



# Chili's serves up energy efficiency in Mexico

CMR implemented a Panoramic Power PowerRadars energy management system to capture live energy data every 10 seconds.



## Capturing live energy data to drive efficiency

CMR wanted to reduce its energy consumption without negatively affecting restaurant performance – and to arm local restaurant managers with the insight to better manage energy use, whilst reducing operational costs and environmental impact.

## A network of sensors

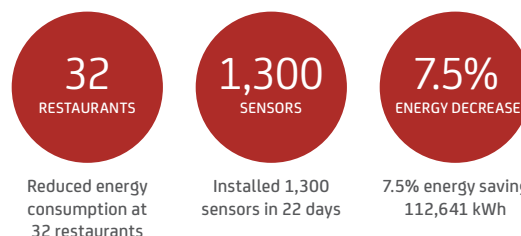
Following a successful pilot in six outlets (generating an 8% energy saving), CMR worked with Panoramic Power channel partner, Solar 2 Green, to roll out the PowerRadars energy management system to 44 of its 65 Chili's restaurants.

Over 22 days, 1,300 sensors were installed (an average of 30/restaurant). All the sensor kits were pre-packed separately and tagged for each deployment location. Each sensor collects data every 10 seconds. The data is transmitted via a separate GSM line, avoiding interference with the IT network.

## The results

The programme led to energy reductions at 32 of the 44 restaurants – impressive given a 7.6% rise in outdoor temperature versus the previous year, and a 3.5% increase in sales.

The net result was a 7.5% drop in energy, or 112,641kWh saved. For context, 112,641 kWh is the same amount of energy it would take to fully power 3.6 Chili's restaurants for an entire month; or, the equivalent of 79.2 Tons of CO<sub>2</sub> emissions.



“

Now, I see energy waste everywhere I look. This program has given us a level of awareness I never could have imagined. We'll not only improve our profit margins, but become better corporate citizens and better professionals.”

Rafael Ruíz Muñoz, Corporate Brand Director, CMR Chili's

## Why

The PowerRadars energy management system

- Energy Valuation Organization's (EVO) International Performance Measurement and Verification Protocol (IPMVP), creates a predictable energy consumption
- Data can be viewed through the PowerRadars mobile app allowing managers to make efficient and effective decisions
- Data captured every 10 seconds