



TRINITY NUCLEAR • TRINITY SENTINEL

OVERVIEW

Project controls that read your P6 exactly, tell you what is wrong, draft the fix — and never touch your database.



Complements P6

reads XER, PMXML,
MSPDI and CSV

Runs offline

no egress,
enforced in code

AI assistant

answers from the engine,
drafts for the gate

Nothing executes

every change is a
proposal at the gate

The assembly is what costs you three days.

Your schedulers already produce good analysis. What costs them is the assembly — DCMA checks from one spreadsheet, earned value from another, three days of work into a report that is stale the day it is issued. Sentinel does that assembly continuously, inside your boundary, and stops before it can change anything.

100%

P6 date agreement — 706 of 706 finishes in the library, 37 of 37 on a real site export

2,024k

activities across 1,000 schedules, rolled up

25–55_{ms}

to assemble the roll-up page

Zero

outbound network calls. No cloud, no API, no telemetry

WHAT IT DOES

Reads what P6 already gives you

Point it at a folder. P6 XER, P6 PMXML, Microsoft Project MSPDI and CSV, all through one engine. No connection to your P6 database — none is needed, and none exists.

Reproduces your dates, and proves it on screen

A calendar-aware critical path runs every activity on its own P6 calendar, forward from the schedule's data date and backward from its mandatory finish, then compares the answer against what P6 stored and shows the agreement as a live percentage.

Tells you what is wrong — and what drives the finish

DCMA 14-point, failures first, each offender one click from the grid; EIA-748 earned value, Monte Carlo risk, variance narratives, baselines — every finish measured at the end milestone, with the work driving it.

Drafts the fix — and then stops

“Shorten PU-150 by five days” — typed, or said to the assistant — becomes a validated proposal with an impact preview. It is not applied. It waits at an approval gate, where the person who proposed it cannot approve it, and the refusal is written permanently to the record.

Hands you a file, not a connection

Approved changes become a scoped import workbook containing only the approved fields, for P6's own Import Wizard. Sentinel holds no credentials and cannot alter your system of record.

Produces the deliverable — and the proof

A DOE-format project report — a cover that tells the story, what changed and why, VARs with a lifecycle, a reconciled budget log, slip, baselines, risk — as HTML, PDF or Word, each period sealable into one evidence package. For the program manager, a **Program Review**: one row per project, attention first.

ONE SCHEDULE, ANSWERED IN ONE SCREEN



The screenshot shows the Sentinel software interface. On the left is a sidebar with the Sentinel logo and a project selection menu. The main area displays project data. At the top, there's a 'Back' button. Below it, a section titled 'END MILESTONE' shows 'PU-210 Operational readiness review: forecast 2027-03-16 · +19d vs baseline · +15d to the commitment date · driven now by PU-130 Install glovebox line. The P60 date 2027-04-05 is past the commitment date 2027-03-31.' To the right of this is a 'Milestones →' button. Below that, a section titled 'CRITICAL DECISIONS' shows 'CD-0 approved 2026-09-30; next is CD-1 (Approve Alternative Selection and Cost Range) — 4 of 11 deliverables done, 7 to go.' To the right of this is a 'Profile & Gates →' button.

The end milestone and what drives it; the next Critical Decision; the forecast statused at the data date.

Most tools answer the AI question with policy. Sentinel answers it with architecture.

No egress, enforced in code

Every outbound call in the codebase is bound to loopback, and the model adapter raises an error on any non-local address. There is no configuration flag that permits otherwise.

The model runs on your machine

No prompt, no schedule content and no computed figure crosses the boundary, because no path across it exists. Run it with the model off and every page, calculation and deliverable is identical.

The assistant may phrase, never calculate

Every figure in a model-written sentence is checked against the computed data; anything invented is discarded and logged. Nor may it claim work it did not do.

A supply chain a reviewer can read in an afternoon

Three runtime libraries — Flask, openpyxl, python-docx — plus pywebview for the desktop window. Every shipped file is listed with its checksum.

WHERE IT FITS

P6 stays the system of record

Sentinel sits beside it and does the work P6 leaves to a person: reading the whole estate, checking it, explaining it, drafting the change — then stopping so a scheduler can decide.

Deployment is a folder — or a service

A single Windows workstation with its own bundled runtime, or a Linux server behind your site's own authenticating front end, serving a team from one shared store with each person's workspace their own. No cloud tenancy, no external service, no account. On a network that never reaches the internet it behaves identically.

P6 DATE AGREEMENT, MEASURED ON EVERY READ

THE CLAIM EVERYTHING ELSE RESTS ON

Computed against stored, activity by activity — on screen, on every read. **706 of 706** comparable finishes across the validation library reproduce P6 exactly, with 5×8, 4×10 and 9/80 calendars resolving independently inside one file. And against the real thing: a genuine P6 site export, validated on the machine that holds it — only aggregate metrics ever leave — scored **37 of 37**. A tool that disagrees with P6 about a date is not usable at a DOE site, so agreement is measured every time, not asserted once.

WHAT CHANGED SINCE THE LAST EDITION

BUILD WHAT IT ADDED

- v4.62–5.03** One server for a team; the monthly update; sealed evidence; the program pages; the record a surveillance reads; the report restyled; demo estate and projects; licence on every file.
- v5.04–5.12** The assistant as a colleague: what to worry about, a note for your manager, changes drafted in conversation, a new schedule routed to an approver — her figures checked against the dashboard on every build.
- v5.13–5.22** Profiles and DOE O 413.3C gates; the EIA-748-E evidence map; the end milestone; EVMS Controls (WADs, RAM, WBS dictionary, period close) — certifiable, not certified; the assistant enters status, VARs and budget for a person to confirm.

What you would notice first.

The monthly report becomes an action rather than an exercise.

Schedule health is a live number, not a monthly opinion — and the forecast is statused at a date you can see and confirm.

Every change to a schedule has a name, a reason, a decision and a time attached to it — permanently, and in a form that can be shown to an auditor. So does every variance, every budget movement and every account that holds authority.

Nothing leaves the site.

WORTH A CONVERSATION

Many multi-project sites maintain a “schedule of schedules” by hand. Sentinel rolls every schedule onto one timeline, builds the summary project from the sources rather than re-typing it, and computes the **driving path across projects** from links a person has declared — and over those links sit the program pages: the Program Review, the Program Gantt, resource overlap by month and the funding profile by fiscal year, every figure stating its coverage. What it does not do is guess: it never infers a link between two nuclear schedules, and the import of a combined schedule back into P6 waits on the write-side test. If the master schedule is the problem you are trying to solve, it is worth a direct conversation rather than a data sheet.

WHAT SENTINEL READS, AND WHAT IT WRITES

READS

Primavera P6 · XER

Primavera P6 · PMXML

Microsoft Project · MSPDI

CSV · Primavera P6 · XER

WRITES

A scoped P6 import file

A DOE-format project report

A program review pack and workbook

A Primavera P6 import file



Trinity Nuclear Management Group, Inc.

Project controls for DOE and defense nuclear work — Primavera P6, EVMS, DCMA schedule assurance and risk.

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REGISTRATION

UEI JXLHYSWM1AR9
CAGE 22FY1 · SAM.gov Active
NAICS 541330 (primary)

CLEARANCE & BUILD

DOE Q cleared
Trinity Sentinel v5.25