

## OpsPilot

# Project Execution Plan — User Manual

Integrated Project Delivery · PMI PMBOK 7 / ISO 21502 · AI Engineering Co-Pilot



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**What this guide covers** — what a Project Execution Plan is, how the OpsPilot module builds an integrated one, what to have ready, and the document you receive.

## 1. What is a Project Execution Plan?

A Project Execution Plan (PEP) is the HOW of project delivery — the single coherent document that integrates every management discipline (governance, scope, schedule, cost, risk, HSE, quality, procurement, contracting, communications, resources and more) into one plan that hangs together. The hard part isn't writing each discipline; it's making them coherent. Most large-project failures trace not to a single bad plan but to integration gaps between plans — a governance structure that doesn't match the contracting model, an HSE system fragmented across a consortium, interfaces between contracts that nobody owns.

OpsPilot builds it to *PMI PMBOK 7 and ISO 21502*, integrating fourteen management disciplines and validating cross-discipline coherence — anchored in the lessons of projects like Berlin Brandenburg (three-authority governance) and the Big Dig (multi-contract interface chaos).

## 2. What the OpsPilot module does

Role	Responsibility
🎯 <b>AI Coach — Senior Project Director (OpsPilot)</b>	Structures each of the fourteen management disciplines and — critically — validates cross-discipline coherence, catching the integration gaps between plans that sink large projects.
👤 <b>Project Manager / Director / Discipline Leads (you)</b>	Provide the execution context — governance, schedule, contracting choices, HSE controls, risk treatments, resource constraints — and validate the integration and own the commitments.

## 3. What you will be asked — have this ready

- The project description, objectives and governance structure.
- The schedule basis, the contracting and procurement strategy.
- The HSE controls, the risk treatments and the quality approach.
- The resource and organisation picture.

## 4. What you receive — the output

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A complete Project Execution Plan (Word): an integrated, multi-section plan across the fourteen management disciplines with cross-discipline coherence checked — ready for Steering Committee endorsement and FID.

## 5. Worked example (illustrative)

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A project chooses a multi-contract delivery model — several contractors, each on a separate package. Each discipline plan can look fine in isolation, but the PEP's job is to expose the interface: who owns the boundary between the civil contractor's slab and the mechanical contractor's equipment? If the governance plan, the contracting plan and the schedule don't agree on who manages that interface and when it's handed over, that gap is exactly where the Big Dig lost control. OpsPilot surfaces the question and forces it to be answered in the plan — so the integration is designed in, not discovered on site when two contractors point at each other.

## 6. Getting the best result

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- **Integrate, don't just collate.** Fourteen good standalone plans that don't agree is a failure waiting to happen.
- **Own every interface.** The boundaries between contracts and disciplines are where projects lose control.
- **Match governance to contracting.** A governance model that doesn't fit the delivery model creates confusion under pressure.
- **Engage discipline leads.** The PEP is only real if the people who own each discipline validate it.

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