

# Product Delivery



Your path to on-time,  
on-budget, on-plan performance

# In-depth industrial design and engineering knowledge, innovative technology and agile implementation

With solid foundations in software, hardware and systems engineering design, development and deployment, ThoughtFocus delivers on time, on budget and on plan for international leaders in commercial aviation, aerospace, defense and space. Providing unsurpassed engineering and technical capabilities for the most demanding environmental and mission-critical applications ThoughtFocus serves as a premier product and systems development partner across the aerospace spectrum.

Speed, technical know-how, and agility to meet program needs and demanding operational requirements.

Leverage our broad range of engineering resources, talent, and support for product design, reverse engineering, software development, flexible manufacturing, testing, certification, 3PL, services, and more to scale your operations, enhance your product build capabilities, improve on-time performance and quality, accelerate time to service, and deliver high reliability products and systems vital to your space mission.

## Comprehensive product lifecycle, engineering, development, and support from concept to aftermarket

Systems engineering and design

With an emphasis on concept and design development, validation, analysis, and certification:



Hardware



Software



Electronic



Mechanical

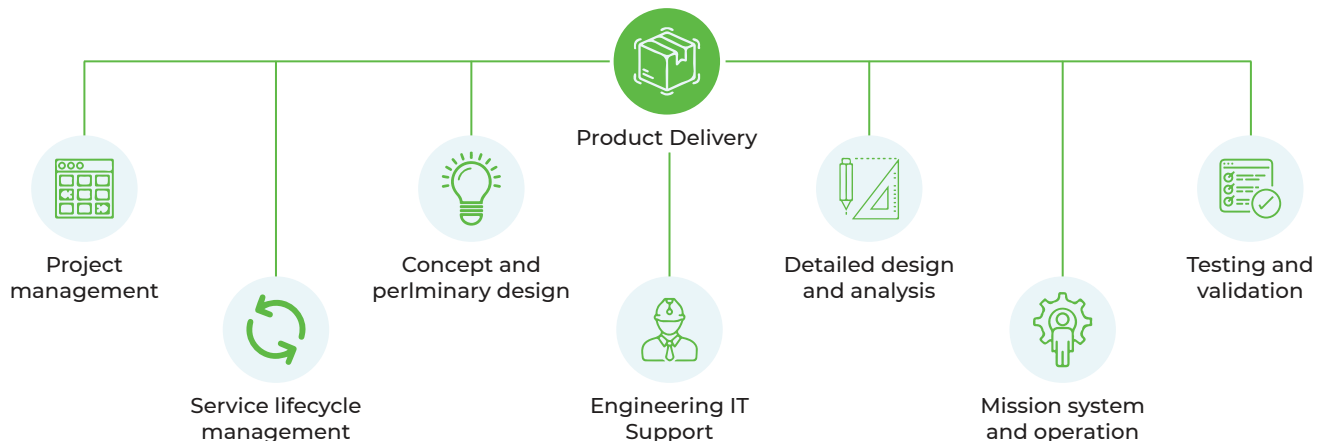


Electronic



Systems

## Our Engineering and Technology Services Span



## Advanced Engineering resources

Comprehensive program support from initial engineering design to production, qualification and ongoing mission performance and analysis



- Overall systems architecture, design, modeling and management
- Avionics systems engineering, and instrumentation design and manufacturing
- Computer-aided hardware design, fabrication and analysis
- Advanced flight systems software development and certification
- Guidance & Control systems engineering, production, monitoring and management
- Remote systems development and control

## Manufacturing production

Focusing on complete production management and support of new and replacement/reverse engineered products



- Product design analysis and validation
- Production capacity analysis
- Manufacturing engineering support
- Production floor management and support
- Work plans development
- Test fixtures, quality test, and inspection
- Tooling design for new production

## Supply chain support

Enhancing warehousing, fulfillment, and distribution through greater efficiencies and cost awareness



- Process design - SCOR model
- Vendor sourcing and supplier management
- Bid preparation and analysis
- Supplier quality certification and compliance
- Procurement planning and operations
- Fulfillment work-flow analysis and support
- Delivery analysis and assurance

## Mission System support

Targeting vital mission operational requirements and lifecycle demands



- AI and robotic systems design and management
- Mission planning and modeling
- Systems communications; real-time command and control
- Remote diagnostics and bit-byte monitoring
- Performance analysis and issues management

## Technology and Talent Sourcing

Work with, for, and on our client's behalf



- Technical staffing lead management
- Talent recruiting
- New hire vetting
- Professional support staffing; onshore and offshore, all engineering disciplines
- Contract employee sourcing and management



## Our unique advantages save you time and lower your costs

When budget, resource or time constraints prevent you from capitalizing on new opportunities or maximizing **current business**, ThoughtFocus affords you the **speed, scale, technical know-how, and on-demand capability** to meet market needs and expand your business. We work alongside you to design, build and certify superior **parts, systems and solutions for you or your customers** - at a **fraction of the price and a faster time to market** - offering unsurpassed quality and a cost basis that assures your competitive position in the parts supply ecosystem.

ThoughtFocus offers a globally integrated technology laboratory and development service boasting the latest advances in original-new and new-replacement product software, hardware, and testing. Whether you are an OEM or an aftermarket parts organization, ThoughtFocus can augment your team.

Take advantage of our low-cost, off-shore engineering, design, inspection, and documentation to improve reliability, scale your aftermarket business operations, and speed up your turnaround. Better products, better results, better ROI.



## Fueling operational excellence and unparalleled business value

Our technical abilities in precision parts design and manufacturing are second to none.

We understand properly designed and implemented product delivery and support strategies are essential to managing costs, meeting program schedules and successfully accomplishing the space mission.

"Optimize manufacturing, inspection, and testing; improve supply chain processes and enhance the quality and useful life of parts, components, and assemblies."

## A range of services and capabilities for product and service lifecycle management

From design, certification, and manufacturing to testing, modification, and final disposal, our teams deliver with **speed, scalability, and agility**--assisting you and your network in achieving results that are **on-time, under-budget, and beyond comparison**. Hands-on thorough leadership, broad talent base, and implementation expertise.

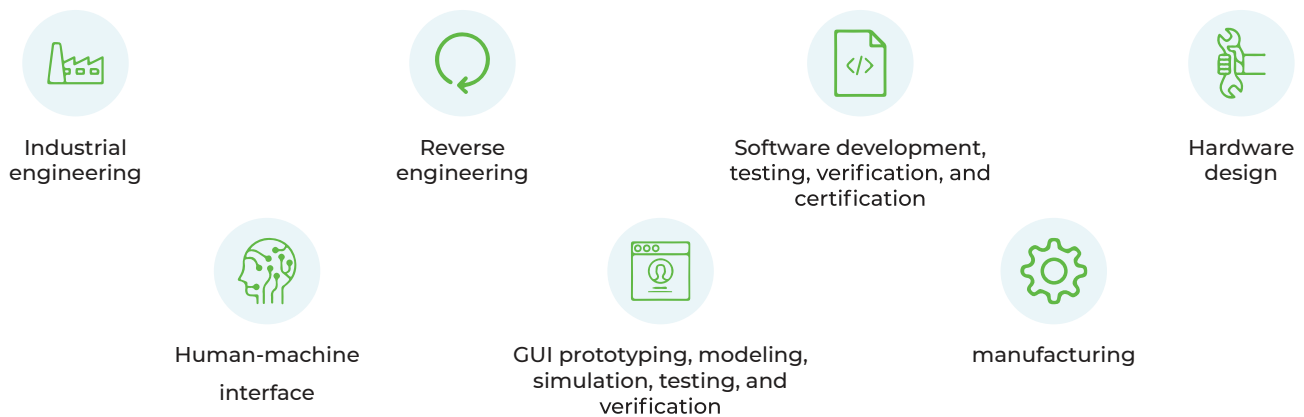


From the design and manufacture of parts to the installation process, ThoughtFocus supports you every step of the way with:

- Program and account management
- Ongoing process analysis and refinement
- Technical staffing support in all aviation engineering disciplines

ThoughtFocus stands ready to advise, lead or support your product development effort in whatever way necessary.

From avionics to aircraft structures, through power plant and electrical/electronic systems, including pneumatic and hydraulic systems, interior and inflight entertainment design, ThoughtFocus offers complete, nose-to-tail product engineering, design, manufacturing, testing, certification, and delivery including:



Our sophisticated engineering capabilities and tools include:

- Computational dynamics
- Detailed analyses: Statistical, Thermal, Structural, Frequency, Finite Elements
- Drawings and blueprinting
- Industrial engineering time studies
- Value stream mapping
- Manufacturing layout and design
- 3D modeling and printing of mechanical components
- Serialized parts planning
- Broad-based simulation capabilities

Unique, globally available 1st Article and production-run inspection capability, featuring Computer-Aided Inspection, and Smart Inspection Station™ 3D Scanning from Level 3 Inspection:

- 1st Article Inspection for new and used/refurbished parts

- In-line production run inspection for ongoing manufacturing

#### QA

- High-accuracy 3D Scanning for modeling and 3D printing

Expert technical publication and documentation services, produced and delivered worldwide via a joint initiative with Althom Gbmh, offers a rapid-response, affordable, and offshore alternative for regulatory and mission compliant documentation, such as:

- Maintenance and repair manuals
- Flight and cabin crew operator manuals
- Aircraft schematics and wiring diagrams and manuals
- Illustrated parts documents, manuals, and catalogues



## Experience

Supporting aviation and aerospace with advanced engineering design, manufacturing, and compliance testing of new and upgraded parts. For product line expansion, new market initiatives, and better, more cost-effective business process management.

## Business Partner

- A valued business partner to aviation businesses around the globe, ThoughtFocus assists partners in lowering costs, scaling growth, and improving time to market.
- An integral part of our clients' solutions delivery team, we form strong relationships with their management, manufacturers, and suppliers; ensuring complete transparency and tight alignment between teams and executive priorities.

## Product delivery experts

- We offer a global footprint with domestic and offshore capabilities and facilities for industrial engineering, software development, and hardware design and manufacturing. Customers leverage these capabilities to extend their product and service lines, optimize costs, tap additional expert resources, and adapt to a fluid global industry.
- We offer customers the flexibility to scale operations to seize market opportunities, while enhancing, and sustaining existing product lines.

## About us



ThoughtFocus helps forward-looking companies and organizations in the financial services, manufacturing, and higher education/public services sectors innovate and achieve a better future faster. ThoughtFocus' innovative and cutting-edge technology solutions enable its customers to deploy new capabilities faster, deliver better user experiences, and drive operating efficiencies. We do this through executional excellence and mitigating the risk of change. With headquarters in the U.S., the Company has more than 2,100 employees in locations spread across five countries.

For more information, please visit the company website [www.thoughtfocus.com](http://www.thoughtfocus.com).

