

## Case Study

# SAVING ENERGY at the CHEF EXPRESS FOOD CHAIN

### MARKET REQUIREMENTS

Chef Express, a leading and established Italian convenience food chain, has over 100 store locations across the country. Operating successfully for over 20 years in concession markets, Chef Express brings together, under one roof, different commercial offerings – from ice cream to hot dogs, from a cafeteria to a pizzeria, from self-service to traditional restaurants.

In parallel to its great popularity and evident business success, the chain is also confronted with massive operating costs to which electricity expenses have an outsized contribution. In order to be more economic, and, in turn, more profitable, the company has reached out to find an effective electricity saving solution.

A typical Chef Express fast-food restaurant has a total electricity consumption of up to 110,000 KWh per month. This high utilization is generated by the lighting in seating, kitchen and storage areas, as well as by the vast amounts of electric appliances, such as HVAC systems, refrigerators, freezers, ovens, microwaves, and coffee machines.

### SOLUTION

Chef Express selected **PowerSines ComEC VS energy saving controllers** as the main part of its Energy Efficiency and CO<sub>2</sub> Reduction Program. The **PowerSines distributor in Italy, PowerSines S.r.l.**, seamlessly installed PowerSines ComEC in Chef Express sites throughout the country.

ComEC dynamically controls and stabilizes the voltage provided to all loads, ensuring supply of optimal voltage level, day and night, generating immediate energy saving. Moreover, by stabilizing and controlling the voltage, ComEC helps prevent equipment failure, and by so, reduces equipment maintenance costs, and also extends the equipment's lifetime.

Connected through **PowerSines' Remote EMS platform**, the management is able to control, operate and receive real-time alerts, as well as monitor energy consumption periodically for each of the sites, thus driving energy consumption reduction.

Consistent saving of  
**10% - 12% in energy use**

Deployed in dozens of Chef  
Express sites across Italy

Simple and seamless  
installation

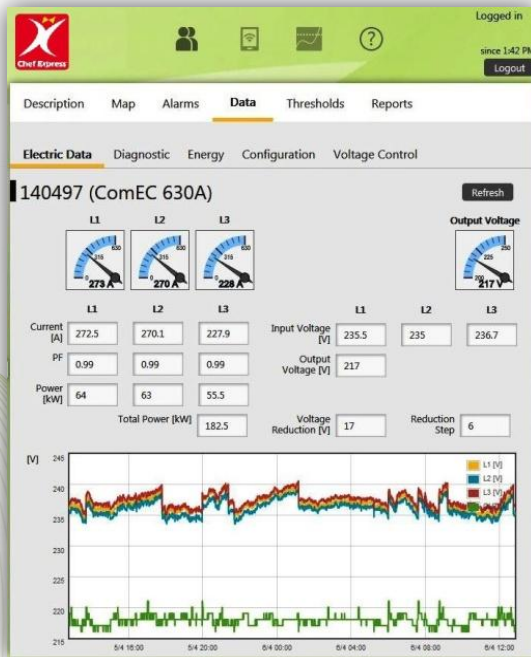
Integrated with Remote EMS  
for monitoring & control



## RESULTS

The varied models of ComEC VS that were installed in sites throughout the Chef Express Chain were matched to the size of the main circuit breaker at each facility.

ComEC VS has been providing **10-12% energy saving** at each location since the installation.



## ACCREDITATION

The **Cremonini Group**, which owns the Chef Express chain among numerous additional leading businesses, **accredits PowerSines** for its contribution to energy saving at the Chef Express facilities.

Hereinafter is an excerpt from the **Cremonini Group's** company profile.

### RISPARMIO ENERGETICO



**-10%**  
di consumi elettrici

**Progetto Power Sines:** Installati in 33 locali particolari sistemi di riduzione della tensione che permettono un risparmio dei consumi elettrici del 10% ca. Il progetto si estenderà anche ad altri 66 locali.

