CORAS®

Speed, Clarity, Action:

CORAS Intelligence

Mission-Ready AI for the DoD

FedRAMP High / IL5 Certified on NIPR/SIPR/JWICS

NAVSEA Strategic Planning & Forecasting (SPF)

Transforming shipyard planning

NAVSEA needed a modern way to manage shipyard workload and workforce forecasts — replacing a 20+ year-old PowerBuilder system that was difficult to maintain and disconnected from real-time data. CORAS delivered a next-generation Strategic Planning & Forecasting (SPF) system that unified resource, schedule, expenditure, and performance data into a secure, IL5-capable environment.

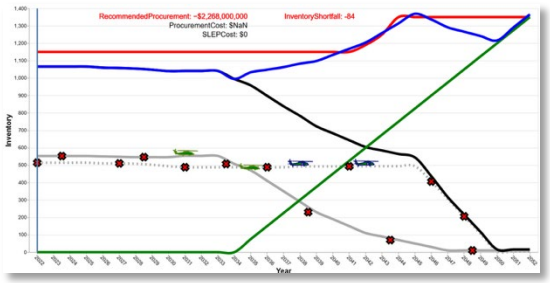
With Gary and CORAS, planners can now:

- Interactively adjust forecasts using live operational data
- Model different resourcing strategies with real-time impact analysis
- Automatically recalculate downstream metrics as scenarios evolve
- Collaborate on plans with versioning, visual change tracking, and embedded commentary

The result: smarter resource allocation, faster scenario testing, and better alignment across Navy shipyards — all in a secure, cloud-ready system built for scale.

Use Case: PMA-299 Aircraft Readiness & Fleet Planning

Smarter sustainment and lifecycle decisions



PMA-299 manages the readiness of Navy helicopters across a globally deployed fleet. Traditional planning tools couldn't keep pace with evolving mission demands, delayed parts, or fluctuating budgets and offered little insight into future availability.

CORAS gives PMA-299 a predictive, mission-aware platform for planning and sustainment. By integrating data from AMSRR, RAMP, and maintenance systems, CORAS enables proactive forecasting and smarter decision-making.

With Gary and CORAS, PMA-299 can:

- Predict future operational readiness across aircraft variants using live and historical data
- Optimize WIP and PMI schedules based on real-world constraints and maintenance demand
- Run what-if scenarios to evaluate impacts of funding cuts, delayed parts, or supply chain disruptions
- Generate brief-ready insights for leadership — faster and with full rationale traceability

The result: increased availability, reduced downtime, and a more agile sustainment operation — built on real data and aligned to mission priorities.

Outcome: Mission-Ready AI for the Department of Defense

CORAS gives teams more than just answers. It delivers a secure, explainable AI environment that helps them plan, decide, and act with confidence. From conversational insights to real-time execution, CORAS turns language into outcomes.

BUILT FOR THE MISSION. POWERED BY AI. READY TO DEPLOY.

Unlike generic LLMs that guess based on static inputs, Gary is embedded directly within the IL5-certified CORAS platform with live access to data, logic, and decision tools. Gary doesn't just summarize — he understands your mission context, pulls real data, and activates real functions.

CORAS LLM (Gary) + Data Layer

Capability	Description
Natural Language Interface (Gary)	Ask plain-English questions about performance, trends, or drivers
Context-Aware Q&A	Understands DoD taxonomy, mission context, and prioritization logic
Persistent Data Storage (Lists & Memory)	CORAS retains and manages mission data internally — no need to re-upload or recontextualize with each session
Structured & Unstructured Ingestion	Analyze data from lists, tables, PDFs, memos, and other formats
API Data Integration	Feed structured data into CORAS for live analysis by Gary
Access to Embedded Agents	Execute select CORAS-native functions through Gary
Auto-Generated Documents & Briefings	Draft summaries, memos, and reports using live mission data
Customizable Prompt Library	Custom prompts aligned to mission roles and patterns
IL5/FedRAMP High Security	All interactions remain within CORAS's compliant, secure boundary
Scoped Session Memory	Retains context across user sessions (secure and user-specific)

CORAS LLM + Decision Intelligence Platform

Everything above plus advanced decision tooling

Capability	Description
Full AI Agent Ecosystem	Execute complex functions across data, modeling, reporting, and automation
What-If Scenario Modeling	Simulate tradeoffs in funding, readiness, or performance outcomes
Workflow Automation	Trigger downstream actions based on decision logic
Advanced AI Engines (ML, NLP, Similarity, Predictive)	Classify, compare, and forecast using trained models and mission-aligned logic
Predictive/Prescriptive Analytics	Recommend optimized paths, simulate outcomes, and mitigate risk
SmartBoard Execution Layer	Drive updates, decisions, and collaboration in a live visual workspace
Automated Driver Trees	Visualize and reason over interconnected performance metrics, dependencies, and outcomes
Interactive & Actionable Data Layer	Edit values, version decisions, trigger follow-ups — all in real time, within CORAS