SAP Implementation
Connecting the extended enterprise
Business transformation touches all elements of the enterprise, evolving the organization bogged down by business as usual into an agile entity that is robust and resilient – an intelligent, visually managed, and connected enterprise adaptive to changing requirements and environments.

**Monitor, control, and adapt**

A digitally transformed enterprise reduces planning and production cycle times, inventory levels, and increases service quality. The connected business is networked with suppliers, customers, and outsourced/offshore partners for better calibration of supply with demand, optimizing supply chain efficiency, and lowering costs.

Connecting production systems and assets with manufacturing processes reduces associated costs and increases asset availability. Connected enterprises have real-time visibility across multiple suppliers, locations, sensors, and machines, allowing them to better measure and control production from prototype all the way through to final assembly, distribution, and warehousing.

Thanks to efficiencies created through the application of digital technologies such as the Internet of Things, 3D printing, artificial intelligence, and machine learning, digital transformation of the supply chain affords the enterprise flexibility, scalability, ease of deployment, and cost-containment.

Enabling this transformation is the SAP HANA platform.

**Accelerate production, improve quality, and reduce costs**

In a lean organization, all elements across the extended enterprise are connected and continuously communicate status and exceptions, delivering the right information at the right time to the right device to empower supervisors and line employees with information to intercede and keep the process flowing. Sensor data and analytics provide the basis for early warning systems and production reliability.

Production dashboards provide simulations, recommendations, and predictions that minimize material flow deviations and stabilize production. And all of it is digitally stitched together in a wireless fabric that covers the entire organization.
ThoughtFocus gets you from there to here

First, we begin by analyzing the operation and all the process steps:

- Checking quality figures
  - Pass/fail numbers
  - Customer complaints
  - Returns
- Interviewing key members
  - Inside your organization
  - Supply chain partners
- Identifying gaps and bottlenecks
- Developing solutions that keep everyone informed and all parts moving in sync

Digital connections drive the enterprise of the future

ThoughtFocus IoT gateway connectivity core:

- RFID smart tags and readers record the ingress and egress of parts and kits
- Andon lighting systems provide visual alerts on status and anomalies
- Wearable devices communicate exceptions in real-time to and from shop floor associates
- Warehousing is notified immediately of missing parts
- 1st article and production digital inspection
- Digital video monitoring

Awareness, alerts, control – the technologies behind Just In Time

ThoughtFocus’ IoT Gateway employs a variety of efficiency technologies to transform your business into a fully connected enterprise. RFID smart tags, barcode readers, environmental sensors, access control, visual controls, and management, video, wearable devices, Andon lighting, sensor fusion, ZigBee, Wi-Fi, connectivity to the Internet of Things… all these technological advances assist in providing real-time data to power predictive analytics and self-learning. The fusion of these technologies helps capture and process information on the environment, people, machines, and process - assessing status, location, actions, and exceptions to enable a smart system that informs, alerts, coordinates, and connects all process stakeholders.

Enhanced data management, analytics, and app development accelerates innovation

- Workforce engagement
- Supplier engagement
- Big Data and Internet of Things
- Customer engagement

Whether you are employing legacy systems, migrating to SAP HANA or deploying a new ERP platform, ThoughtFocus’ Enterprise Network Innovations team provides both in-depth S/4HANA support as well as custom solutions that integrate equipment and product data throughout the enterprise.
Experience
Our expertise in SAP spans the entire aerospace value chain, introducing digital technologies for predictive analytics, self-learning, artificial intelligence, automation, and hyper-connectivity to:

- Streamline product development
- Visually control assembly
- Enable just-in-time distribution
- Automate transactions and processes
- Improve supplier collaboration power
- Optimize warehousing
- Enhance distribution

The resulting transformation allows all stakeholders in the aerospace ecosphere – developers, manufacturers, service providers, supply chain partners, MROs, and asset owners - to dramatically improve efficiency, enhance customer service, and increase revenue.

ThoughtFocus is your technology partner, able to integrate and implement digital technologies that truly transform your business.

About us

About ThoughtFocus

ThoughtFocus is a privately held technology and services company serving middle market to large enterprise clients in Professional Services, Manufacturing, Financial Services, Higher Education and Aerospace. Clients look to ThoughtFocus for innovative solutions in product engineering, knowledge process outsourcing, and digital transformation. The company has a global spread and is one of the fastest growing technology services companies. ThoughtFocus is a technology partner and portfolio investment company of Blackstone, a leading private equity firm.

ThoughtFocus has its US offices in New York City, Milwaukee, Atlanta, Dallas and Irvine with delivery centers in India at Bengaluru, Mysuru, Gurgaon, Hyderabad and in the Philippines at Baguio City.

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