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CUSTOMER OUTCOME | CASE STUDY

CASE STUDY 02 · AVIATION / PUBLIC INFRASTRUCTURE

23 loads audited. Facility amperage fell 25.8% across the whole airport.

An EnePro audit across 23 individual loads — chillers, motor control panels, runway lighting and vacuum systems — cut facility-wide amperage **25.75%** and modeled **$104K in annual savings** against roughly $1.04M of yearly electric spend.

FACILITY TOTAL AMPERAGE

−25.8%

Baseline 1,956 A optimized to 1,452.4 A across the audited portfolio.

MODELED ANNUAL SAVINGS

~$104K

Against ~$1.04M annual electric spend — a 19–24 month payback on capital.

FACILITY	ASSETS	DEVICE	ANNUAL SPEND	VERIFICATION
Regional Gulf Coast airport	Chillers, runway lights, MCPs, vacuums	EnePro · 23 loads	≈ $1.04M	On-site witnessed test

KEY MEASUREMENTS — FIELD-VERIFIED RESULTS

TOTAL FACILITY AMPS

BEFORE **1,956** → AFTER **1,452.4**

Sum of audited loads, baseline vs. optimized. **−25.8%**

BEST CIRCUIT · MCP-G4

−63.0% peak amp reduction

−58 / −54% MCP-07 / MCP-05

Three chillers: 593→455 A, 639→537 A, 40.9→31.6 A.

What Changed

EnePro units were sized to individual inductive loads and installed across the airport's motor portfolio. The biggest movers were the motor control panels and chillers — the **top three circuits dropped 63%, 58% and 54%** — which is where the facility's amperage and demand charges concentrate.

HOW IT WAS MEASURED

An Acuvim-IIR analyzer logged amperage, kW and power factor on each targeted circuit, witnessed on site. Annual savings are modeled from measured reductions against the facility's ~$1.04M electric spend; payback lands in the 19–24 month range.

MOTOR PORTFOLIO IMPACT

504 A

— total amperage removed facility-wide, 1,956 A → 1,452.4 A.

Facility amperage	−25.8%
Best circuit (MCP-G4)	−63.0%
Modeled annual savings	~$104K
Payback against capital	**19–24 mo**

"We audited 23 loads and the worst offenders — the chillers and motor control panels — are exactly where the amperage came out."

REPRESENTATIVE OUTCOME · AVIATION · NAME REDACTED UNDER NDA

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