

Measured Energy-Saving Retrofit Program

Owners do not need only another electrical equipment package. They need a retrofit that can be approved with a clear business case, installed within a controlled outage window, measured transparently after commissioning and supported through stable long-term operation.

Structured solution

EHOUSE EaaS converts MV auxiliary-load retrofit from a one-time equipment purchase into an integrated program: modular MV Drive E-House, EMS measurement, commissioning, lifecycle service and savings review are managed together.

01

Baseline first

Confirm load profile, operating hours, tariff and measurement boundary before final commitment.

02

Factory package

Move MV drive integration, wiring, HVAC/fire checks and FAT into a prefabricated E-House.

03

EMS-backed M&V

Track kWh, demand, speed, operating hours, alarms, CO2 reduction and verified savings.

04

Lifecycle service

Support maintenance, spare parts, troubleshooting, annual performance review and optimization.

Commercial logic

Owner approval

- Energy-saving business case before procurement.
- Technical boundary, outage window and measurement method aligned early.
- Commercial model structured around verified performance and lifecycle support.

Delivery boundary

- MV Drive E-House with switchgear, VFD, control, HVAC and fire systems.
- EMS data for baseline, commissioning and post-retrofit savings review.
- FAT/SAT records, operator training and ongoing service support.

Where it fits

Large industrial fan and pump loads such as power plant ID/FD/PA fans, boiler feedwater pumps, cement kiln fans, clinker cooling fans, steel dedusting fans and other high-duty auxiliary systems with variable operating profiles.