



**verrus**<sup>TM</sup>

*Grid Aware, Carbon Aware, Compute Aware*<sup>TM</sup>

**Building the world's most  
energy flexible & sustainable  
data centers**

# About Verrus

Verrus is designing, building, and operating the next generation of flexible and sustainable data centers

## New approach + groundbreaking design

We take a novel approach to energy backup, flexibility, & management unlocking unprecedented levels of efficiency and sustainability with our advanced optimization capabilities. As a result, our data centers are positioned to serve as an asset to the community and utility grid, rather than a burden.

## Experienced team

Verrus is purpose-built to solve the challenges of today and shape the future of the industry, with decades of experience leading hyperscaler and energy industry innovation.

## Strong financial backing

Backed by private equity including Sidewalk Infrastructure, Ontario Teacher Pension Fund, Stepstone and other. Verrus is uniquely equipped to streamline execution of large data center projects through our institutional partners' long-term view on capital investment and commitment to forward-thinking infrastructure.



BRINGING EXPERIENCE FROM:



Google



Meta

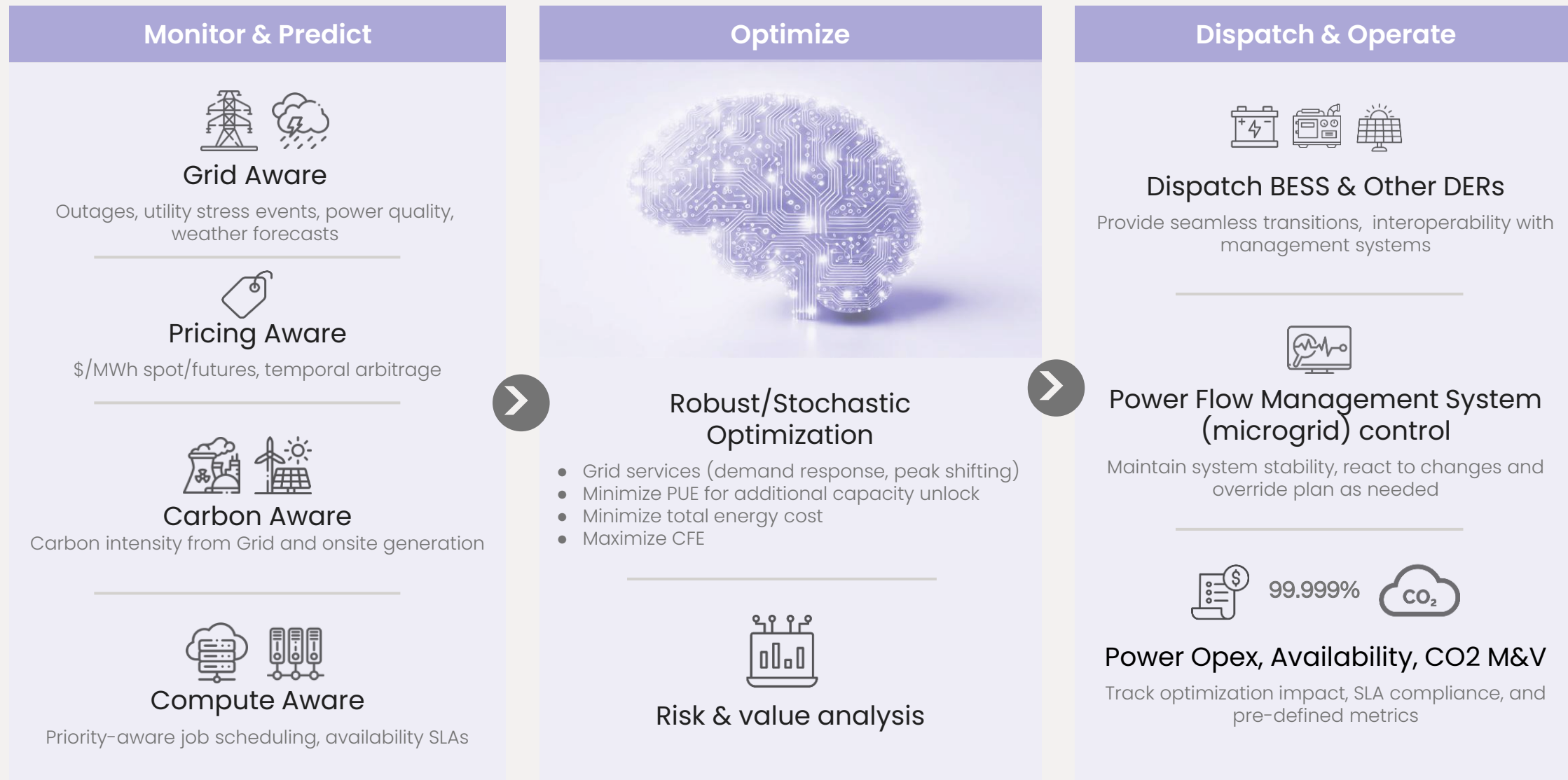
Microsoft



...and many more

# Verrus: Flexible optimization to unlock grid reliability

Our **optimal dispatch system** is the brains behind our advanced power flow management capabilities. It acts in coordination with all data center devices and controllers to enable dynamic backup power allocation, grid services, energy cost and CFE optimization.



# Mega data center growth will strain the grid

Grid not built for high volume of inflexible hyper scale large loads

THE WALL STREET JOURNAL.

## 'Three New York Cities' Worth of Power: AI Is Stressing the Grid

Across the nation, utilities are worried about expanding the overburdened power grid, citing high costs and concerns about commitment from data center projects

## One way data centers can help the grid? By being flexible

Data centers could help slash costs and grid-upgrade times by easing off of utility grids during peak hours and finding ways to provide their own power.

By Jeff St. John  
27 February 2025



Duke NICHOLAS INSTITUTE  
for ENERGY, ENVIRONMENT  
& SUSTAINABILITY



## How to build data centers without raising grid costs – and emissions

Building dirty power plants to serve the AI boom could spell climate disaster. Luckily there are ways to meet surging demand that are cleaner, faster, and cheaper.

By Jeff St. John  
26 February 2025



(Binh Nauven)



Glen Spry - SPRYTLY Consulting

## The Growing Risk of Large Load Losses: What Data Centers Mean for Grid Reliability and Resilience

Glen Spry  
Energy Transition Consultant - Specialized in Virtual Power Plants | Demand Side Management | Grid-Integrated...



February 7, 2025



## Rethinking Load Growth

Assessing the Potential for Integration of Large Flexible Loads in US Power Systems



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**Thank you**

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