

MEASURED SAVINGS

36.7% Reduction in kWh

Noticeable dampening of variability in amp load draw.

**BUSINESS
CATEGORY &
LOCATION**

Education, High School
Gymnasium
Harlingen Texas USA



MEASUREMENT

Baseline current and temperature data were collected prior to the installation date of THERMAL-XR®.

Continuous amp monitoring using Monnit 3 Phase Current Monitor Automatic cloud capture of current data every 30 minutes.

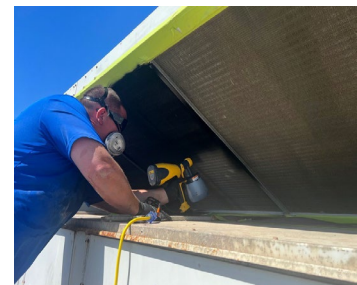
Reasonably consistent outdoor ambient temperatures

Stable indoor loads (no set point change, consistent student-athlete presence)

EQUIPMENT

High School Gymnasium, Harlingen, Texas.
30 ton, Aaon packaged rooftop air-conditioning system
In the centre of the roof with, no shade.

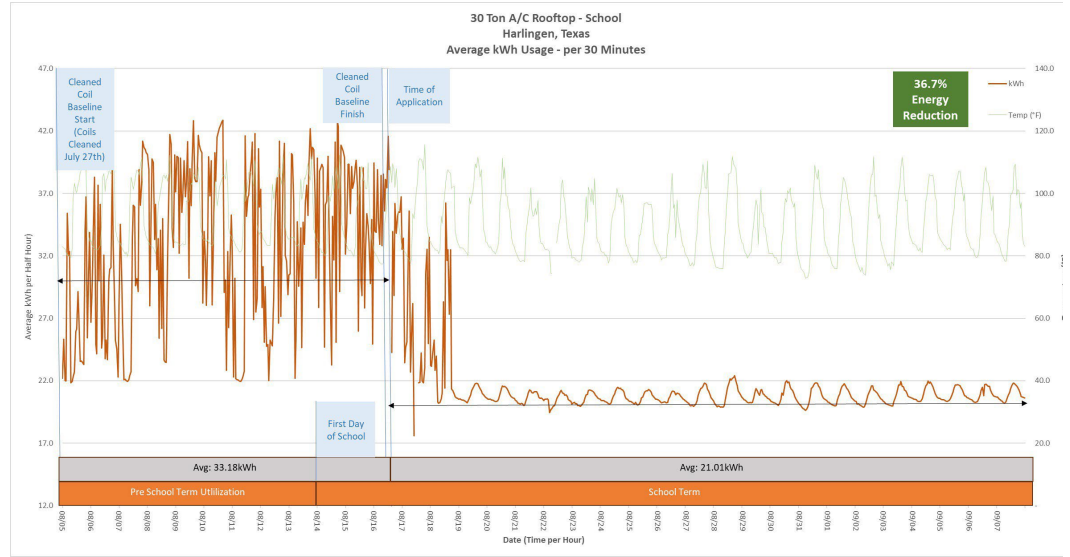
PHOTOS



INSTALLATION

27th July - The coil was **cleaned**, using Nu-Calgon's Tri-Power HD detergent cleaner.
16th August - The coil was **cleaned and prepped** using a Nu-Brite cleaning solution.
17th August - **THERMAL-XR®** was applied to the coil.

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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