

# Certified Rated-3 Resilience at Scale.

## Business Objective

A 1.9 MW IT load data centre in Vietnam required full TIA-942-C Rated 3 evaluation across design and facility to ensure optimal efficiency, reliability, and availability with multi-layer gaps identified across cooling, electrical, safety, and structural systems.



## BUSINESS NEED

### Achieve TIA-942-C Rated 3 Certification

- Validate both design and physical implementation against Rated 3 standards for a 1.9 MW production facility.

### Eliminate Single Points of Failure Across All Infrastructure Layers

- Identify and resolve redundancy, segregation, and configuration gaps in cooling, electrical, safety, and cabling systems.

### Establish Scalable, Compliant Infrastructure

- Ensure structural and network improvements support long-term expansion alongside certification compliance.

## SOLUTION & IMPACT

### TIA-942-C Rated 3 Certification Secured

- Full certification achieved across design and facility for one of Vietnam's largest rated DCs, 3-year validity established.

### Single Points of Failure Eliminated Across 5 Infrastructure Layers

- Cooling, electrical, safety, structural and cabling gaps all identified and corrected, robust N+1 redundancy delivered.

### Scalable, Future-Ready Infrastructure Delivered

- Rack density expansion enabled and remote monitoring introduced to reduce operational risk and streamline maintenance.

## Conclusion

Technavious delivered end-to-end TIA-942-C Rated 3 certification for one of Vietnam's most significant data centre facilities. Through a comprehensive multi-layer audit spanning cooling, electrical, safety, structural, and cabling systems, every non-compliance was resolved, giving the operator the international certification, operational resilience, and scalability platform needed for long-term growth.