

A smiling male technician wearing a black baseball cap, safety glasses, and a light-colored work shirt with "ComRent" and "FR" patches. He is working on a piece of equipment with a rack of components. The background is a blurred industrial setting. A horizontal bar with segments of blue, teal, yellow, and orange is positioned below the text.

Hire the Best Load Bank Provider for Your Data Center

ComRent®
LOAD BANK SOLUTIONS

Choosing the Right Load Bank Provider

Load bank testing is the most effective way to ensure your data center functions properly from onset and throughout the life of the facility. When searching for a load bank expert, it can be difficult to understand the differences between providers and what requirements are needed for a specific data center.

This white paper will outline the key features that differentiate one load bank provider from another, as well as speak on what characteristics are important. Partnering with the right load bank provider offers a faster, less expensive, safer, and more reliable load testing solution for project commissioning and preventive maintenance.





A Reliance on Data



As consumers' expectation of accessible data grows, data centers are continually evolving to run more efficiently with increased levels of security. By constantly leveraging new systems, methods of communicating, and advancing technologies, data centers are enabling the world to become more connected and digital.

The latest [Cisco® Visual Networking Index](#) projects Global IP traffic will increase threefold over the next 5 years, and will have increased 127-fold from 2005 to 2021. The epicenter of this growth is the data center. To successfully manage the increasing reliance on technology, data centers will need to run more proficiently and reduce any risk of downtime. Partnering with a load bank provider who has the capabilities to match these needs will be crucial to the short-and long-term success and profit of data centers.

What to look for in a Load Bank Provider



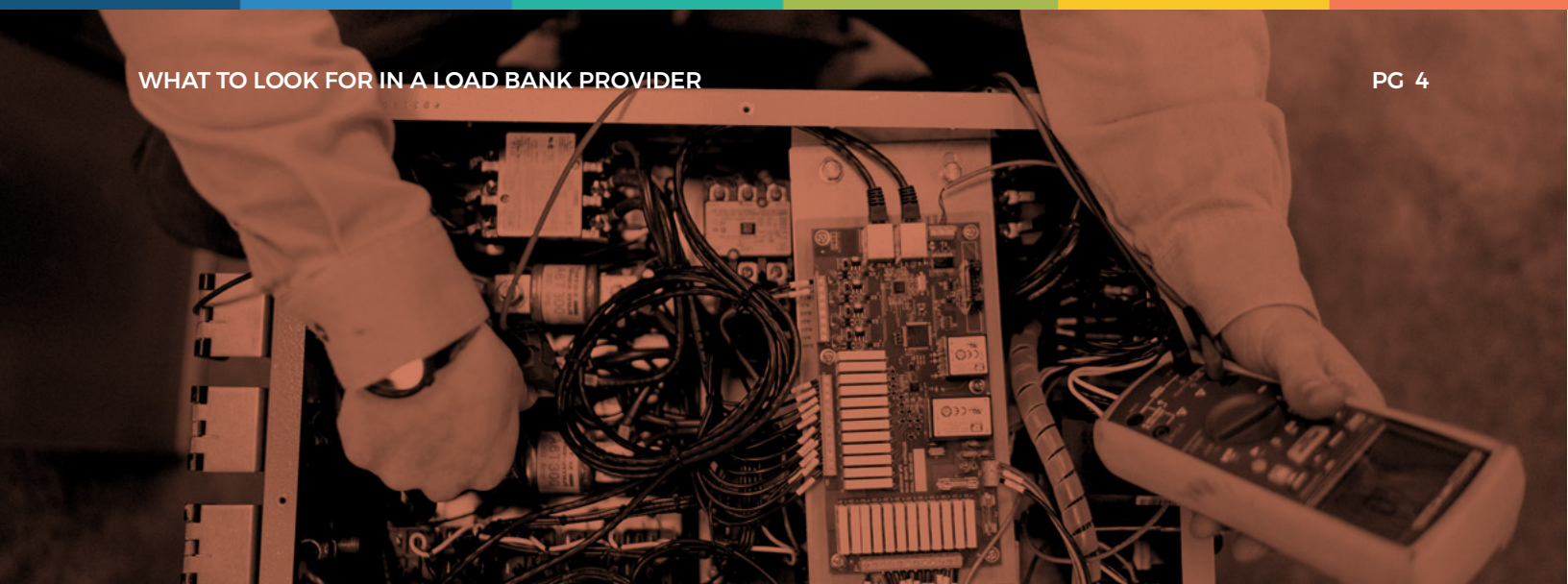
Testing all critical power systems at commissioning and through a preventative maintenance plan are key to reliable performance. An effective load test will alleviate the risk of future downtime and equipment failure.

ACCESSIBLE & RELIABLE EQUIPMENT

Data centers are complex networks that rely on a strong infrastructure. Every critical power system needs to be tested as an individual component and within the system as a whole. Selecting a load bank provider that has the required equipment available to meet those needs means never having to wait for testing or delay opening. An experienced provider will ensure all testing equipment is thoroughly maintained and delivered ready to use, resulting in faster testing and an accelerated opening.

QUESTIONS TO ASK A LOAD BANK PROVIDER TO GAUGE THE ACCESSIBILITY AND RELIABILITY OF THEIR EQUIPMENT:

- How large is your inventory and what is your typical delivery timeline?
- Do you have the proper equipment to test multiple components at once to ensure the entire primary and redundant systems are operating as designed?
- What safeguards do you use to make sure your equipment is reliable to use after transportation? What step do you take if a product is damaged during delivery?



FULL-SERVICE SOLUTIONS

A thorough data center load test will include testing of the generators, paralleling switchgears, Uninterruptible Power Supply (UPS) equipment, batteries, cooling systems, and Power Distribution Units (PDUs). A full-service load bank provider will serve as an industry expert and consultant. The right provider understands the data center market, builds a customized testing plan, and manages each test, reducing labor requirements and lowering associated costs.

QUESTIONS TO ASK A LOAD BANK PROVIDER TO GAUGE THEIR FULL SERVICE OFFERINGS:

- What is your experience load testing data centers?
- How will you ensure all of the testing specifications of my RFP are met?
- If my team is not familiar with testing via load bank, what training or onsite technical support do you offer?

Comprehensive Load Testing



EACH ELEMENT OF YOUR DATA CENTER PLAYS A SIGNIFICANT ROLE.

1. **Rack Mounts** – ensure effective power distribution to server rack components.
2. **Bus Track** – validate the power unit, feed tracks, and tap offs.
3. **RPP** – verify the RPP power distribution, metering and efficiency.
4. **PDU** – verify PDU power distribution efficiency and uptime.
5. **UPS** – validate correct operational performance and autonomy.
6. **Generator** – verify operational capacity, emissions and safety functions.
7. **Substations** – test gross capacity to verify relays and metering.

QUESTIONS TO ASK A LOAD BANK PROVIDER TO GAUGE THEIR FULL SERVICE OFFERINGS:

- Will you build a customized testing plan for my data center?
- Do you have equipment available to test the bus track, RPP, UPS, generator, rack mounts, and substations for peak performance?



CR Remotes

Remotes Make Testing More Powerful and Personal

ComRent's advanced remote technology elevates the standard load bank testing experience while reducing time and labor costs.

Instead of incrementally testing different sections of a data center, a CR remote enables testing on all units in the network at once. A single CR remote has the power to control and monitor up to 50 load banks while producing results and data in real-time.

The remote operates as a universally-integrated platform, connecting across all load bank functions, controls, and operations. By remotely operating all load banks from a centralized platform, operators can activate fans, control loads, and review results during testing to ensure accurate results.

ComRent's fully customizable software system makes it simple to add or remove load banks and customize the "name" of each load bank for simplistic testing. The touch screen remotes utilize an intuitive user interface allowing operators of all technical levels to effortlessly operate CR remotes and achieve faster and simpler load testing.

ComRent is a worldwide leader in load bank solutions. We offer turnkey service for testing and commissioning data centers. With the largest inventory of load banks available nationwide, a team of load bank experts available 24/7, and a technical specialist onsite at every commissioning and maintenance project, ComRent saves time and money while alleviating the risk of costly downtime.

Contact us today for a complimentary consultation.



ComRent Corporate Headquarters

10901 W. 120th Ave., Suite 150
Broomfield, CO 80021



888.881.7118



www.ComRent.com