EXPERT PRO
EXPERTOS EN PROYECTOS

PRODUCT PREVIEW · GUIDED TOUR

Solar Investment Committee Dashboard

Validate up to twelve financed runs, test them against four hurdles and print a committee card that cannot disagree with the analysis.

Up to 12 runs | 4 hurdles | 10 checks | No macros



Illustrative demonstration data from the worked example. Not investment advice. 10 pages.

S5 · COMPARISON DASHBOARD

S5 is a record of decisions, not another model

It compares financings of one plant, and it refuses — deliberately — the three things committees most often ask a comparison sheet to do.

- **It holds twelve runs.** Each column is a complete S4 solution: converged frozen quantities, green master light, sealed export.
- **It never edits a run.** Pasted values stay exactly as S4 exported them, so the sheet is a record rather than a model.
- **It refuses portfolios.** No capital allocation across the board; for a portfolio view, run one S5 per asset and carry the winners forward.

- **It refuses scores.** Hurdles gate, IRR ranks, the committee judges; composite scores hide the trade-offs this template exists to expose.
- **It refuses mixed currencies.** CHK-S5-04 enforces single-currency comparison; the report currency must match the pasted runs.
- **It warns on other plants.** Two sites compare mechanically, but CHK-S5-06's same-plant warning goes amber by design.

S5 · COMPARISON DASHBOARD

A run set answers the three standing questions

What do we expect, what breaks it, and what would we rather own — answered with real re-runs, not table lookups.

The base case

Run 01 is the factual base and never a stress; it anchors the tornado and the minutes.

The downside battery

The ADB list is canonical: capital cost +10%, tariff moves, P50 output −10%, O&M +10%, a one-year delay (ADB, 2019).

A structural alternative

Bring one even when you expect it to fail — a priced rejection beats an unpriced opinion.

Real runs, not deltas

Each variant is re-run in S4 and re-converged, so every column carries its own re-sized debt.

What makes runs comparable

The CapEx +10% run books debt at exactly 0.70 × the higher capex — $33,568,529 — because the gearing cap still binds.

Name them for the minutes

'S4 — PPA −10%' survives a year in an agenda; 'v7_final_REAL' does not.

S5 · COMPARISON DASHBOARD

Four hurdles and one currency rule the whole board

The demo sets 10% IRR, 1.20x P90 DSCR, $0 NPV and 15 years payback in USD; hurdles are ordinary inputs, so policy changes get dated.

Field	What you enter	Demo	Guidance
Minimum equity IRR	Post-tax, on the dated ledger	10%	Anchor to market cost of equity; ADB priced 12% for frontier risk (ADB, 2019)
Minimum DSCR (P90)	Floor for levered runs; n/a passes unlevered	1.20x	Lock-up level, not sizing level — sizing already ran at 1.30x in S4
Minimum equity NPV	At S4's reporting rate	$0	A zero floor keeps IRR-vs-scale honest
Maximum payback	Years post-COD	15	Discipline against back-loaded cases
Report currency	Must match the pasted runs	USD	CHK-S5-04 enforces single-currency comparison

S5 · COMPARISON DASHBOARD

Structure moves returns harder than price or cost

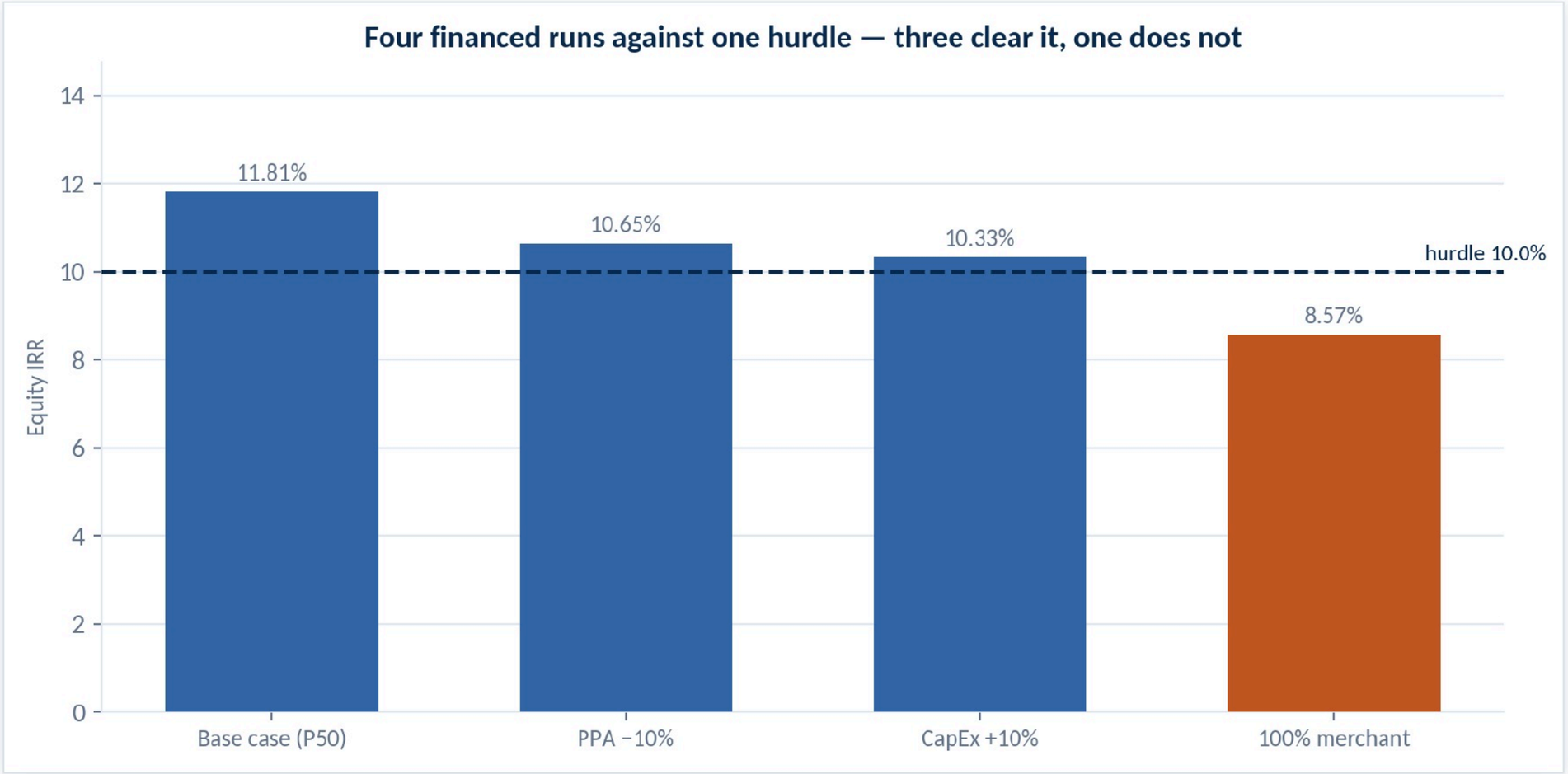
The tornado plots each run's equity IRR minus the base run's, and in the demo contracted share dominates both price and capital cost.

- **PPA −10%.** Costs 116 basis points against the base run.
- **CapEx +10%.** Costs 148 basis points, even with debt re-sized up under the binding gearing cap.
- **Full merchant.** Costs 323 basis points — structure, not price, is the negotiation.
- **The reading.** Bars answer which lever moves us most per unit of plausible move, not how likely anything is.
- **Keep deltas comparable.** Never let a 10% move on one axis and a 30% move on another masquerade as probability; label them loudly.
- **Hold the base still.** Run 01 anchors the tornado; never overwrite it mid-meeting or the deltas stop meaning anything.

S5 · COMPARISON DASHBOARD

Four financed runs, one hurdle, one recommendation

The dashboard does not invent a case. It compares cases that were financed properly and says which ones clear the committee's own bar.



The demo run set: base, PPA −10%, CapEx +10% and 100% merchant, against a 10% IRR hurdle.

S5 · COMPARISON DASHBOARD

Three runs clear policy and the base case wins

Fifteen metrics by twelve runs, blank where a run is absent or excluded, n/a where a ratio has no meaning.

INVEST

Committee verdict

demo run set

11.81%

Base equity IRR

rank 1, the recommended run

1.30x

Min DSCR (P90)

flat across every levered run

1.42x

LLCR

on the loan's eleven-year life

3 of 4

Runs clearing all hurdles

merchant fails IRR and NPV

8.57%

Full-merchant IRR

structure risk, priced not asserted

Ten checks make the board self-authenticating

chk_all at Checks!D16 rolls up CHK-S5-01 to CHK-S5-10 — eight ERROR and two WARNING — with wording generated from the delivered workbook.

- **CHK-S5-01.** At least one run is ACTIVE (present + included + valid).
- **CHK-S5-02.** Every included run is a valid S4 export — no gate failures among included.
- **CHK-S5-04.** Single currency across active runs; all match Run 01.
- **CHK-S5-06.** WARNING — same plant across active runs: site_id, site_name and MWp all match Run 01.
- **CHK-S5-08.** WARNING — at least one run clears every hurdle, so the committee has an investable option.
- **CHK-S5-10.** Winner consistency: the recommended run passes all hurdles.

WHAT YOU RECEIVE

What is in the download

Format: Excel + PDF.

XLSX	The S5 dashboard workbook
GUIDE	The S5 user manual and a Committee Quick Start
SPEC	A run-import specification and a sample run export
DEMO	A pre-loaded demonstration board with four scenarios

Before you buy

- Desktop Excel 2019 or Microsoft 365.
- A companion decision tool, not a financial model: it does not calculate energy, CapEx, debt or cash flow.
- Designed for runs produced by a compatible utility-scale solar project finance model.
- For the complete chain, compare the five-model suite.

Every workbook opens on the complete worked example, so you can follow the finished answer before entering your own data.

WHO BUILT IT

Built by the ExpertPro team

ExpertPro builds the financial and decision infrastructure behind capital projects, at the intersection of project finance, engineering economics and data.

7	100+	15+	50+
senior specialists	years of combined experience	professional certifications	delivered projects

The team

- Project finance and public-private partnerships, PMP® and APMG CP3P® certified
- Data architecture and data science, led by a mathematician
- Process automation and governance, with more than twenty years in banking
- Information security and compliance: ISO/IEC 27001 Lead Auditor and CEH
- Enterprise systems integration and machine-learning engineering

Every model

- Built to the FAST Standard 02c: Flexible, Appropriate, Structured, Transparent
- No macros and no hidden logic; one formula per calculation row
- A documented source and status behind every input
- A checks panel that must read green before results leave the workbook
- A complete user manual and a worked demonstration case

Master's degrees in industrial engineering, information technology and business, a degree in mathematics, and programmes from MIT (applied AI) and HarvardX (data science). Delivery in five Latin American countries, across energy and utilities, transport, logistics, agroindustry and healthcare.