Archai Risk
BY ARCHAI

FOR CAPITAL PROJECTS

CAPITAL PROJECTS · END-TO-END RISK MANAGEMENT

From context to execution. One environment.

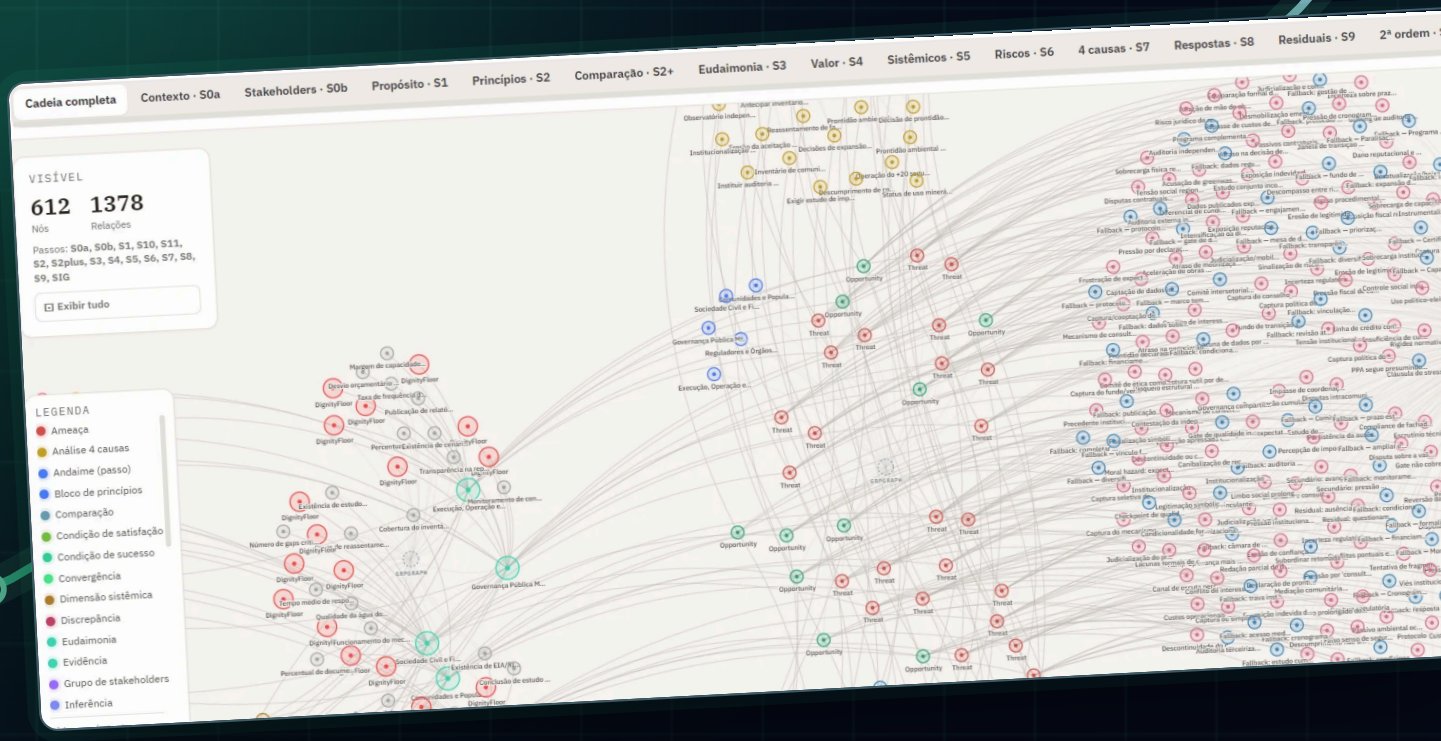
Know how much the project may cost and slip before committing capital. Defend the reserve before the board and the lender. Spot the deviation while there is still time to act.

- A reserve the size of the risk
- Fewer cost and schedule surprises
- A number that stands up to audit
- Deviation seen before the change order

Before approval
know the likely cost and schedule

At contracting
set aside what the risk calls for

During construction
see the deviation in time to act



INTEGRATION · EVERYTHING IN ONE ENVIRONMENT

What takes five tools today, here takes just one.

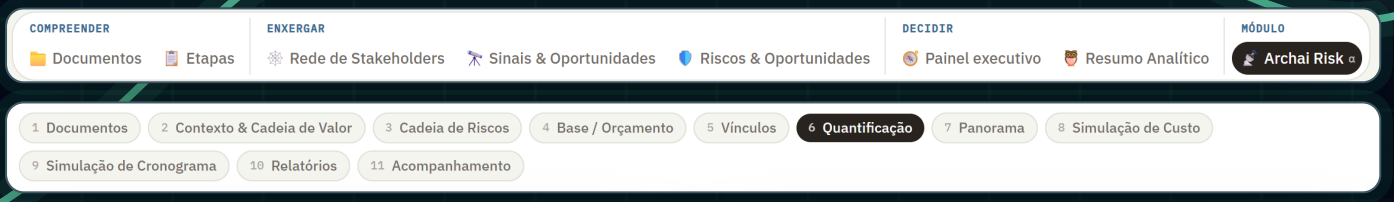
TODAY · COSTLY AND FRAGILE

- ~~Risk spreadsheet~~
- ~~Separate Monte Carlo simulator~~
- ~~Decision minutes lost in e-mail~~
- ~~Budget and schedule re-pasted by hand~~
- ~~Manual status report, no trail~~

ARCHAI RISK · WHAT YOU GAIN

- A single version of cost, schedule and risk
- When an assumption changes, the number updates
- Fewer team hours reconciling files
- A record ready for audit and lenders
- Site deviations show up in the risk portfolio

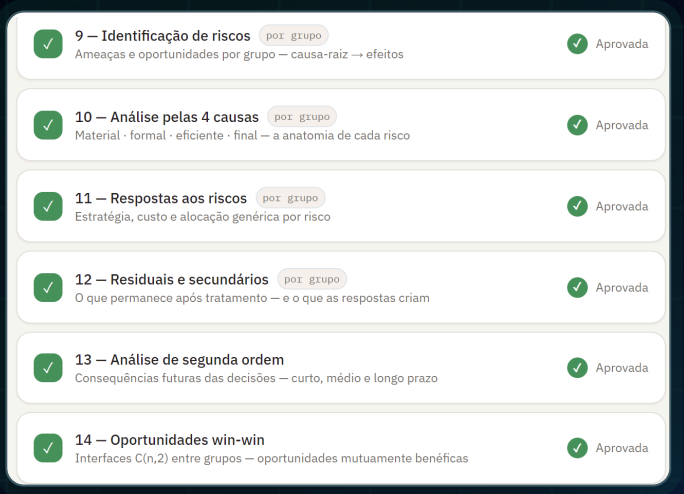
ONE MENU. ELEVEN STATIONS. ONE GRAPH.



Understand → See → Decide → Archai Risk module · stations 1 to 11 on the same screen



14 steps, one chain: 7 for the decision (Archai Pro) + 7 for risk (Archai Risk)



Risk spine: systemic · identification · 4 causes · responses · residual · 2nd order · win-win

THE IMPACT ON CASH

Cost overruns usually start with an assumption that changed and nobody carried into the budget. Here each risk is linked to the budget line, the schedule activity and the decision it came from. Change one, and the reserve is recalculated.

FIRST PRINCIPLES

Your project's risks, not a ready-made list

The method starts from the project's purpose and from what each stakeholder cannot afford to lose. Many of the risks are derived from there, and the reserve comes from your project, not from an inherited percentage.

SYSTEMIC RISKS

What acts on the whole project

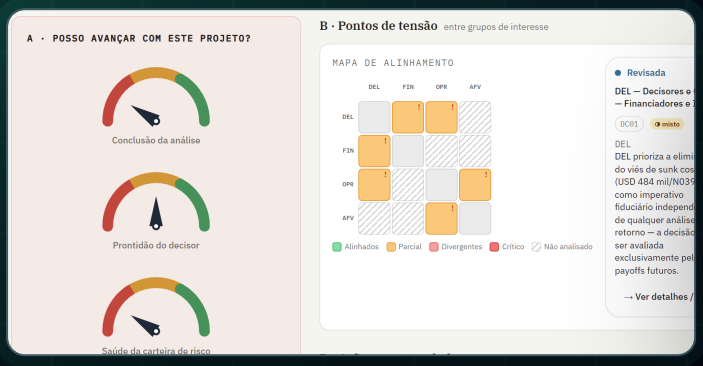
AACE (RP 42R-08) treats systemic risks as one of the biggest drivers of cost and schedule overruns. An ordinary risk matrix does not capture them. Archai Risk assesses them separately.

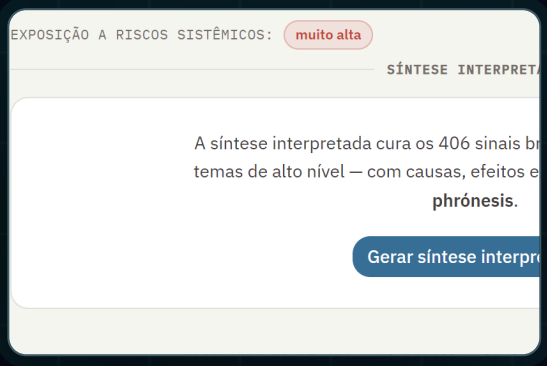
FROM STUDY TO CONSTRUCTION · THE GAIN AT EACH PHASE

Each phase returns a business answer.

01 Understand

gain: capital committed only once the decision is aligned





Can I move forward with this project? · where the parties diverge · what can go wrong and what can go right

02 Quantify

gain: a reserve the size of the risk, neither fat nor thin



How much to reserve?
COST AND SCHEDULE AT 80% CONFIDENCE

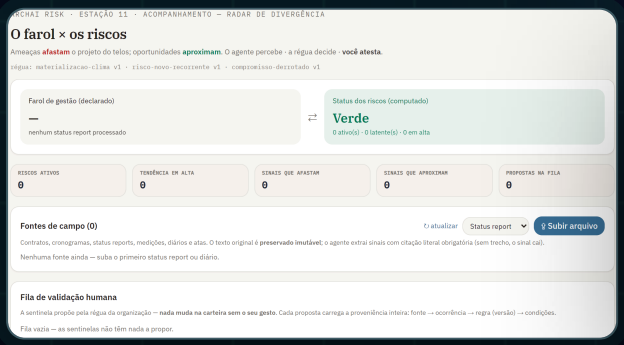
Response worth it?
COST × BENEFIT OF EACH ACTION

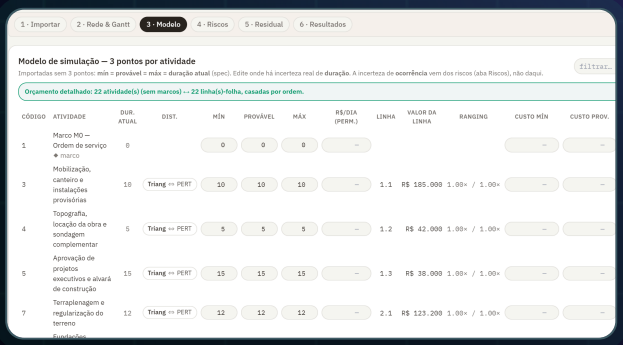
Will the schedule hold?
SCHEDULE SIMULATED WITH THE RISKS

Starts from your approved budget · shows the reserve calculation line by line, ready to defend

03 Monitor during execution

gain: deviation handled within the week, not in the change order





Site reports and measurements become signals · the risk portfolio follows execution · you approve every change

TRUST · A NUMBER THAT HOLDS UP

AI reasons. You decide. The trail stays.

A number is only worth something if you can defend it. Here every value shows where it came from and who approved it, ready for the investment committee, the audit and the lender.

HERMES

Answers in minutes, not in meetings

Ask the copilot about any point of the project. It answers with the source and separates fact from hypothesis.

AUDIT

From document to number, with no gaps

Every value leads to the source, the excerpt and who approved it. Less time and less cost to answer questions.

DECISION SHEET

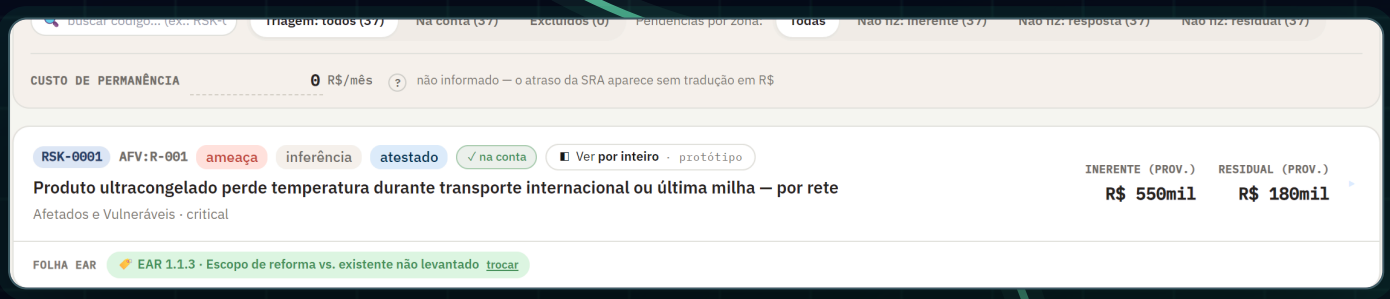
The board decides on one page

Verdict, risks, reserve and conditions in a single report, exportable to Word and Excel.

TEAM

Everyone on the same number

Engineering, finance and the board work on the same base, with defined roles and a record of who changed what.



Each risk shows the value before and after the response, whether it is fact or hypothesis, and whether you have approved it

NEXT STEP

Book a diagnosis in 30 minutes

In 30 minutes you find out how much of your contingency is defensible. Pick the time at **archai.pro**. The meeting is by video, in Portuguese or English.

- Available in Portuguese, English, Spanish and French
- 3-week pilot on a real project
- Integrated with Archai Pro

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GP Líder Ltda.
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