

CASE STUDY



CHALLENGE

- No single system providing developmental design, engineering and manufacturing planning capabilities, linked tightly with material planning, execution, logistics, and maintenance functions.
- One-of-a-kind manufacturing.
- Multiple legacy systems.

APPROACH

- Tapestry to integrate GOLD with a variety of other point systems to create an integrated solution (i-GOLD).
- Program expanded due to a contract win to a \$30M project, shifting requirements.
- i-GOLD modules and subsystems implemented as part of the smaller project.

RESULTS

- i-GOLD became the centralized solution integrating multiple functions together.
- Replaced multiple legacy systems, eliminating support costs.
- Over a weekend the OEM's mod center accomplished a "big bang" conversion and rollover to i-GOLD.

Military Aircraft Manufacturer

Using i-GOLD™ to manage modifications, maintenance, and logistics

A major military aircraft manufacturer implemented Tapestry Solutions' i-GOLD software system at its development and modification center to manage modifications, maintenance and logistics for all military aircraft programs.

The OEM's development and modification site faces the unique challenge of developing one off aircraft configurations from the engineering concepts through flight testing and delivery of the first article. The mod center's unique business model requires a hybrid system that combines the functionality of traditional MRO systems with a manufacturing planning solution geared toward one-of-a-kind manufacturing. In the past, the mod center managed this effort using a combination of home-grown systems and an early technology MRP system, which required the redundant manual entry of data into several of the systems. The site has the challenge of manufacturing small numbers of parts

that are no longer available from any other procurement or manufacturing sources.

The OEM set out to find a single system that would provide all the developmental design, engineering and manufacturing planning capabilities, linked tightly with the material planning, execution, logistics, and maintenance functions. Unfortunately, after over a year of searching and conducting two-day product demonstrations from more than ten suppliers, the OEM found that no such single system existed.

The OEM was implementing and expanding the use of several point solutions for manufacturing planning, inventory control, government property management, and repair of repairables. Additionally, the OEM was expanding their footprint in the MRO business by taking over a large portion of a closing Air Force base, where they opened a depot-level maintenance and support facility of government aircraft.



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Unable to find a single, off-the-shelf solution, the OEM selected Tapestry Solutions to integrate GOLD with other products to create a single solution, which was dubbed “i-GOLD.” Shortly after Tapestry began integration on this \$4 million, 18 month program, the OEM opened the Southwest support center and won a five-year PDM program. At this point emphasis shifted from the mod center’s business process requirements to those of a site doing repetitive depot-level maintenance programs, growing it into a \$30 million, five-year common system development program.

In the meantime, i-GOLD modules and subsystems were implemented at various other OEM modification and maintenance sites as blocks of functionality and integration were completed that would satisfy the smaller contract requirements.

Integration between several point solutions, creating an effective application to manage multiple functions.

Several OEM sites and programs began using the available modules, allowing the OEM to realize savings that i-GOLD business case had projected, as well as gain a competitive advantage in competing for additional modification and maintenance contracts. After implementing Version 2.1, the OEM not only realized cost savings from i-GOLD, but also from the ability to shut down and eliminate the support costs of legacy systems.

Over the course of a weekend the OEM’s mod center accomplished a “big bang” conversion and rollover to i-GOLD. On the following Monday, the entire site was live and operational on i-GOLD. An internal end-user satisfaction survey was conducted after the ‘go-live’ date, indicating a success of a well integrated solution.

ABOUT GOLDesp MRO & SUPPLY

GOLDesp™ is a premier software solution that integrates maintenance and supply to provide lifecycle support management of high-value complex assets for air, land, sea, and space. GOLDesp is combat proven and fully deployable, increasing asset visibility, mission readiness, and reducing sustainment and operational costs.

ABOUT OUR COMPANY

Headquartered in San Diego, California, Tapestry Solutions has approximately 850 employees and a presence in more than 50 locations around the world. A wholly-owned, independent subsidiary of The Boeing Company, Tapestry provides premier Commercial Off-the-Shelf (COTS) and custom software products and service to customers worldwide.



i-GOLD’s enhanced functionality provided the OEM major cost savings and the ability to shut down and eliminate the support costs of legacy systems.

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