

MICRO DATA CENTERS

Build. Commission. Manage.

Secure, resilient edge infrastructure for locations where power, logistics and field support cannot be taken for granted.

CONNECTS
POSSIBILITIES



ONE ACCOUNTABLE PARTNER. END-TO-END DELIVERY.

Acel Technologies coordinates the design, deployment, integration and lifecycle support of modular micro data centers and edge facilities across Africa, Asia-Pacific, Latin America and other difficult-to-serve markets.

MICRO DATA CENTER BUILD

Outcome: A commissioned, acceptance-ready edge facility delivered through one coordinated programme.

- Desktop and physical site surveys
- Solution design and implementation planning
- Modular shelter, racks and structured cabling
- Grid, UPS, battery, generator and solar integration
- Cooling, fire protection and environmental controls
- Grounding, lightning protection and site security
- Network integration, testing and commissioning
- As-built records and customer acceptance package

MICRO DATA CENTER MANAGE

Outcome: Reliable operation backed by regional field resources, spares and measurable service levels.

- 24/7 remote monitoring coordination
- Preventive and corrective maintenance
- Power, battery, generator and cooling support
- Equipment replacement and upgrade execution
- Regional spare-parts storage and last-mile delivery
- Site access and incident escalation management
- Response-time tiers and SLA-backed field support
- Monthly service and performance reporting

IDEAL FOR: Satellite gateways and PoPs | Telecom edge networks | Government and diplomatic communications | Financial services | Mining and energy | Remote enterprise operations

A STANDARDIZED OFFER, CONFIGURED FOR THE SITE

Acel combines a defined baseline scope with configurable resilience, security and response options. Final design and service levels are confirmed after assessment.

AVAILABLE CONFIGURATIONS

OPTION	BEST FOR	CONFIGURATION FOCUS
EDGE ESSENTIAL	Single-site deployments and light edge workloads	Core shelter, rack, cabling, power protection, cooling, security and commissioning.
EDGE RESILIENT	Mission-critical operations with unstable grid power	Redundant power and cooling options, batteries, generator or solar, enhanced monitoring and spares.
EDGE MANAGED	Distributed fleets requiring lifecycle accountability	Preventive and corrective maintenance, response-time SLA, remote coordination and monthly reporting.

DELIVERABLES

- Site assessment and implementation plan
- Approved design and bill of materials
- Installation and commissioning records
- Test results, photos and as-built documentation
- Acceptance certificate and asset register
- Maintenance plan and SLA reporting, when selected

WHY ACEL

- **Regional execution:** vetted, actively managed local engineers
- **Integrated delivery:** logistics, civil works, power, networks and maintenance
- **Difficult-market readiness:** customs coordination, warehousing and last-mile support
- **Lifecycle accountability:** one point of coordination from survey through operations
- **Established footprint:** 100+ countries and 19+ years of field

RELEVANT DELIVERY EXPERIENCE

Multi-country satellite infrastructure: Turnkey installations and 24/7 in-country support for SES across Africa, plus installation, commissioning and lifecycle maintenance for global satellite operators and integrators.

Remote-infrastructure foundation: Light civil works, shelters, fencing, hybrid power, solar, generators, network integration, regional logistics and managed maintenance in difficult-to-serve markets.

NEXT STEP

Request a Micro Data Center Assessment

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SCAN TO VISIT