

PARADIGM Max Q



ACQUISITION & SUSTAINMENT EXPERTS



SUPPLY CHAIN OPTIMIZATION

PMQ applies advanced analytics, optimization modeling, and simulation to integrate and analyze supply chain data across procurement, logistics, and inventory. We identify inefficiencies, optimize network performance, and enable data-driven decision-making to reduce cost and improve resilience.



DATA ANALYTICS & VISUALIZATION

PMQ designs and implements advanced analytics pipelines and mission-focused visualizations that integrate disparate data sources to support statistically rigorous, decision-quality insights.



MODELING & SIMULATION

PMQ develops verified and validated models and simulations to assess system performance, conduct trade studies, and reduce cost, schedule, and technical risk across the acquisition lifecycle.



RELIABILITY & MAINTAINABILITY

PMQ provides quantitative reliability engineering methods—including failure modeling, statistical life data analysis, and maintainability metrics—to assess system risk, availability, and lifecycle performance.



MAINTENANCE PLANNING

We provide advanced aircraft maintenance planning and sustainment analytics, including Level of Repair Analysis (LORA), diagnostics and health management, degrader analysis, and Reliability Control Board (RCB) application to increase readiness and reduce lifecycle costs.



PROGRAM PLANNING

PMQ delivers end-to-end weapon system program planning and management, including requirements development, funding and production planning, systems engineering, fielding, and sustainment—enabling efficient execution across the full acquisition lifecycle.

IDENTIFIERS

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WHAT MAKES US DIFFERENT?



We bring together top-tier Subject Matter Experts with decades of frontline experience and empower them with a full team of data analysts and engineers leveraging cutting-edge tools. The result is a pragmatic, experience-driven approach, rigorously validated through advanced analytics. We don't just solve today's problems—we deliver solutions that are sustainable, scalable, and built to prevent future challenges.

RESULTS DELIVERED

- Delivered multi-billion-dollar lifecycle cost avoidance through advanced Level of Repair Analysis (LORA) and continuous optimization analysis, significantly enhancing air vehicle supportability and sustainment performance.
- Executed Data-driven performance at mission scale—supporting 1,271 aircraft across 39 bases and 12 ships worldwide, spanning 16 flying services; enabling over 1M+ flight hours and directly supporting 3,290 pilots and 20,000+ maintainers in daily operations.
- Developed data-driven custom applications and led enterprise-level degrader analysis, increasing air vehicle availability and capability while reducing costs and improving organizational efficiency through advanced analytics and modeling.

CORPORATE OFFICE

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LOGEN II

ENTERPRISE LEVEL
LOGISTICS AND
ENGINEERING
TECHNICAL SUPPORT
SERVICES

