ENERGY TECHNOLOGIES

Enterprise Power Quality for Commercial & Industrial Facilities

Up to 35%
ENERGY SAVINGS

50/60Hz
GLOBAL COMPATIBILITY

The World's Energy Problem Is Getting Worse.

Electricity demand is surging. Utility rates are climbing. The grid cannot keep up.

+30%

Rise in utility rates since 2020

REUTERS

US Power Use to Beat Record Highs in 2026-2027

BLOOMBERG

Soaring Power Prices Send US on Search for Solutions

FINANCIAL TIMES

The Power Crunch Threatening America's AI Ambitions

THE HIDDEN THREAT

Harmonic Distortion Is Silently Destroying Your Grid.

Every VFD, LED driver, and switching power supply injects harmonic pollution.

THD

TOTAL HARMONIC DISTORTION

- **Overheating Equipment**
- **Nuisance Tripping**
- **Utility Penalties**
- **Premature Failure**

THE REAL COST

What Poor Power Quality Actually Costs You

These losses appear on every utility bill, every month.

Up to 35%
Demand Charges & Bill Overages

43%
More Current Than Necessary

10–20%
Transformer Capacity Consumed

15–25%
Excess I^2R Conductor Losses

THE SOLUTION

Introducing the EnePro Power Optimizer

Passive. Solid-state. Measurable improvement from day one.

- **PF 0.95+**
- **25% avg THD reduction**
- **5,000J surge protection**

UL LISTED · CE MARKED · CSA CERTIFIED · IEEE 519 · IEC 60831 · RoHS

THREE PROBLEMS. ONE DEVICE.

Everything It Does. All at Once.

0.95+

Power Factor

Reactive current eliminated from your distribution system

8–20% current reduction

25%

THD Reduction

Passive harmonic filtering — — IEEE 519 compliant

Field-measured: 7.2% → 3.6%

10,000A

Surge Protection

Integrated TVSS with fault current withstand

5,000J (3Ø) / 2,400J (1Ø)

THE SCIENCE

How It Works — The Physics of Wasted Power

Current lags voltage, creating reactive power that does no useful work.

Real Power (kW)
What You Use

→

Reactive Power (kVAR)
What You Waste

→

Apparent Power (kVA)
What You Pay For

→

EnePro Result
Up to 20%
Current Reduction

BEFORE

PF 0.70

43% excess current
High demand charges

AFTER ENEPRO

PF 0.95+

Near-unity correction
Demand charges reduced

PROVEN PERFORMANCE

Performance by the Numbers

.92–.98
POWER FACTOR ACHIEVED

8–20%
CURRENT REDUCTION

25% avg
THD REDUCTION

15–25% ↓
Line Losses

+2–5% ↑
Voltage Quality

Reduced demand charges

THD ↓ 25%
Harmonic Distortion

Up to 20%
Infrastructure Freed

RELIABILITY ENGINEERING

Built to Endure. Built to Perform.

Engineered for operationally critical environments.

- **Passive Design** — No moving parts, no firmware
- **Fail-Open Architecture** — Facility never loses power
- **Parallel Installation** — Zero process interruption
- **NEMA 3R Rated** — Indoor and outdoor use
- **60,000 hr Rated Life** — 15–20+ years typical
- **No Subscriptions** — Pure hardware, own forever

NEMA 3R · UL LISTED · CSA CERTIFIED · CE MARKED

GLOBAL FOOTPRINT

Built for a Global Grid

208–600V
Voltage Range

50/60 Hz
Full Compatibility

5-37 kVAR Per Unit
Scalable Load Range

NEMA 3R
Indoor & Outdoor Rated

CE Marked · UL Listed · CSA Certified · IEEE 519 · IEC 60831

CLIENT PORTFOLIO

Trusted by Industry Leaders

From global QSR chains to professional sports venues and the world's most demanding industrial operators.

McDonald's
QSR — Multi-Unit Rollout

AT&T Stadium
Major League Venue

Subway
QSR — Franchise Network

Amway Center
Arena & Entertainment

Dunkin'
Retail F&B — National Program

Hampton by Hilton
Hospitality — Multi-Property

Global Oil Majors
Long-Standing Relationships — Upstream & Downstream

MANUFACTURING · COMMERCIAL REAL ESTATE · HOSPITALITY · OIL & GAS · DATA CENTERS · HEALTHCARE · GOVERNMENT

SUSTAINABILITY & ESG

The ESG Case Is Undeniable

Quantifiable carbon reductions — reportable on day one.

Tons CO_2

Reduced per facility annually

GHG Protocol Scope 2 reportable

Environmental

Every kWh saved = direct carbon reduction

Grid & Community

Reduced demand eases grid load

Governance

Measurable energy reduction supports Scope 2 reporting

Regulatory

Aligned with evolving efficiency standards

Supports facility-level ESG reporting and sustainability initiatives

ENGINEERING CREDIBILITY

The Engineering Backbone

Decades of power quality expertise.

80+

Years Combined Experience

PE

Stamped Deliverables

Global Engineering Network

Credentialed partners across multiple continents

End-to-End Engineering Rigor

From first assessment to final verification report.

01
Site Assessment

02
Custom Design

03
Multi-Site Programs

04
Post-Install Verification

05
Global Partner Network

Engineering-grade rigor at every step.

The Financial Case

Reduced
demand charges
Visible on first billing cycle

100% Eliminated
PF Penalties
Once PF reaches utility threshold

15–25%
Line Losses
Reduced I^2R heating in conductors

Deferred
capital expenditures
Infrastructure upgrades avoided

12–24
MONTH TARGETED PAYBACK

Strong
multi-year ROI

Passive
NO CONSUMABLES. NEAR-ZERO ONGOING COST

Illustrative model. Site-specific analysis provided with assessment.

MARKET URGENCY

Why Now Is Non-Negotiable

Accelerating

AI Power Surge

Annual growth in data center demand

Growing

Grid Capacity Crisis

Average utility interconnection queue time

Accelerating

Rate Acceleration

Electricity rates rising annually

IEEE 519

Tightening Mandates

Stricter THD & PF enforcement

Every month of delay is a month of avoidable cost.

The assessment is free. The savings are immediate.

OUR PROCESS

End-to-End Delivery

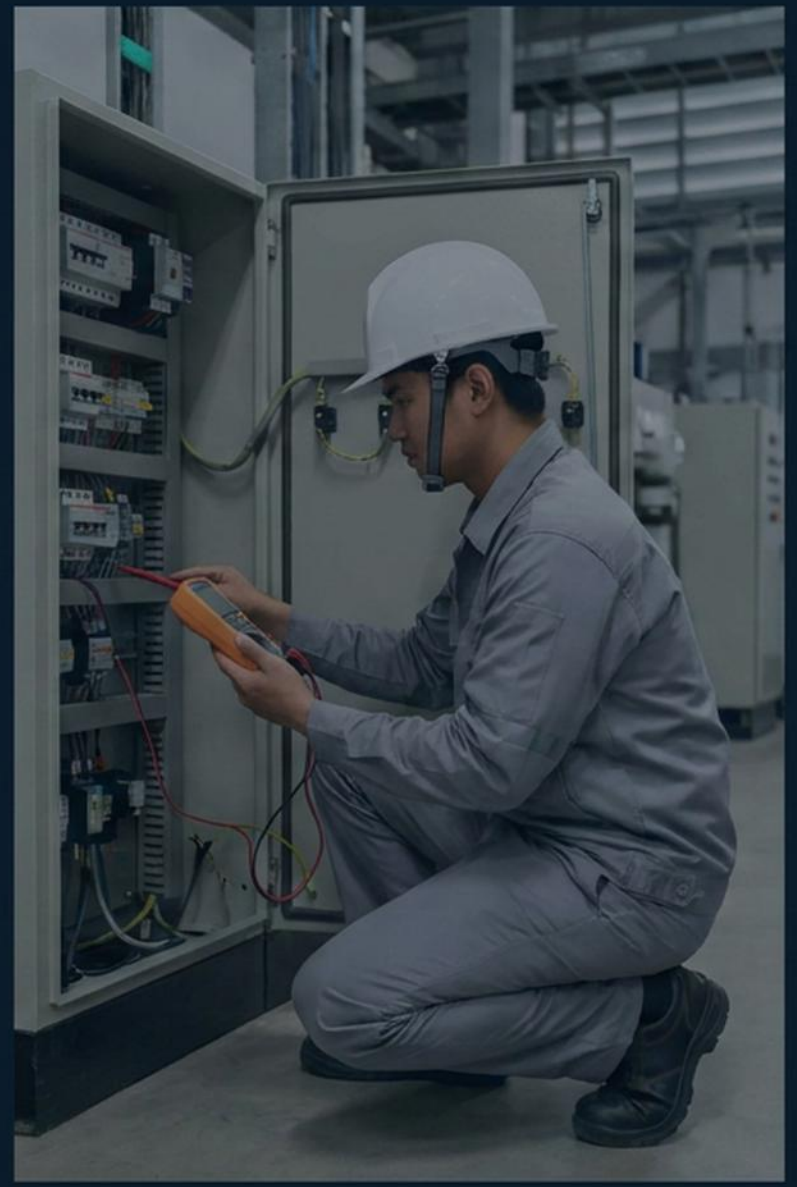
Site Assessment
Non-invasive power quality survey — no downtime

Engineering & Proposal
PE-stamped system design + detailed financial model

Installation
Parallel install, one shift, zero business disruption

Commissioning
Metered pre/post performance verification

Reporting
Full verification report — ESG, ROI, utility rebate ready



The Floor Is Yours.

"The numbers speak for themselves. The technology is proven. The savings are real. The only question is how much your facility is leaving on the table."

Energy Technologies
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www.enrgtek.com

QUESTIONS WELCOME

Q: What does a site assessment involve?

Non-invasive metering — no shutdown, no disruption.

Q: How quickly do we see results?

First billing cycle after installation.

Q: What if ROI doesn't pencil out?

We tell you honestly. Our credibility is built on the real picture.