

Reducing Risk in Data Centre Testing



Modern data centres are incredible feats of engineering, intricately combining computing and networking systems with lighting, power and environmental control. All the elements working together seamlessly to support the data networks we all rely on every day. Like all complex systems, they demand careful design, construction and maintenance – and well planned and thorough testing is integral to this throughout the build, commissioning and operational phases.

Ensuring Uptime

Reliability and uptime are always at the very top of the priority list for data centre operators. Many mission-critical services rely on their operation 24 hours a day and any service interruption can have dramatic impacts on businesses and essential services. Clients increasingly demand challenging SLAs - 99.99% uptime or better is fast becoming an industry standard. **Regular testing and effective system monitoring hugely reduces the risk of faults and subsequent downtime** but accessing the right equipment at the right time can often be challenging, for both operators and contractors.

Much of this essential testing work is carried out by highly experienced contractors. At Eletro Rent, we know that for them, meeting contract waypoints is paramount – coming in ahead of schedule can bring bonuses while missing deadlines often incurs hefty penalties. **Not having access to the right equipment can be a major risk to contract delivery and poor-quality equipment can cause delays and create low-quality test data.** By optimising their testing programs – for speed, accuracy, and project completion – they can greatly reduce these risks. Our tailored equipment rental solutions offer fast, flexible access to the latest testing technology, helping ensure you achieve your contract waypoints and avoid costly project delays. With a comprehensive range of power and network equipment in stock and ready for fast delivery our team will help you access the equipment you need to keep your projects moving.

Commissioning is Key

Like other critical infrastructure data centres operate always-on, so rigorous testing before power-on ensures stable operation for the years ahead. Individual systems are tested during installation, but it is also vital to test the entire operation before switch-on to see how it functions as a whole – the essential commissioning phase.

Commissioning though creates an acute need for test equipment, presenting a **particular problem to contractors as many additional test instruments are required** for a short period – often just a few weeks. Equipment rental is the ideal tool to meet this need so that contractors don't have to hold an expensive and underutilised inventory of equipment themselves.

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Optimise Testing to Reduce Risk

Our rental solutions are designed to meet other challenges too. For example, if a project is behind schedule, contractors can often recover timelines by renting extra equipment to reduce test times without affecting the quality of testing. Rental also ensures access to the latest testing technology in a way that scales flexibly to the needs of any contract or project.

Many of the leading equipment manufacturers, including VIAVI, Fluke and EXFO offer cloud-based systems that centralise test data storage and management. Combined with tools to analyse testing results, these useful solutions reduce the risk associated with managing test data and can greatly improve efficiency, saving test engineers valuable time. By storing all your test data in one place they also make it easy to present a full picture to clients, demonstrating performance against SLAs.

Why Rent?

- Flexible access to the latest testing technology
- Fast delivery to meet project timelines
- Comprehensive inventory stocked with the leading brands
- Excellent service and support throughout

Our customers also have exclusive access to the MyER customer Portal. This allows them to manage all their equipment rental contracts and assets online giving direct control over their rental assets. They can see all their contract in one place, request calibration and quotations, assign test assets to projects, and even add assets they own.

Partner for Success

The single most effective way to reduce risks in testing is to have a test procurement partner that understands your technical needs and offers access solutions to meet your timelines. Thanks to our long-standing partnerships with the world's leading test equipment manufacturers, we are in a unique position to offer a comprehensive rental inventory and independent advice throughout the data centre lifecycle. We help mitigate risks inherent project and contract delivery so our customers can concentrate on building the data centres of the future.

Learn more about our solutions for easy access to the latest test equipment for your project or contract [here](#).