



Case Study

Fast-Growing Drone Manufacturer Builds a Scalable Calibration Program to Support Production Growth



Overview:

A fast-growing U.S. manufacturer of advanced public safety drone systems was expanding its production capabilities and strengthening the quality processes needed to support continued growth.

The company develops and manufactures highly engineered drone technology used by first responders for emergency response, situational awareness, search and rescue, and other mission-critical applications.

As manufacturing activity increased, the organization recognized the need for a more structured approach to documenting and maintaining calibrated tools and test equipment. It selected SIMCO to help establish a calibration program capable of supporting its evolving quality requirements.

⚠ The Challenge:

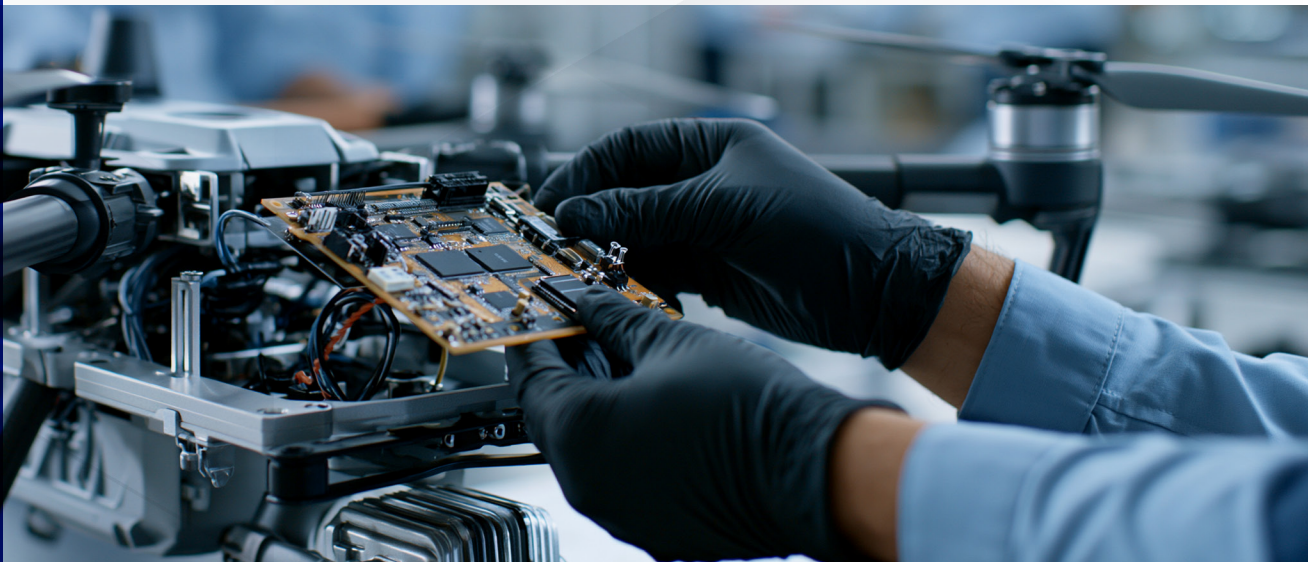
Rapid growth was placing new demands on the company's quality infrastructure.

As production expanded, maintaining accurate calibration records and ensuring that measurement and test equipment remained properly calibrated became increasingly important. The organization needed to strengthen its calibration processes while minimizing disruption to engineering and manufacturing teams.

Key requirements included:

- Supporting a growing quality management program
- Maintaining documented calibration records for measurement and test equipment
- Helping ensure tools used in engineering and production remained within required specifications
- Establishing a dependable calibration process that could scale with manufacturing growth
- Providing service flexibility as the company's equipment population evolved

For a manufacturer producing technology used in critical public safety environments, confidence in the tools used to develop, test, and manufacture its products is an important part of maintaining consistent quality.





The Solution:

SIMCO worked with the company to establish calibration support for assets used across its operations.

The program provided a more structured approach for maintaining calibrated equipment and the associated service documentation required by the company's expanding quality processes.

By partnering with an experienced calibration provider, the manufacturer could rely on dedicated calibration expertise rather than placing the full administrative and technical burden on internal engineering and quality teams.

SIMCO's calibration and repair capabilities also provided the flexibility to support a diverse and evolving equipment base as the company continued to scale its manufacturing operations.

Supporting Quality as Manufacturing Scales

As the company continued to grow, a dependable calibration process became an increasingly important part of its quality infrastructure.

The SIMCO program helped the manufacturer:

- Maintain greater confidence that calibrated tools and test equipment were ready for use
- Strengthen documentation supporting its quality processes
- Reduce the internal effort required to coordinate calibration activities
- Establish a repeatable process that could grow alongside production
- Support consistent measurement practices across engineering and manufacturing activities

The engagement also gave the company a foundation for expanding calibration support as its equipment population and production requirements continued to evolve.

Building a Foundation for Continued Growth

As advanced manufacturers move from product development into larger-scale production, calibration becomes more than an equipment maintenance activity. It becomes part of the quality system supporting repeatability, documentation, and manufacturing confidence.

By establishing a structured calibration relationship with SIMCO, this public safety technology manufacturer created a foundation that could evolve alongside its growing operations.

Keep Calibration Ready for What Comes Next

SIMCO helps innovative manufacturers build calibration programs that support quality, production, and growth. From individual instruments to expanding equipment populations, SIMCO provides the technical expertise and service infrastructure needed to keep critical measurement equipment calibrated and ready for use.

Build a Calibration Program Ready for Growth

Talk With a Calibration Specialist



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SIMCO is the leading provider of calibration and software services for technology organizations, bringing over 60 years of calibration industry leadership. Our experience enables us to develop exceptional solutions for service management.

Founded in 1962 to service NASA and high technology firms in Silicon Valley, SIMCO is committed to delivering life-saving quality leaner, by providing the highest level of quality and customer service.

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