



Alphanova Consulting

EFFECTIVE SOLUTIONS. LASTING RESULTS.

Aerospace & Defense Program Turnaround

REDUCTION IN MRB WT TAGS
GENERATED / SHIPSET BY

80%

We are better than green in defects per 1,000 hours, we have reduced our total defect/withhold tag count by **80%** from 300 to 65.

REDUCTION IN OPEN
NON-CONFORMANCES BY

66%

We have reduced open non-conformances by **66%** by addressing the top three quality issues in our production line.

REDUCTION IN HOURS
BEHIND SCHEDULE BY

24%

We have reduced our cumulative hours behind schedule by **24%** by standardizing our processes and committing less mistakes.

“Over the last year under Dan’s leadership/guidance we have made tremendous strides, our customers perception has turned around, and we are now having positive schedule gains every week.”

Kurt Richardson | President

The client designs, engineers, manufactures, repairs and overhauls a broad portfolio of aviation and industrial components, accessories, subassemblies, systems and aircraft structures. The client partners with original equipment manufacturers (OEMs) and operators of commercial, regional, business and military aircraft worldwide, to provide products and services that solve their hardest problems.

The client participates at all levels of the aerospace supply chain – from single components, to complex systems, to aerospace structures and their contents. The client provides solutions for the entire product life cycle of an aircraft – from raw material to aftermarket service.

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The increased quality problems resulted in the client falling further and further behind schedule and increasingly spending more labor hours to deliver the product.

The defense program's operation was relocated to a new facility. The program had a challenging transition due to:

- Significant portion (approx. 80%) of workforce did not relocate
- New employees had tough learning curve
- Quality defects increased
- Began to fall behind on schedule
- Customer brought additional resources to support

At the end of our engagement with this client, the program was well on its way to returning to being one of the mainstays of the business. Customer confidence had been restored and the team was highly motivated to continue making improvements into the future.

We identified opportunities in the program and used a three-phase approach:

- **Phase 1 – Workplace organization:** We focused on eliminating excessive motion by mechanics due to a disorganized work environment.
- **Phase 2 – Standardization:** We began implementing standard work on key processes where there was risk due to problems in quality, cost, and/or cross training.
- **Phase 3 – Quality Improvement:** In the last phase we focused on specific problems affecting the quality of the finished product.

About Alphanova Consulting

We help manufacturers achieve and sustain operational costs reductions of 20%+, improve on-time delivery to 99%+, and reduce defects to improve product quality to 99%+. These changes help our clients grow company profit margins by up to 25%.

We have developed and used a *proven approach* to ensure businesses achieve and sustain significant performance improvement. Our consultants have over 15 years of experience working with organizations and developing their capabilities.

Our approach is based on the following belief:

Ideal Behaviors + Ideal Processes = Ideal Results

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