

The background of the slide features a wide-angle photograph of a solar farm at sunset. The solar panels are arranged in long, parallel rows that recede into the distance. The sky is a mix of orange, yellow, and blue. Overlaid on this image are golden, stylized lines that form a complex neural network or web-like structure, with nodes and connecting lines. These lines are most prominent at the top and bottom of the slide, framing the central text.

Powering America's AI Future. Sustainably.

How a revolutionary approach to software optimization is securing US leadership in the AI race while strengthening our national power grid.

The AI Revolution is Transforming Our World

From accelerating medical breakthroughs in hospitals to powering the data centers that run our economy, Artificial Intelligence is unlocking unprecedented progress. America is leading this charge.



But This Revolution Runs on Electricity. An Astonishing Amount of It.



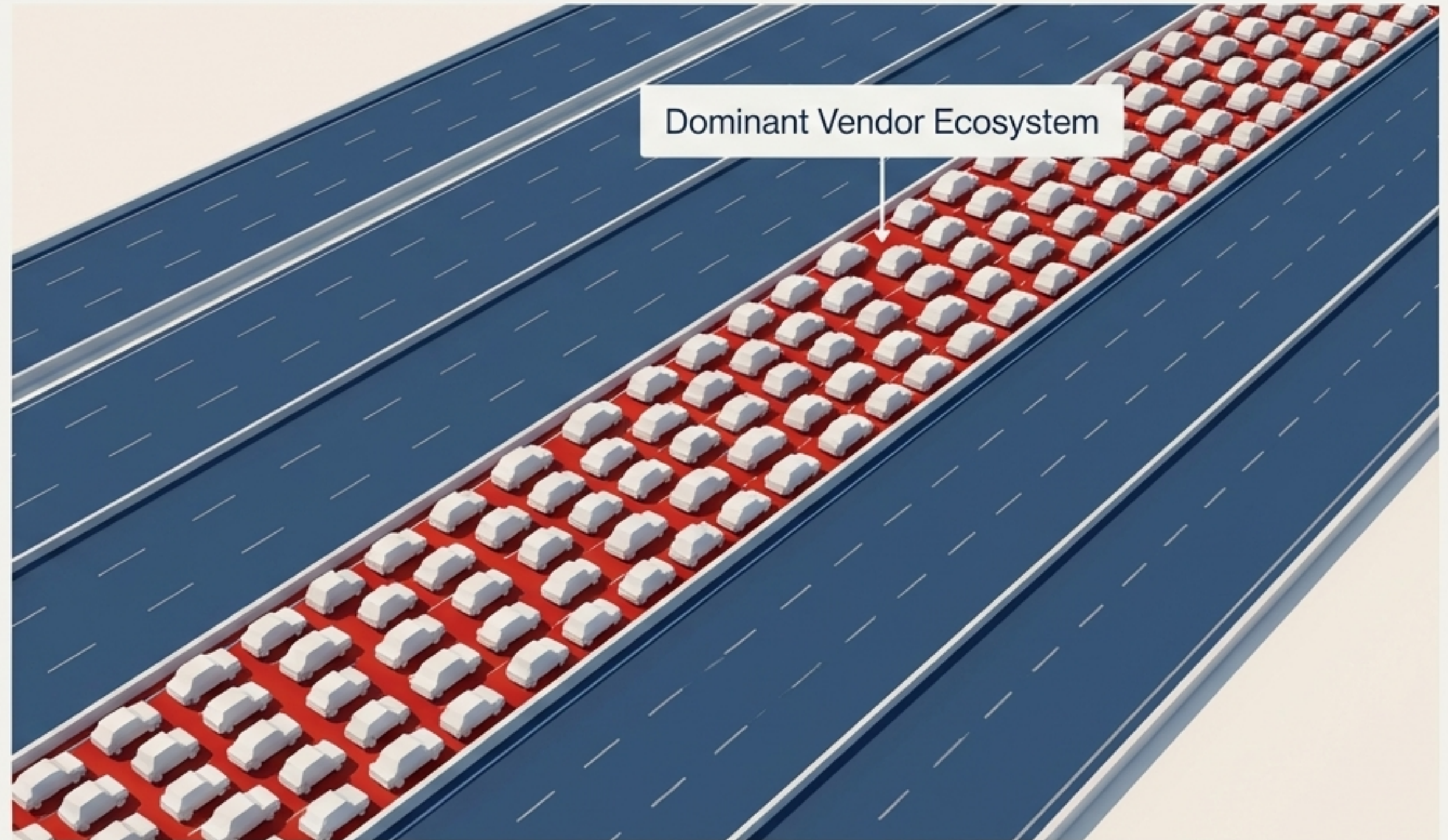
The accelerating demands of AI are creating an energy bottleneck. Data centers and hospitals face skyrocketing utility bills and a carbon footprint that challenges sustainability goals. This isn't just an operational cost; it's a strategic vulnerability for the nation.

AI data centers are pushing the limits of our national power grid.

The Path to Innovation Has Become a Single, Congested Highway.

Our high-performance computing ecosystem has become dangerously reliant on a single dominant hardware vendor. This vendor lock-in drives up costs, creates supply chain vulnerabilities, and stifles the competition needed for long-term innovation.

To win the global AI race, we cannot be dependent on one single source for our most critical components.



A New Paradigm: Optimizing for Intent, Not Just Hardware.

The solution isn't just more hardware; it's fundamentally smarter software. Our GPU Optimization technology is built on a revolutionary principle: **Intent-Driven Computing**.

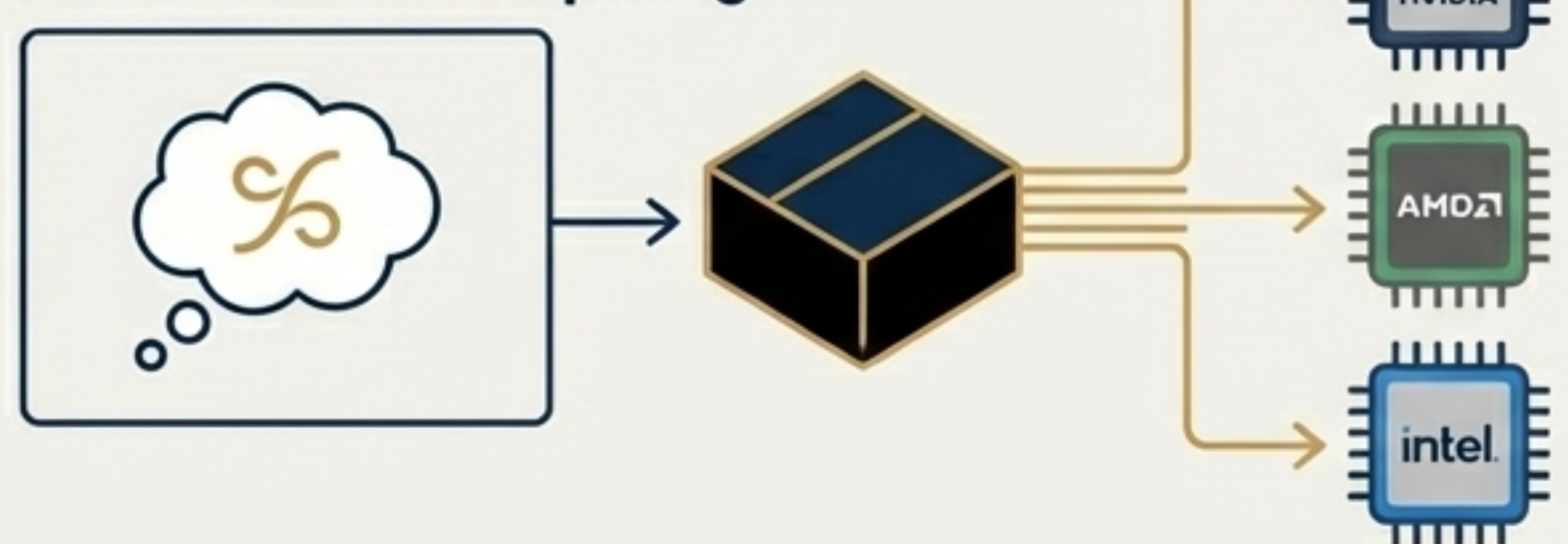
Instead of bluntly converting code, the tool understands its core purpose—its intent. It acts like a master translator that not only speaks every programming language but knows exactly what you meant to say, and the most efficient way to say it on any hardware.

This deep understanding is powered by our patented **Definition of Semantics Blok**.

Traditional Conversion



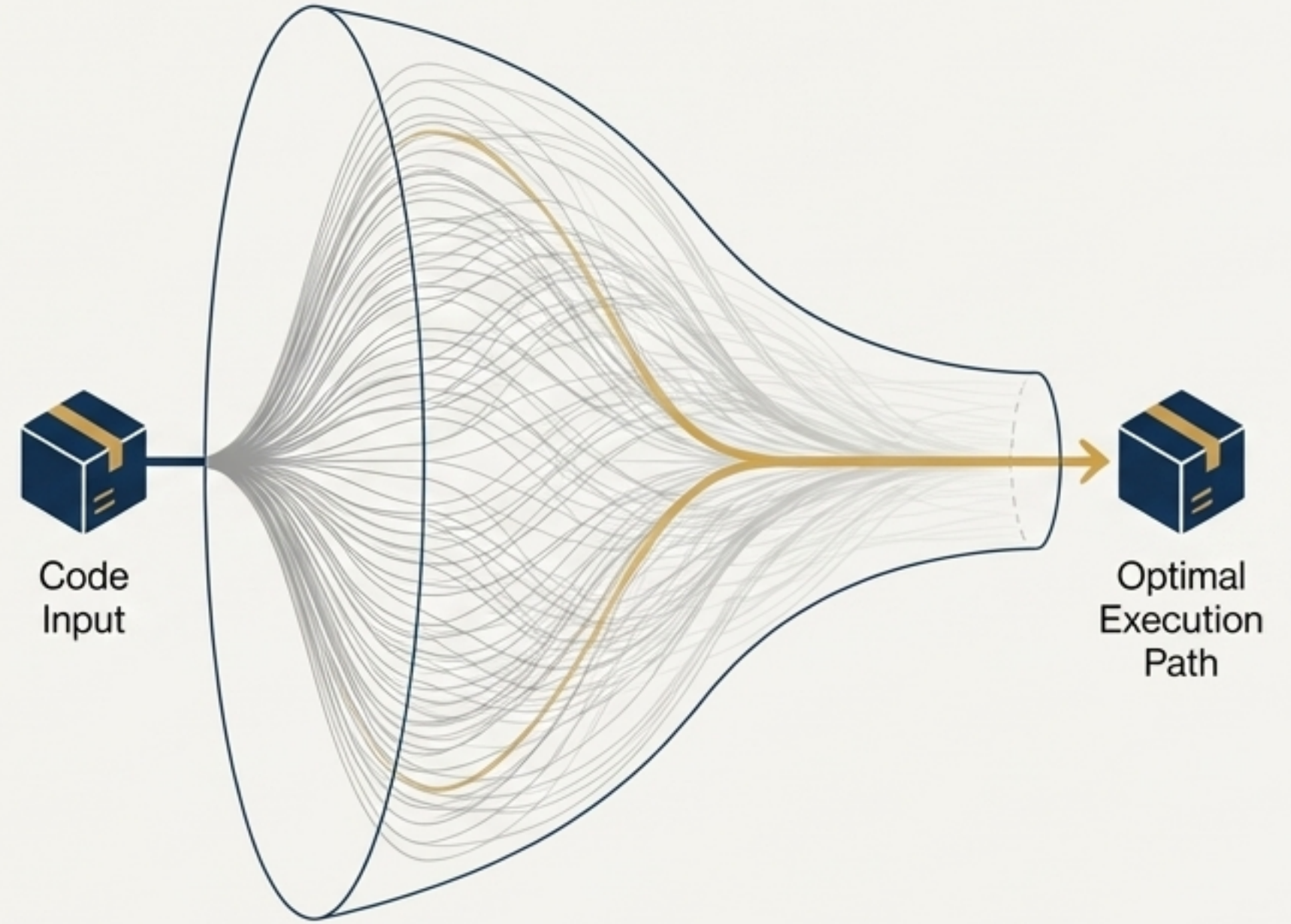
Intent-Driven Computing



Unlocking Near-Theoretical Performance from Existing Hardware.

How does it achieve this? Through a patented process called **Real-Time Permutation**.

Imagine a chess grandmaster instantly seeing thousands of possible move sequences. Our software does this for code. At machine speed, it explores **thousands of execution paths** and selects the **absolute fastest method** for that specific hardware at that specific moment.



To get systems running at up to **90%** of their theoretical maximum speed.

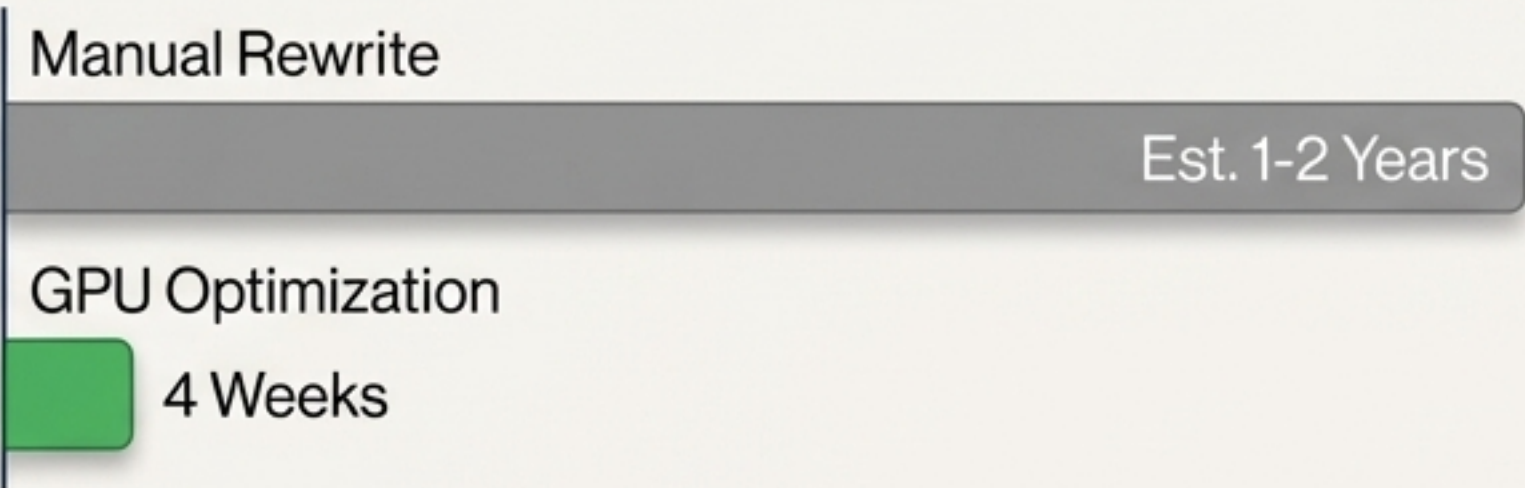
Proof of a Revolution: Code Transformation at Unprecedented Speed.

Modernizing Outdated Code

Case Study 1

Challenge: 750,000 lines of outdated macOS/iOS code. Manual rewrite was unfeasible—too complex, expensive, and risky.

Full functionality restored and code clarity improved in just **4 weeks**.

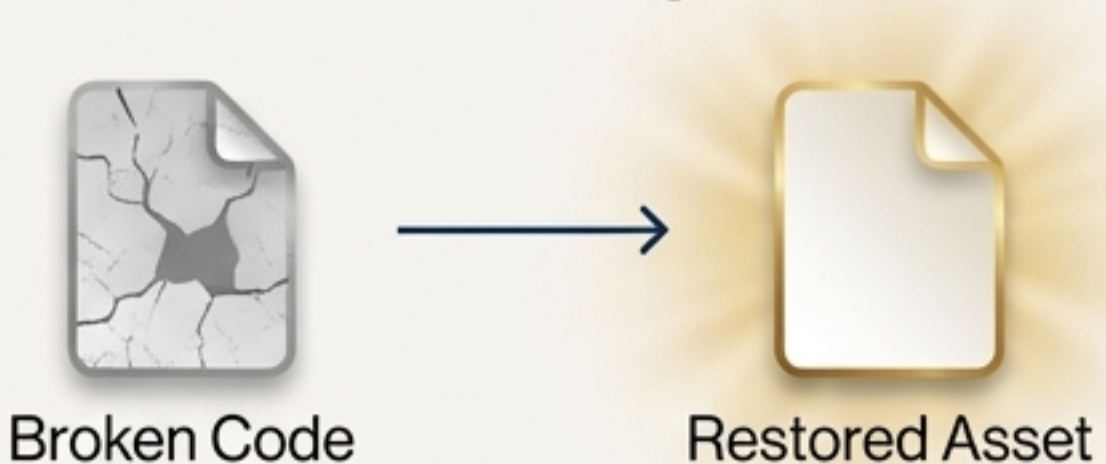


Resurrecting ‘Non-Compilable’ Code

Case Study 2

Challenge: Over 750,000 lines of critical code rendered unusable by deprecated Apple toolchains, breaking GPU support.

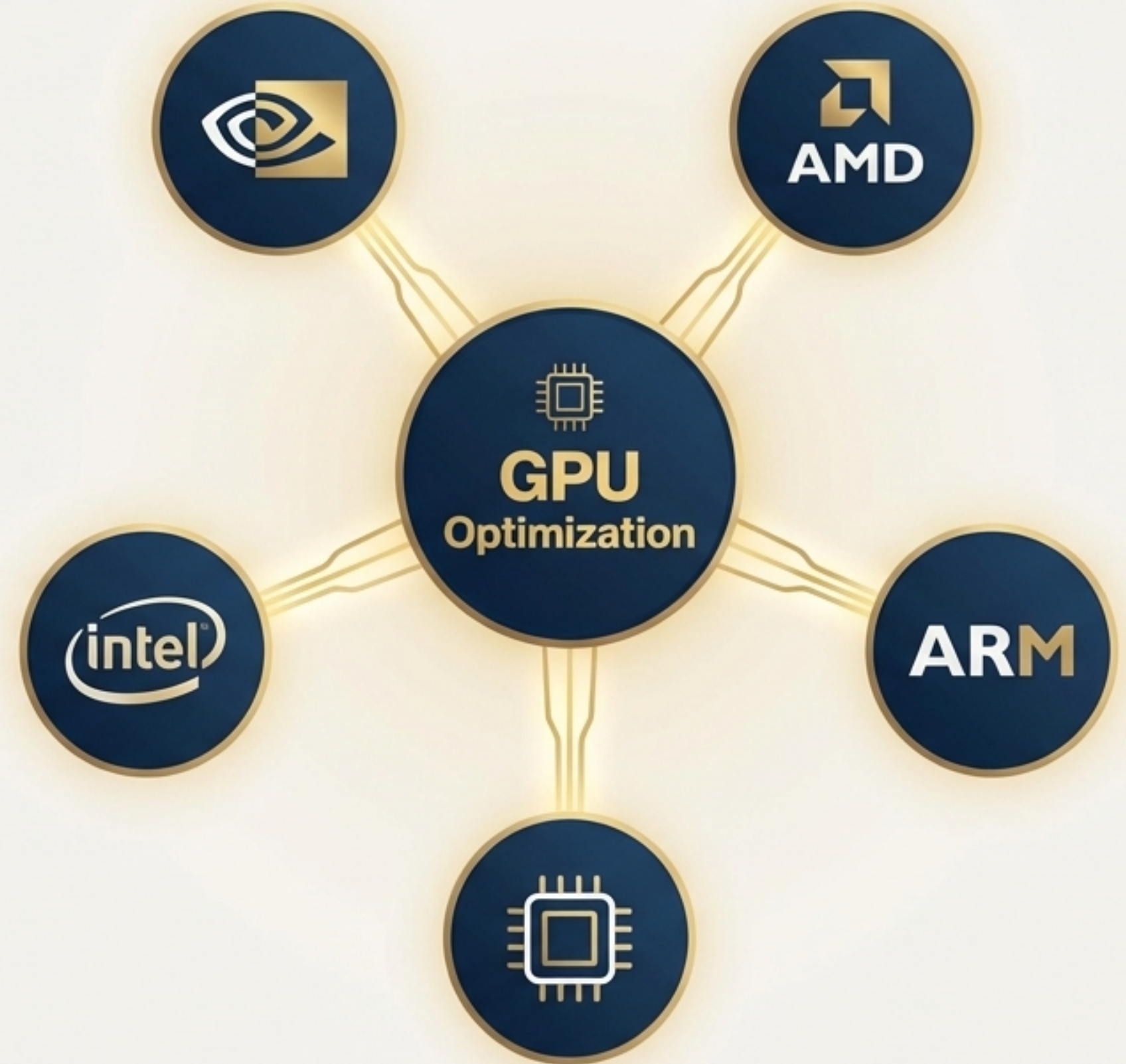
Full compatibility restored in **under one month**, creating a reusable pipeline for future migrations.



Projects that would take years and millions of dollars are now completed in weeks.

Unleashing True Vendor Freedom

Our GPU Optimization is **Hardware Agnostic**. It understands the intent of your software and can output perfectly optimized instructions for any modern chipset. This breaks vendor lock-in. You are no longer solely dependent on one supplier for high-performance computing.



Opening the Superhighways to a Healthier, More Competitive Market



Vendor freedom ignites competition.

High-performance chips from manufacturers like **AMD** become truly viable, high-performance alternatives.

This competition drives down overall hardware costs for data centers and hospitals, accelerates innovation, and builds a more resilient and reliable technology supply chain for the United States.

The Ultimate Insurance Policy for America's AI Leadership

By simultaneously tackling the two greatest threats to our AI dominance—**unsustainable energy consumption** and **strategic vendor dependency**—our GPU Optimization acts as a vital insurance policy. It ensures the U.S. tech ecosystem has the power it needs and the hardware flexibility it requires to out-innovate global competitors, securing our competitive edge for the future.



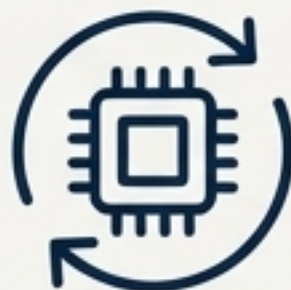
The Result: Cooler, More Efficient, and Cost-Effective Operations

For Data Centers & Hospitals: Optimizing code to near-peak efficiency delivers a powerful triple win:



Lower Utility Bills

Significantly cuts electricity consumption and cooling costs.



Extended Hardware Life

Maximizes the performance and productive lifespan of existing hardware, delaying costly capital expenditures.



Achievable Sustainability Goals

Reduces the carbon footprint, allowing organizations to hit environmental targets without sacrificing performance.

“It’s a direct line to hitting sustainability goals without needing massive new spending.”

Moving Beyond *How* to Focus on *What's Next*.

The future this technology enables is one where innovators are freed from the tyranny of implementation details. When the machine can understand your **intent** and automatically determine the most efficient way to execute it, the question is no longer *how* you will build something.

What will you build?

