



OPTIEM ENERGY
CORPORATION

The World's #1 Energy Solution

“Making the Invisible, Visible”

Strengthening Infrastructure **Asset Management** Through Energy Intelligence



THE CHALLENGES WITH ENERGY

Rising Energy
Prices



Demand vs.
Supply



Environmental
Impacts



What is the **cheapest**, cleanest, most accessible and abundant **Energy Source**?



None of the above

Energy Efficiency

*"We **consider** Energy Efficiency to be the 'first fuel' as it still represents the **cleanest** and, in most cases, the **cheapest** way to meet our energy needs."*

– **Fatih Birol**,
International Energy Agency

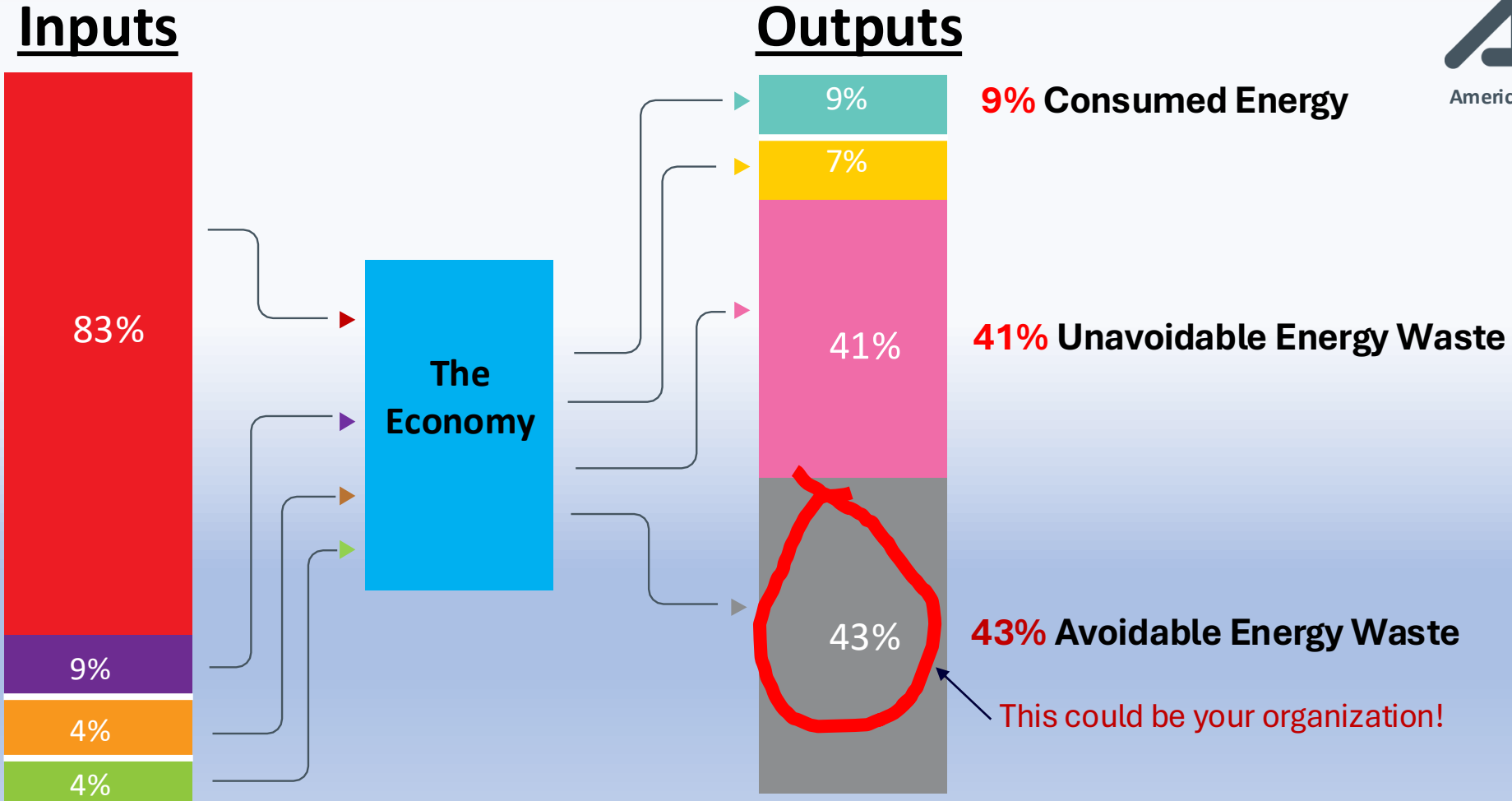


*"It yields a bigger and faster return than many people realize. The mundane concept of simply using less energy is the true **unsung hero** of the fight against climate change."*

– **Jean-Pascal Tricoire**, CEO,
Schneider Electric



Is Energy Efficiency Abundant?





Every single coal-fired power station
Turned off for good

There Are Many Energy Efficiency Options...

WHAT IS THE #1 ENERGY SAVING OPTION?

Siemens Report Top 10 Energy Saving Options

Energy Saving Technology to Deliver the Fastest Returns

1 Monitoring & Targeting (1-3 months)

- | | |
|---|----------------------|
| 2 Low Energy Lamps | (1-12 months) |
| 3 Variable Speed Drives | (3-12 months) |
| 4 High Efficiency Motors | (3-12 months) |
| 5 Building Controls | (3 months - 4 years) |
| 6 Intelligent Lighting Solutions | (1-4 years) |
| 7 Increased Factory or Process Controls | (1-4 years) |
| 8 Power Management Solutions | (1-4 years) |
| 9 Supply Voltage Optimisation | (2-5 years) |
| 10 Combined Heat & Power | (2-7 years) |

SIEMENS

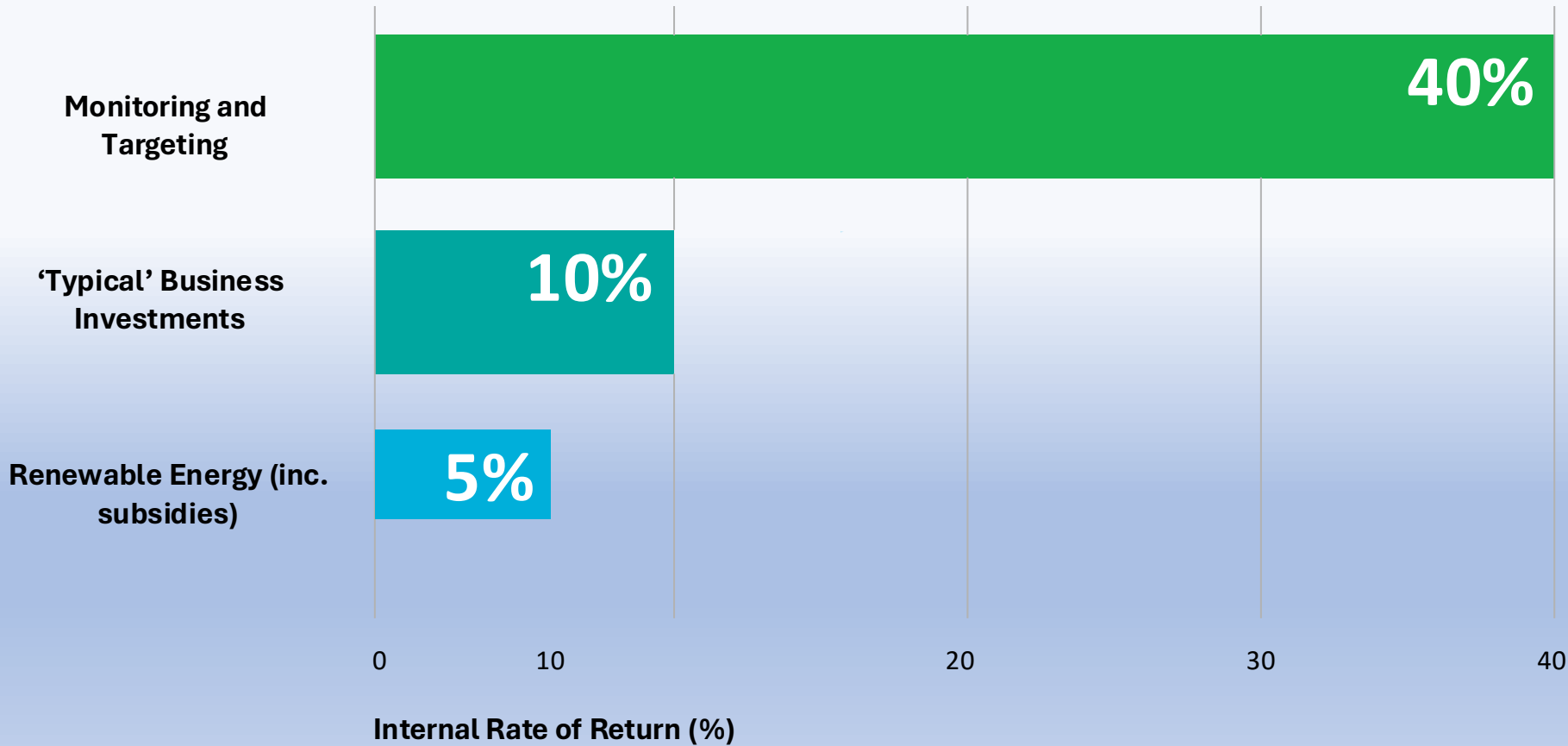
Ingenuity for life

*“An effective monitoring system is typically the **most important** element of any energy management program and will deliver the **fastest payback.**”*

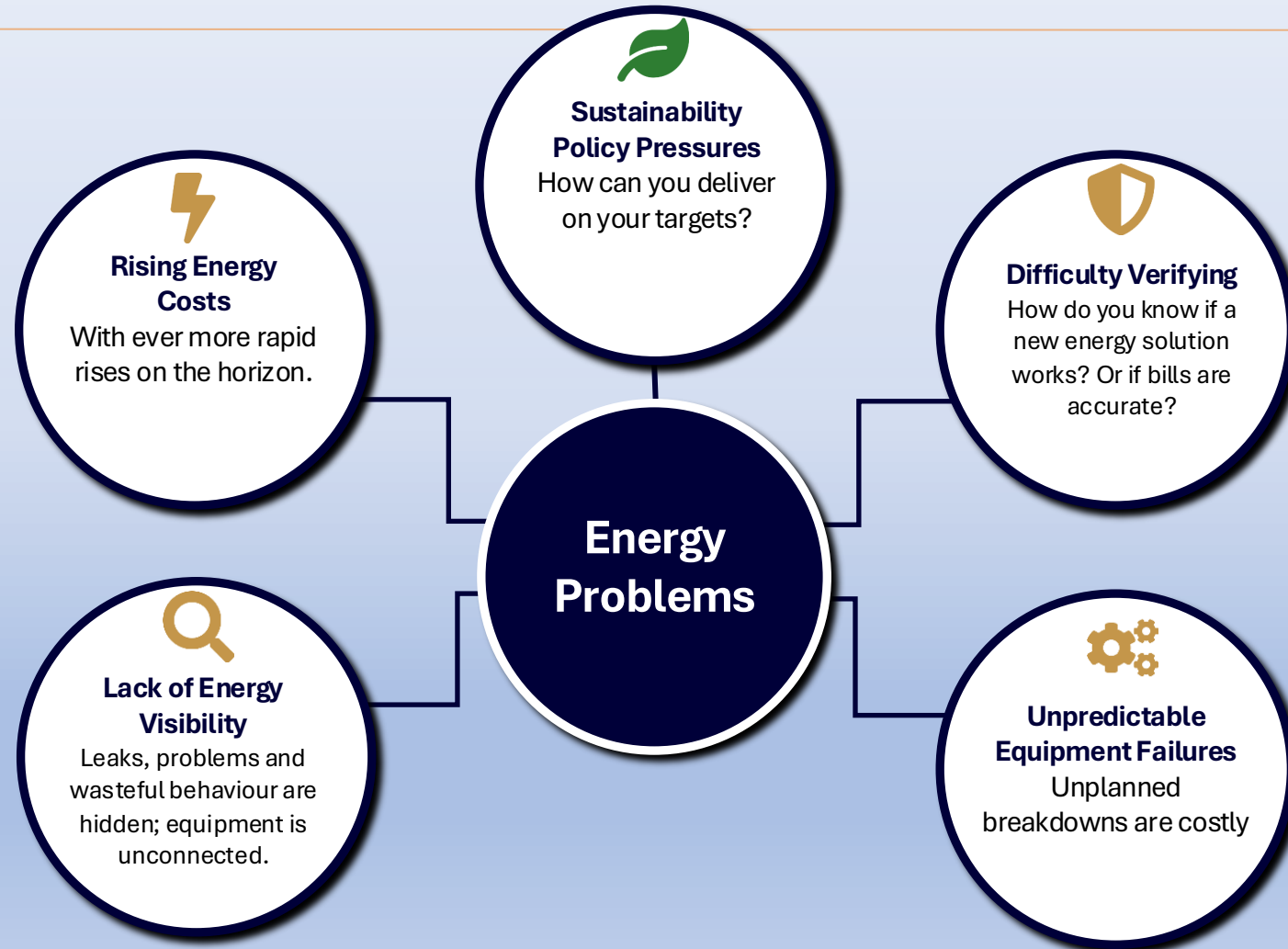
Siemens, Top 10 Energy Saving Options

Are Monitoring and Targeting Measures a Competitive Investment?

Typical Investment Returns



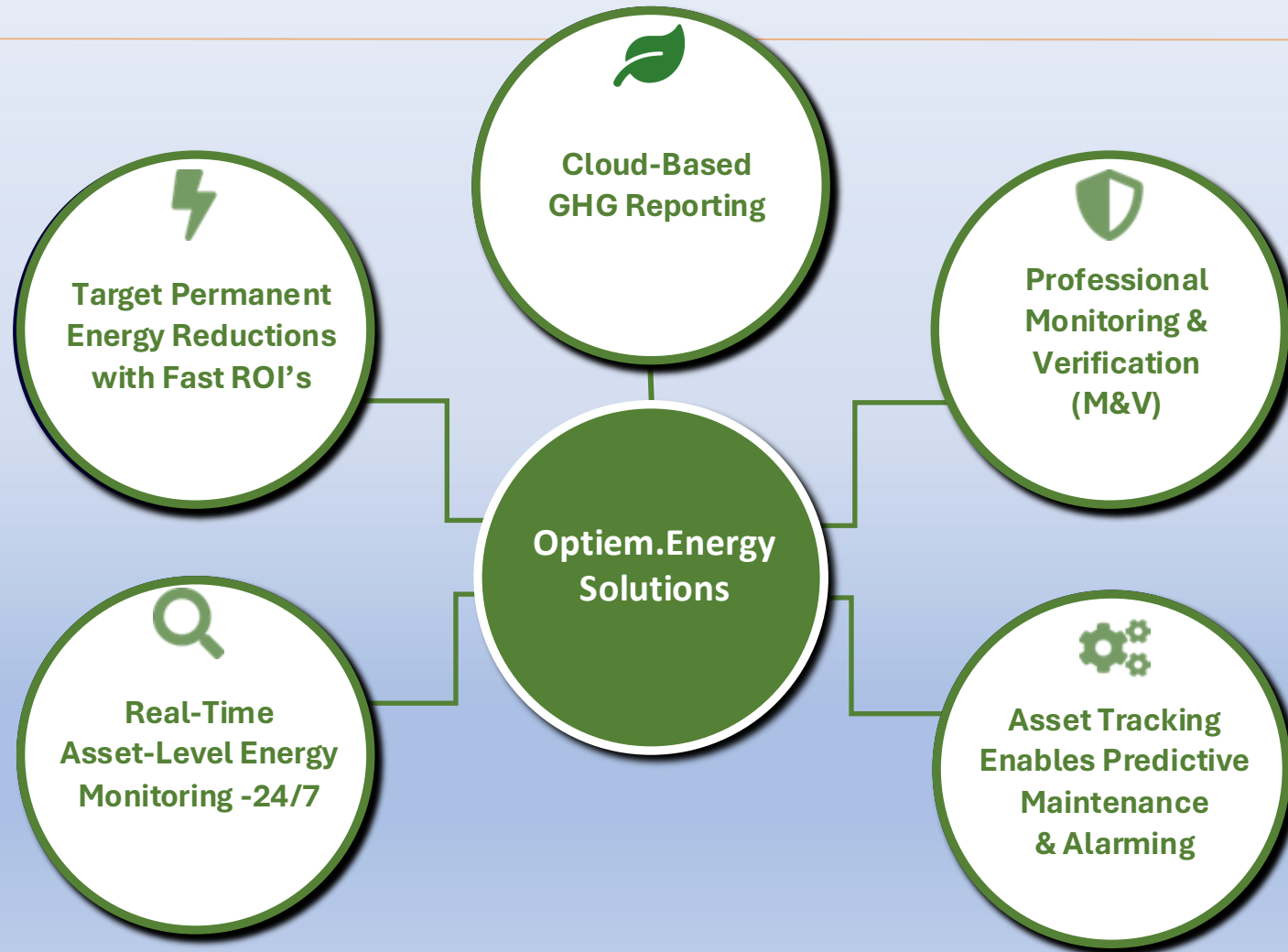
Challenges you experience every day...



accenture
High performance. Delivered.

*“Although many firms have implemented short-term measures... **50 percent of their initial energy savings disappear within the first six to 12 months** due to a lack of continuous monitoring, analysis and corrective action.”*

And the solutions that address them...



accenture
High performance. Delivered.

*“Leading firms use **24x7 advanced metering and monitoring technology with skilled analysts** to proactively monitor energy consumption data and patterns”*

HARDWARE

TECHNOLOGY



REAL-TIME VISIBILITY ACROSS
YOUR ENTIRE ENERGY ECOSYSTEM



Wireless LoRa IoT Monitoring &
Control Hardware

Active Energy & IoT Hubs: **26,000+**

SOFTWARE

ANALYTICS



TRANSFORM DATA INTO
ACTIONABLE INTELLIGENCE



5-Star Cloud-based
Software Analytics & Apps

Data Points Received per Day: **3 billion+**



VEM SERVICE

VIRTUAL ENERGY MANAGEMENT



OPTIMIZE PERFORMANCE
REMOTELY, INSTANTLY



24/7 AI/ML Virtual Energy
Management Team

Channel Network Coverage: **75+ Countries**





Objective, data-driven insights to prioritize capital investments, estimate savings, and substantiate funding applications.



Prioritize Capital Investments

Rank projects by impact, ROI, and operational urgency using real performance data



Estimate Savings With Confidence

Use historical baselines to project savings from retrofits and upgrades



Substantiate Funding Applications

Provide verifiable data for grant applications and budget justifications



Continuous Enrichment

Asset profiles improve over time as the digital twin accumulates more data



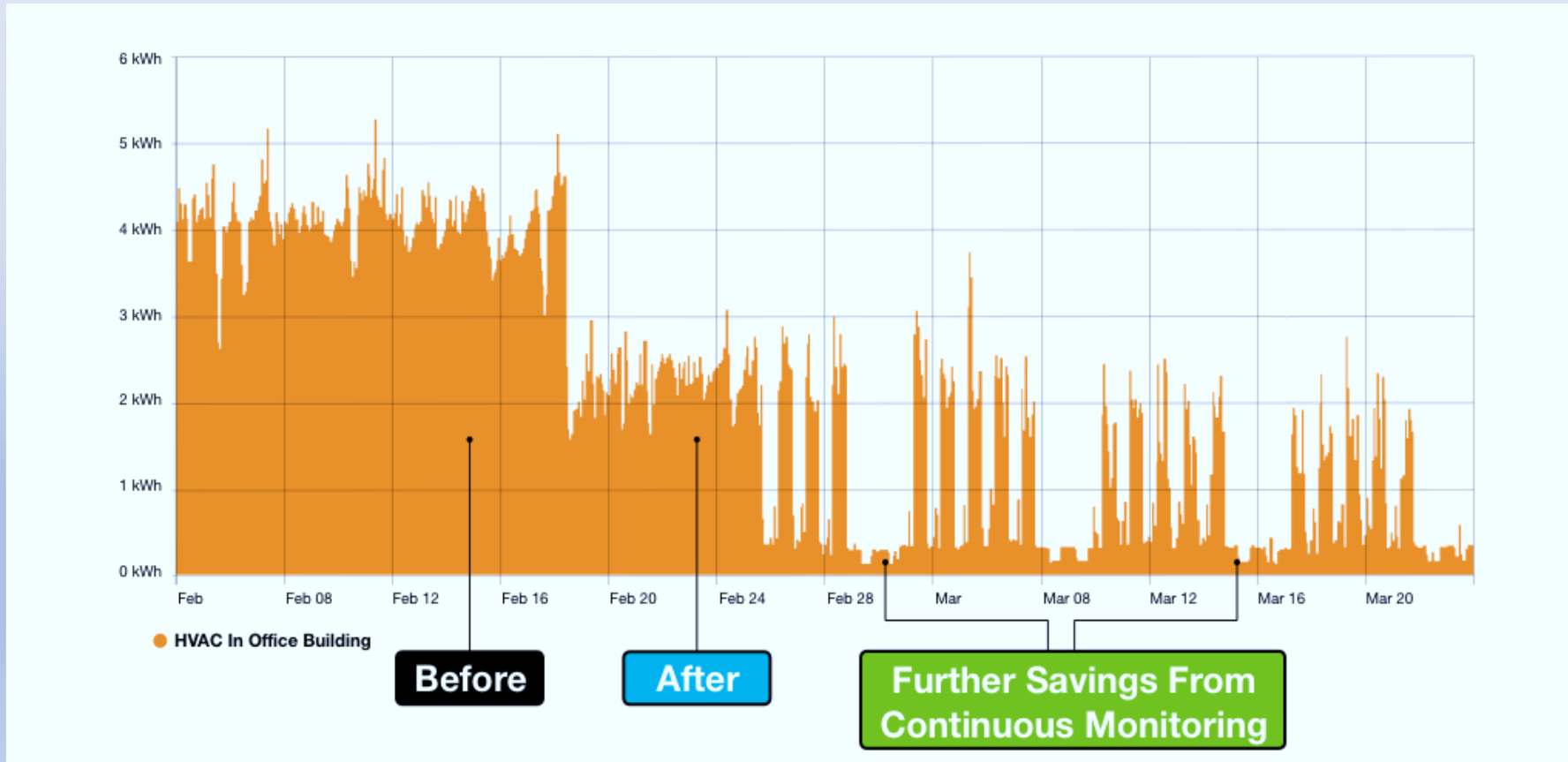
From basic monitoring to a continuously enriched digital performance profile



Asset data matures over time — moving from basic monitoring to a continuously enriched digital twin that improves decision quality across operational, financial, and planning functions.

The solution in action: in just 6 weeks > 70% Reduction

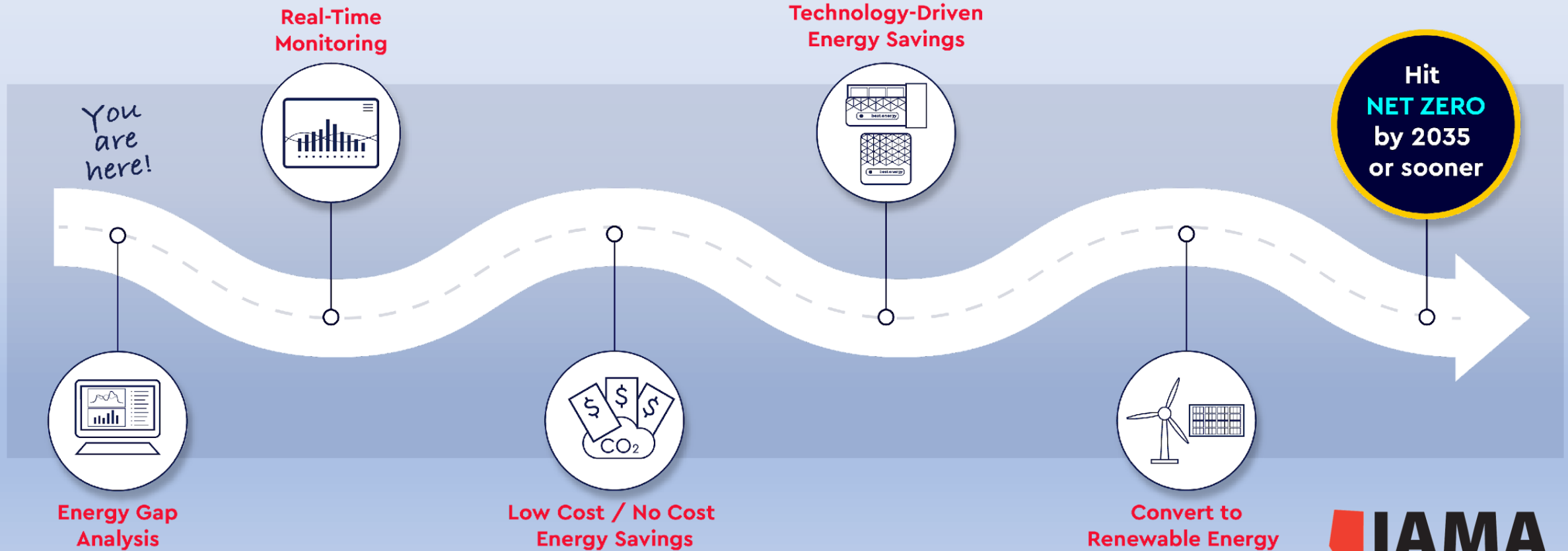
Case Study: HVAC in Office Building, 7-Month Payback



Installed and saving energy already with...









The Journey to Environmental and Economic Impact starts with Analysis



Why Utility-Data-only benchmarking can mislead decision-makers

The Common Approach

SaaS platform pulls in utility bill data to benchmark sites







-  Utility bills show what you spent — not where you wasted
-  Monthly totals mask daily and hourly waste patterns
-  No asset-level visibility — just a whole-building number
-  Benchmarking against averages hides real savings potential
-  Cannot identify why costs changed — only that they did
-  No predictive capability — purely backward-looking

Misleading benchmarks → misallocated capital



The OEC Approach

Real-time IoT monitoring with proven comparative analytics

-  3B+ real data points per day across C&I sectors globally
-  Asset-level monitoring reveals exactly where waste occurs
-  Comparative analysis against actual operational peers
-  95% confidence interval on EE and GHG reduction potential
-  Quantified savings before you commit capital
-  Predictive insights that improve with every data cycle

Verified potential → confident investment decisions

The data already exists.

With 3 billion+ data points collected daily across commercial, industrial, and institutional sectors worldwide, OEC's comparative analysis doesn't estimate — it quantifies the energy efficiency and GHG reductions available to your specific assets, with a 95% confidence interval.



OPTIEM.ENERGY
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Switch On to Efficiency


“Making the Invisible, Visible”

Optimized · Performance · Through · **INTELLIGENT** · Energy · Monitoring

Questions & Discussion

We welcome your questions about how energy intelligence can support your asset management goals.

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