

# Microgrid Services



## OVERVIEW

At Integrity, we help utilities plan, operate, and optimize microgrid systems with real-time engineering expertise and field support.

Our team understands the complexities of modern distributed systems and delivers tailored solutions to ensure reliable performance, whether commissioning new systems or troubleshooting existing ones.

## WHY INTEGRITY?



Deep understanding of utility standards, operations and safety



Fast-response engineering support where and when it matters



Built-in collaboration between field, engineering, & operations



Proven record across microgrids, PSPS, DER, and grid resiliency efforts

## COMPREHENSIVE MICROGRID SUPPORT

### Project Engineering & Commissioning:

- Engineering support from planning to in-service
- Review of one-lines and construction drawings
- Site validation - ensure field installations align with design
- Troubleshooting during events and commissioning

### Operator & Field Resource Enablement

- Creation of training materials, job aids, & support documentation
- In-person & remote operator training for complex projects
- Real-time engineering consultation for the Distribution Operations Center (DOC)

### Grid Modernization & Controls Analysis:

- Control system analysis and operational support
- Liaison services between DOC and engineering teams to streamline communication
- Support for hosting capacity studies and distributed generation integration

**LET'S BUILD WITH PURPOSE TOGETHER**

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## ABOUT US

Integrity is a utility-focused engineering and field services firm headquartered in Arizona. Since 2015, the company has partnered with electric utilities to deliver safe, high-quality solutions across transmission, distribution, and substation projects. With a team of over 80 professionals, Integrity provides a full suite of services - from design and project management to field verification and construction support - helping clients execute with confidence and agility.

## COMPREHENSIVE MICROGRID SUPPORT EXAMPLES

### 01 MCAS Microgrid

- Ensured NEC and utility compliance
- Oversaw testing and relay timing
- Supported full system interconnection and operational readiness

### 02 Multiple Utility Microgrids

- Developed training and support docs for operators
- Assisted DOC during outages and troubleshooting
- Reviewed and validated field installations against design

### 03 Fire Mitigation & PSPS

- Designed tracking tools (Fulcrum, Power BI) for protection schemes
- Built patrol plans and fast-relay risk mitigation strategies

### 04 Irrigation & Remote Projects

- Motor flicker and voltage studies for VFD/soft-start load impacts
- Developed design enhancements to maintain system voltage and reduce trips

### 05 Border Infrastructure

- 150+ miles of voltage study and line design
- Specified use of line reactors, STATCOMs, and line device settings to balance line capacitance

## POWER RESILIENT SYSTEMS WITH US

Connect with us to learn how we can support your microgrid operations.



[integritypsc.com](https://integritypsc.com)



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