

# High-Tech Components

Including Avionics

Success has many components.

Imagine if you were plugged into an organization that had its own full-service, state-of-the-art maintenance, repair, and overhaul (MRO) shop, capable of servicing virtually all of your aircraft components, including complex avionics.



How would it improve your operations? What would it mean for your bottom line? Perhaps it's time you found out.

## Your total resource for high-tech components including avionics

United Services<sup>SM</sup> can provide most of the benefits of having your own MRO facility. Instead of investing your money in capital equipment and personnel, you can leverage our investments and expertise to acquire nose-to-tail MRO services for the Airbus and Boeing fleet types we fly.

Even better, as a United Services MRO customer, you'll enjoy the convenience of having a single resource for component repairs. That's right, no headaches from trying to coordinate repairs with multiple equipment manufacturers or other vendors. Our extensive capabilities make us a true one-stop shop.

## Cost-effective solutions

With eight decades of operational experience, we've developed a corporate culture that encourages innovation, leading us to develop repair strategies that:

- Better utilize inventories
- Minimize life-cycle costs of aircraft parts

- Reduce turn times on intricate repairs
- Increase component life spans
- Improve reliability of parts and complex systems

This pragmatic approach has led us to pioneer many repairs, some of which have become the industry standard. And we are happy to provide our FAA-approved solutions to our customers.

## Equipped to meet your needs

United Services' avionics and high-tech components shops service more than 250,000 line removable units annually, ranging from computerized avionics to the high-tech components within an aircraft's pneumatic or hydraulic systems.

To troubleshoot, test, repair, recalibrate, and recertify the avionic components that flow through our facilities, United Services' technicians use more than 30 sophisticated automatic test equipment (ATE) stations, each costing up to \$3 million. This substantial investment makes it possible for United Services to test myriad avionic components from diverse manufacturers.

The benefits of our extensive capabilities are readily observed in our avionics shop, where more than 170 technicians work on about 1,500 different parts, in six specialized product centers. That means you can turn to us for repairs for virtually every computer and complex component in the avionics suite on the Airbus A319, A320, Boeing B747, B757, B767, or B777.

## Expertise you can count on

Of course, it not only takes the right tools to deliver effective MRO services; it also takes well-trained technicians.

Thanks to our on-going commitment to employee recruitment, training, and retention, you will find that highly accomplished teams are the rule throughout our repair shops. In our avionics and high-tech components shops, for instance, most of our technicians have been on the job 15 years or longer.

## More value, more convenience

As a complement to traditional MRO services, we also offer a full range of engineering services, including, but not limited to:

- Avionic component reliability analysis
- Maintenance program management
- Rogue unit identification and resolution
- No-fault-found analysis
- Component configuration control
- Other technical assistance

What's more, United Services can help you access needed parts in stations worldwide through our component exchange program. These convenient agreements help you avoid AOG situations and save money on inventory by allowing you to exchange unserviceable components for serviceable parts from inventory at United.

## The support you need

United Services' high-tech components and avionics shops are equipped to meet your needs, no matter how great or small. Just take a look at our extensive list of capabilities:

### Fleet Types Supported

- Airbus A319 and A320
- Boeing B747, B757, B767, and B777

### Aircraft Systems Serviced

- Avionics
- Hydraulics
- Pneumatics
- Engine accessories
- Electrical
- Mechanical
- Engine line replaceable units (LRUs)
- Composite control services and engine cowls repair

## Avionics Systems Serviced

- Flight management
- Inertial reference
- Fuel control
- Communications
- Weather radar
- Batteries
- Lighting
- Electronic power controls
- Inflight entertainment
- Navigation instruments
- Electronic flight controls and autopilot
- Cockpit indicators
- Flight/voice recorders and instruments and data acquisition

## Services Performed

- Testing
- Calibration
- Repair
- Maintenance
- Overhaul
- Composite Repair

## The best in the world

Anyone can claim their MRO capabilities are among the best in the world, but we can prove it. In our avionics shop, for example, these numbers speak louder than words.

- 55,000 Square footage of our San Francisco avionics facility
- 30+ Number of automatic test equipment (ATE) stations used by our avionics technicians
- 170+ Technicians performing avionics MRO
- 15+ Years of experience of most of our avionics technicians
- 1,500 Number of discrete units our avionics technicians are trained to repair
- 55,000 Annual volume of units tested and/or repaired in our avionics shop

## High-Tech Components

When you need cost-effective, reliable MRO services for your avionic systems or other high-tech components, United Services can provide comprehensive solutions.

We service the following aircraft types:

### Airbus

- A319
- A320

### Boeing

- B747
- B757
- B767
- B777

## Contact Us

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