

How a Global Enterprise Scaled Faster, While Spending Less

From Bottlenecks to Breakthroughs: A Modern Data Strategy in Action

THE CALM BEFORE THE STORM 01

Energy Studio was already a hero — tracking every heartbeat of the world's oil & gas plants in real time.

Dashboards glowed. Insights flowed.

Everything looked perfect...

until someone asked the question no one wanted to hear:

"Can this really scale?"



THE TRUTH NO ONE COULD IGNORE 02



Behind the brilliance was a cage.

A platform that was too expensive to grow and too vertically rigid to scale.

The market was ready to expand, but the technology wasn't.

THE IMPOSSIBLE ASK 04

The new architecture had to:

- Process 4 TB in 20 minutes
- Prepare dashboards in the next 10 weeks
- Run polygon-based spatial analytics
- And scale horizontally — cost-effectively

All in 6–8 weeks. Failure meant the project died.



ENTER THE ALLY 03

Neoware's Entry Point



S&P didn't come looking for tweaks or cosmetics.

They came for reinvention.

A rebuild of Energy Studio — not bigger, but fearless.

AND THE VILLAINS ARRIVED 05



The clock — relentless. The datasets — massive. The competition — fierce:

Databricks | Snowflake | Kinetica | SingleStore | Apache Druid.

Each fighting to become the chosen one.

Inside S&P's AWS lab, the war began.

THE NIGHTS NO ONE SAW 06

Clusters were built, broken, rebuilt. Pipelines redesigned. Queries optimized.

Spatial analytics tested and tested again.

One mistake and another vendor would win. But quitting wasn't an option

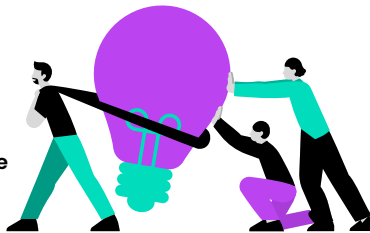


A NEW ERA BEGINS 08

Heavy.AI was gone. Energy Studio was reborn — on SingleStore + Power BI.

SingleStore became the hero of the low-latency engine layer.

And it ran at just 30% of the original TCO.



THE RIPPLE THAT FOLLOWED 07

Within the first year:

- ✓ 10 new customers onboarded effortlessly
- ✓ Met SLAs for operational and analytical reporting
- ✓ Modernized BI system within three months
- ✓ Energy Studio rebuilt — finally free from its limitations to scale up.



EVERY ORGANIZATION HAS A DATA STORY

Some are trapped in silos.
Some speak different truths.
Some don't even know what they're missing.

What's your story?

Let's write the next chapter, together.

Contact Us

