GALORATH

U.S. Army – Weapons & Tracked Vehicles (WTV)

Industry

Defense

Products used

Consulting Services

Background

The U.S. Army's Weapons & Tracked Vehicles (WTV) portfolio sustains & modernizes critical ground combat systems including the Paladin Integrated Management (PIM), Stryker, and Family of Medium Tactical Vehicles (FMTV). **To ensure readiness and affordability across these platforms, Army leadership required validated lifecycle cost estimates, robust business case analyses, compliant cost reporting, and predictive analytics to inform modernization decisions.**

The Challenge

Acquisition leaders and analysts faced several obstacles in preparing for milestone reviews and sustaining diverse fleets of tracked and wheeled vehicles. **These included:**

Developing audit-ready lifecycle **cost estimates aligned with program milestones.**

Defending resource allocation decisions through rigorous business case analyses.

Meeting CAPE/DCARC CSDR reporting requirements while reducing audit rework.

Leveraging predictive analytics to improve sustainment planning and cost forecasting.

The Army needed a partner that could combine technical rigor with innovative methods to strengthen cost defensibility and accelerate milestone readiness.

Our Solution

Galorath Federal served as Prime Contractor on the WTV Automated Cost Database (ACDB) and cost research contract, **delivering solutions across multiple areas:**

Lifecycle Cost Estimation: Produced validated T1 cost estimates and production learning curves for tracked and wheeled platforms, consolidated into the 2020 WTV Cost Estimating Bluebook.

Business Case Analysis: Conducted OEM cost structure studies, overhead modeling, and predictive trade-off analysis to support modernization investment decisions.

CSDR Planning & Validation: Normalized and validated more than 2,700 contractor-submitted CSDRs, improving audit acceptance rates and reducing rework.

Predictive Data Analytics: Applied supervised machine learning models to identify cost drivers, forecast sustainment costs, and improve CER predictive accuracy while reducing model development time.

Training & Technical Support: Delivered CSDR planning workshops and predictive modeling training to strengthen long-term analyst capabilities.

The Result

Galorath's support enabled the Army to improve audit readiness, defend investment decisions, and strengthen contract negotiations across the WTV portfolio. Predictive analytics enhanced the accuracy of cost modeling and accelerated sustainment decision-making, while the WTV Cost Estimating Bluebook standardized methodologies across programs, reducing preparation time for milestone reviews.

Ultimately, Galorath delivered validated data, proven methods, and technical training that increased confidence in cost baselines and enabled more affordable, defensible acquisition outcomes

Request a consultation