

Harvesting Stranded Capacity with Modular Solutions.

Imagine you have a fully populated data center with 20MW of commissioned power, yet your critical IT load is only 10MW. You have no floor space available, but have highly coveted UPS and Generator backed power that clients want to buy. You're not alone. Stranded power is a common dilemma in the colocation industry.

Stranded power is essentially stranded revenue. And it can be high margin revenue, but only if you can extract it from your electrical infrastructure and deliver it in usable form to your clients. Until you have a way to do this, a large chunk of your data center investment is wasted because you cannot generate revenue from the entire 20MW.

To solve this problem, **Compu Dynamics has developed flexible and scalable modular solutions that seamlessly expand your existing data center, enabling you to harvest that stranded power.** We can design and build a solution to fit any requirement on virtually any site, using either traditional construction methods or a factory-built, field-assembled modular approach.

Our modular data center solutions are also ideal for edge requirements, AI / HPC labs, and on-premises government facilities. We can provide **secure, purpose-built, modular data centers from 1MW to 10MW from design to commissioning** under accelerated schedules. Unlike traditional data centers, our approach allows you to precisely control power density, cooling method, and every aspect of the IT environment to match your exact specifications.



Real Use Case Example:

Customer Challenge

10+ year old data center in one of the top markets, with 20MW of commissioned power. Fully leased white space with low-density compute, absorbing only 10MW of critical power.

Solution

Compu Dynamics designed a two-story, high density, low-PUE modular expansion to the facility. This solution offers revenue-generating space with 2 MW of critical power and the option to deliver liquid cooling in the future. The design ensured that no electrical system is ever taxed beyond 80% of design.

Result

The customer can increase revenue significantly, with most of the added revenue going straight to the bottom line.

Want to know more? Schedule a free, no-obligation consultation:

703.796.6070 | info@compu-dynamics.com
www.compu-dynamics.com

Benefits of working with Compu Dynamics:

Your trusted design-build partner:

- Benefit from our extensive experience and expertise in data center solutions.
- Enjoy peace of mind knowing your project is in capable hands from start to finish.

Designed to your specifications:

- Built-to-suit designs – not preconfigured containers.
- A solution tailored precisely to your unique requirements and where you need it.
- Optimized performance and efficiency with a design that fits your exact needs.

Cost efficiency and speed to market:

- Reduce operational costs with our efficient (low-PUE) modular designs.
- Accelerate your time to market with faster deployment compared to traditional data center builds.

Flexibility and Scalability you need:

- Easily adapt to changing demands with our scalable solutions.
- Expand your data center capabilities without the need for extensive new construction.

How It Works:

Step 1:

- You provide information to Compu Dynamics describing the existing conditions.
- You describe the characteristics desired with the new power harvesting addition (i.e. # of cabinets, power density, power/cooling preferences).
- Together, we discuss any site constraints, budgetary issues, operational concerns.

Step 2:

- Compu Dynamics will then translate your needs into a concept for a new modular data center.
- We will provide conceptual budget, schedule, and design information for your review.
- Both parties will continue collaborating on the solution.

Step 3

- If the project is feasible, we will collaborate on the final scope, price and contract terms for a turnkey, design-build solution.
- Compu Dynamics will then deliver the complete solution, commission the critical systems, train the operators, and turnover the new facility.

Industry leading partner ecosystem:

With Compu Dynamics, you receive not only cutting-edge designs but also quality products you can trust. We stand by our commitments, ensuring you can enjoy peace of mind knowing your project is in capable hands. We are one of the top VARs and certified service partners with many leading manufacturers.



About Compu Dynamics:

Founded in 2002, Compu Dynamics is North America's premier data center solutions partner. As a leading service provider, Compu Dynamics delivers exceptional value to its customers through custom designs, superior quality, outstanding services, and ongoing support.



Let's Talk: Want to evaluate if you have stranded power? Request a free consultation.

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