Customizable Solutions for Aerospace & Defense Manufacturers

Where industry challenges meet innovative solutions.



leadec

Your Trusted Partner for Sky-High Aerospace Support

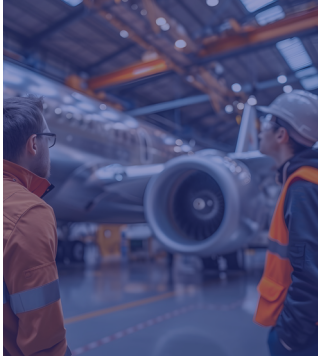
The aerospace and defense industry demands operational precision, equipment reliability, and production agility. Leadec partners with manufacturers to deliver integrated maintenance, facility management, technical cleaning, and operational support solutions that keep critical production environments running at peak performance.

From aircraft assembly equipment maintenance to complete facility operations, Leadec's customized solutions help manufacturers increase uptime, improve productivity, reduce costs, and support production growth while maintaining rigorous safety and quality standards. Backed by decades of manufacturing expertise and a commitment to continuous improvement, Leadec enables organizations to overcome workforce challenges, optimize operational performance, and achieve long-term success.

Why Aerospace Manufacturers Trust Leadec

- **Deep Manufacturing Expertise:** 60+ years supporting industrial operations.
- **Full Lifecycle Support:** From greenfield launches to mature production facilities.
- **Embedded Workforce Model:** Leadec teams are integrated directly into customer operations.
- **Global Strength, Local Support:** Worldwide resources with local responsiveness.
- **Proven Results:** $3M annual savings, reduced downtime & enhanced maintenance planning.








Comprehensive Aerospace Manufacturing Support:

Engineering & Integration

- Turnkey Conveyor Integration
- Automation Solutions
- Controls Integration

Maintenance & Optimization

- Production Equipment Maintenance
- Preventative & Predictive Maintenance
- Facility Maintenance
- MRO (Maintenance Repair Operations

Installation & Relocation

- Equipment Installation (Mechanical & Electrical)
- Production Line Relocation

Facility Support & Management

- Technical Facility Management
- Integrated Facility Management (IFM)
- Technical Cleaning
- Logistics

Your Benefits

- **Production Reliability & Asset Performance:** Leadec helps aerospace manufacturers maximize equipment uptime through integrated maintenance programs, reliability engineering, and proactive asset management strategies that support production goals.
- **Digital Manufacturing Intelligence:** Using Industrial IoT technologies, advanced analytics, and the Leadec.os platform, Leadec transforms operational data into actionable insights that improve maintenance planning, inventory accuracy, and production performance.
- **Reliability & Continuous Improvement:** Leadec leverages proven maintenance strategies, asset management practices, and continuous improvement initiatives to enhance equipment reliability, reduce downtime, and drive long-term operational excellence.
- **Skilled Workforce:** With an 85%+ employee retention rate and extensive training, Leadec's experienced, cross-trained team addresses labor shortages and skills gaps, ensuring seamless operations and high-quality service.

Aerospace Manufacturing Challenges. Solved.

Aircraft manufacturers, defense contractors, and aerospace suppliers face increasing pressure to accelerate production, improve quality, reduce costs, and overcome workforce shortages while maintaining stringent compliance standards. Leadec delivers integrated manufacturing support services that help organizations meet these demands and maintain operational excellence.



Increasing Production Rates

Global aerospace manufacturers continue to increase production to meet growing aircraft demand and defense program requirements.

How Leadec Helps

- Production equipment maintenance
- Predictive maintenance programs
- Reliability engineering
- Asset lifecycle management
- Production support services



Skilled Labor Shortages

Manufacturers continue to face challenges recruiting and retaining maintenance technicians, logistics personnel, and facility support professionals.

How Leadec Helps

- Embedded on-site teams
- Technical staffing support
- Cross-functional maintenance resources
- Process & program documentation



Unplanned Downtime

Every hour of downtime can impact production schedules, deliveries, and profitability.

How Leadec Helps

- Preventive and predictive maintenance
- CMMS optimization
- Asset criticality assessments
- Spare parts management
- Root cause analysis



Digital Transformation

Manufacturers need actionable data to make faster and more informed operational decisions.

How Leadec Helps

- Digital maintenance programs
- Asset performance analytics
- Work order optimization
- Production reporting
- Data-driven continuous improvement

Case Study

Enhancing Operation Management for a Major Airplane Manufacturer

Leadec's comprehensive services support clients from the ground up.



In 2021, a prominent aerospace manufacturer with a 30,000 sq. ft. facility in the Southeastern United States partnered with Leadec to overcome critical challenges. The client aimed to optimize Production Support Maintenance and Spare Parts Management as part of a broader effort to enhance their overall maintenance strategies. This was a challenging task as the client had no prior records in their CMMS for inventory or maintenance scheduling.

Leadec's Approach

Leadec's solution was twofold, tailored to meet the client's specific objectives. First, Leadec enhanced inventory availability and streamlined inventory management within the CMMS. Second, by gaining deep insights into the client's operations, Leadec developed new job plans and refined preventive maintenance schedules to improve overall efficiency. Leadec's services included:

- Production equipment maintenance.
- Spare parts management.

Outstanding Results

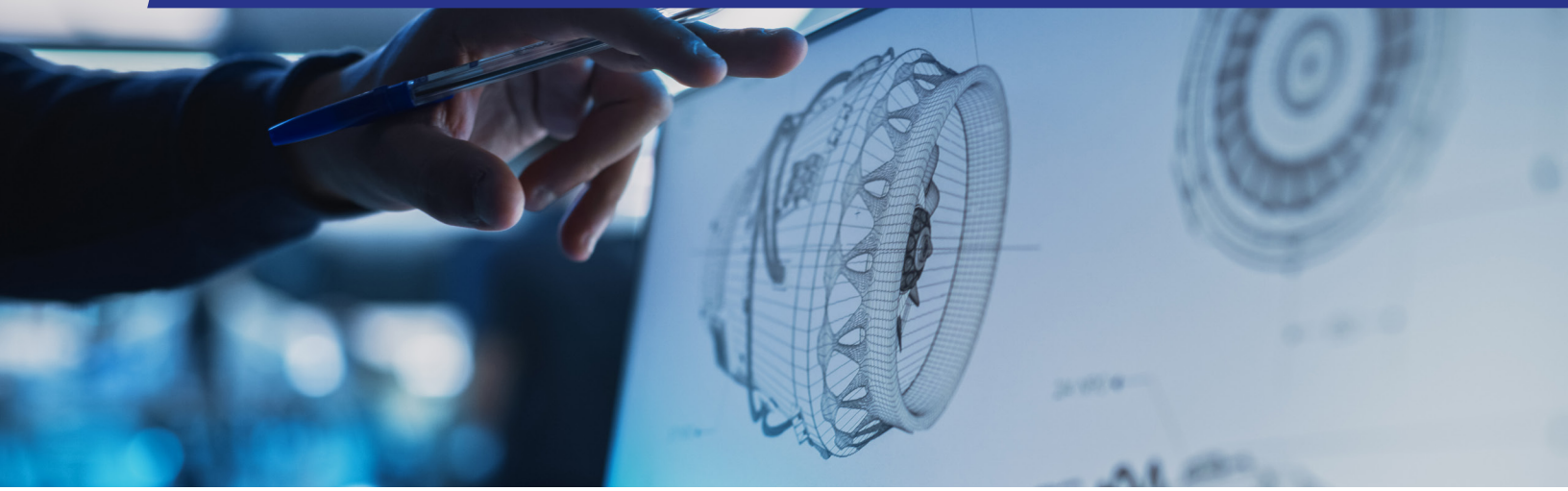
Through Leadec's dedicated efforts, the manufacturer experienced substantial improvements, including:

- Exponentially reduced in downtime for board washers.
- Resolved chemical contamination in the DI water supply.
- Dramatically reduced alcohol evaporation through the installation of advanced alarm systems.

Case Study

Optimizing Maintenance Operations for a Major Airplane Manufacturer

Leadec provides tailored solutions for a prominent aerospace manufacturer.



A major airplane manufacturer with 1.5 million+ sq.ft. of facility space in the Southeastern United States has been Leadec's partner since 2015. The client aimed to enhance equipment performance and reliability across their manufacturing operations while maintaining the high standards of technology, quality, and technical interfaces that define their industry reputation.

Leadec's Approach

Leadec's solution involved performing Production Equipment Maintenance (PEM) tasks using tools and technology best suited to the aerospace field. Leadec was able to aid in the development of detailed machine histories to identify opportunities to optimize maintenance schedules and reduce unplanned downtime. Leadec's PEM services included:

- Planned jobs and project completion maintenance.
- Assets and tool control program management.
- Ground support equipment maintenance.
- Production equipment work order management.

Outstanding Results

Partnering with Leadec achieved astonishing results for this manufacturer, including:

- A remarkable $3m in annual savings.
- Downtime reduction, improved reaction time, and increased technical availability.
- Optimized maintenance and production processes through data collection and analysis.

Why Aerospace Manufacturers Choose Us

At Leadec, We Love Your Factory.

For over six decades, manufacturers around the world have trusted Leadec to support their operations from facility launch through full-scale production and beyond. Our mission is simple: help customers build more, operate smarter, and perform better.

You Can Count on Leadec

- Global manufacturing expertise with local support
- Integrated maintenance and facility solutions
- Proven cost reduction and uptime improvement strategies
- Flexible workforce and operational support models
- Scalable programs for greenfield and established facilities
- Strong safety culture and process discipline
- Data-driven continuous improvement approach

Leadec's Current Aerospace Portfolio



Partner with Leadec to reduce costs and accelerate growth.

Leadec is the leading global service specialist for factories across their entire life cycle and related infrastructure. We leverage best-in-class engineering and a global supply chain to deliver high-quality manufacturing solutions.

The Leadec Group is headquartered in Stuttgart, Germany, and employs over 22,500 people worldwide. For 60+ years, Leadec has been supporting its customers along the entire production supply chain. The service provider is based at more than 380 sites globally, often directly at the customers' plants and facilities.

To meet our clients' changing needs, we have developed an effective, efficient and scalable business model so that we can deliver all of the support services and free our client to focus on their core mission.

Contact us today to streamline your operations.

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