ENERGY STORAGE SOLUTIONS.**

Customer Delivery Focused



Delivery of customer requirements are key to the business.

Innovate to Deliver



Continuous improvement in all parts of the business is practiced and no one person/manager holds the key to "logic". Company language allows coming up with new ideas in a safe environment.

No Harm To People Or Environment



Employee leadership at all levels shows and acts to not harm people, including employees, contractors and customers & the environment with our process, product or any other part of the business.

THERMAL-XR® *powered by GMG Graphene* is a Graphene Manufacturing Group Ltd brand.



PATENT PENDING

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Measured energy savings presented in the case study are not predictors of future installation results.

Estimated savings should be considered as estimates.

Standard GMG disclaimer applies.

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