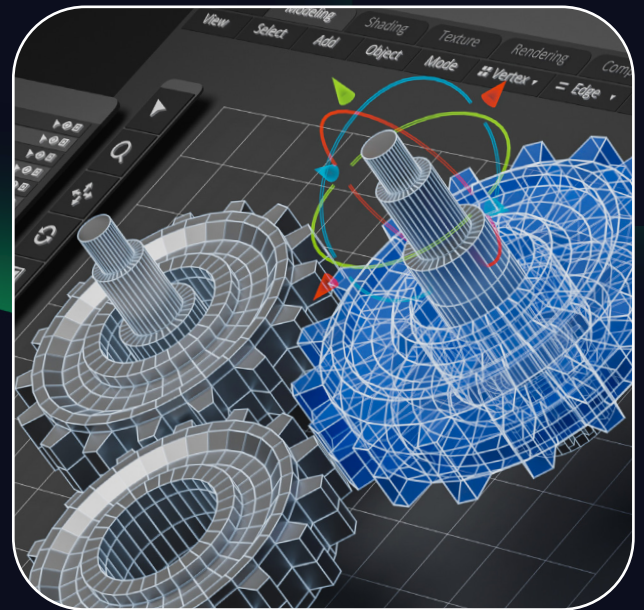




*Automated Technical Data
Package Validation, Analytics
and Readiness Acceleration*



MISSION NEED

Why TDP Validation Must Change -
*Accelerating acquisition while preserving
lifecycle readiness*

Problem Statement

- Programs must move quickly through acquisition milestones while ensuring immature technical data accepted remains usable through production and sustainment.
- Manual TDP validation is slow, inconsistent, and difficult to scale, delaying reviews and allowing latent data quality issues to persist.
- Incomplete or inconsistent data increases downstream risk, cost, and schedule impact after down-select.



TDPWERX CAPABILITY

Automated Validation with Actionable Insight - *From acquisition reviews to
lifecycle continuity*

Core Capability



Automates hundreds of CAD and TDP validation checks aligned to DoW standards and program requirements, scaling across thousands of parts in weeks.



Converts findings into prioritized, milestone-focused insight that enables teams to work the issues, not the data.



Proven on major Army program, with continued use post-CDR as designs mature toward production and sustainment

PROGRAM VALUE

Acquisition Decisions with Enduring Impact - *Reducing risk across the lifecycle*

Outcomes



Compresses validation timelines without adding engineering headcount.



Improves confidence that data accepted during acquisition supports production, sustainment, and future modification.



Reduces rework, reverse engineering, and supplier dependency by improving data quality at acceptance.

DEPLOYMENT APPROACH

Built for government environments

Availability



Deployable in IL-5 and IL-6 environments and compatible with common PLM and CAD ecosystems.



Embeddable within existing program workflows or delivered as a rapid stand-up capability.

Proven Impact from Early Deployments

- ▶ **370x Increase** in validation coverage
- ▶ **50% Faster** review cycles vs. traditional approaches
- ▶ **17,000+ Parts & Assemblies** evaluated in **<30 days**
- ▶ **93 Million Automated Checks** for compliance with MIL-STD-31000 ASME Y14, ISO 10303, and more
- ▶ **Up to \$36M Cost Avoidance** per major review
- ▶ **Reduced Lifecycle Risk** and improved operational readiness

