

YTS - OPS COMMAND

Capabilities Brief — AI Operations Intelligence for Energy & Industrial Operators

ILA BRANDT DELANY

Solutions Architect · PSM Professional

brandt.delany@gmail.com · 346.589.9888

BrotherILA.com ·
linkedin.com/in/ila-brandt-delany-a43a613

THE PREMISE

Energy and industrial operators run on enterprise systems that were never designed to surface what matters in real time. **YTS Ops Command** is an AI-driven operations intelligence layer that sits across facilities, supply chain, and maintenance data — converting EMIS, historian, and MOC signals into a single, executive-grade view of enterprise health.

OPERATING THESIS

The next decade of process safety, reliability, and throughput gains will not come from more dashboards. They will come from **AI continuity across systems** — predictive, explainable, and accountable to the same 29 CFR 1910 discipline that governs the plants themselves.

20+ YRS

Enterprise systems in energy & petrochem

13/13

PSM elements audited (29 CFR 1910)

6 COUNTRIES

Multi-site rollouts
US · CA · KSA · RU · CO · WA

C-SUITE

Direct delivery to plant managers & executives

WHAT THE PLATFORM DELIVERS

Enterprise Health, Live

A single composite score across facilities, with drill-down to the asset, the alert, and the underlying historian trend. Refresh cadence is sub-minute; the operator sees the system thinking.

Predictive Downtime Risk

14-day probability bands per facility, derived from anomaly detection on process and mechanical-integrity signals — the same data class used in PHA (HAZOP / What-If / SIL-LOPA) reviews.

AI Operational Intelligence Feed

Severity-tagged alerts with confidence scores, routed by category to the correct workflow tab — predictive and anomaly alerts to Maintenance, logistics and weather to Supply Chain.

Throughput & Logistics Forecast

30-day throughput projections with weather-impact overlays for planners and commercial teams. Built to integrate with SAP, Oracle, and PI Historian.

FOUNDATION — WHY THIS, WHY NOW

YTS Ops Command is built on two decades of enterprise EHS, EMIS, and Management of Change implementation across world-class operators — refining, olefins, HDPE, upstream, and pipelines. The platform applies that operating discipline to a new generation of AI infrastructure.

PROCESS SAFETY DISCIPLINE Full 29 CFR 1910 PSM coverage — PHA facilitation (HAZOP, What-If, SIL-LOPA), MOC policy and system design, PSI assessment, compliance auditing, and incident investigation across refineries, petrochemical complexes, and pipelines.

ENTERPRISE SYSTEMS ARCHITECTURE

Solutions architecture for EMIS and MOC platforms integrated with SAP, Oracle, PI Historian, SAP Portals, and webMethods. KPI and dashboard development sourced directly from historian and consent-decree data streams.

AI CONTINUITY & RELIABILITY

Cross-AI continuity protocol design (MasterSeed Framework) — JSON-based synchronization across ChatGPT, Claude, and Gemini for mobile-first reliability. The same continuity model underpins the alert and audit trail in Ops Command.

DELIVERY TRACK RECORD

Multi-site, multi-country rollouts on scope, schedule, and budget — including BP, Chevron, BHP Billiton, Marathon, Cargill, Champion Technologies, Williams, Nalco, Chevron Phillips, and Sunoco. Direct executive and plant-manager reporting.

ENGAGEMENT MODEL

- **Discovery** — facility walk, system inventory, signal mapping (2 weeks).
- **Pilot** — single-site instance with live historian + MOC connectors (6 weeks).
- **Rollout** — multi-site federation, role-based dashboards, executive briefings.
- **Integrations** — SAP, Oracle, PI Historian, EMIS, MOC, ticketing.
- **Compliance** — audit trail aligned to 29 CFR 1910 documentation expectations.
- **Support** — ongoing tuning, KPI evolution, and quarterly executive readouts.

NEXT STEP

Request a 30-minute walkthrough of the live demo at mobops.lovable.app. Bring one facility's historian extract and one open MOC; we'll show you the score, the alert, and the audit trail in the same screen.

Contact: **Ila Brandt DeLany** · brandt.delany@gmail.com · 346.589.9888 (text preferred — ADA accommodation)