

CONSULTING · ENERGY AND MINING

An AI-first process architecture workbench with a global consultancy

Consultants map how work really runs before redesigning it for AI. Wexa built a workbench on Wexa that turns client documents and workshops into a governed process graph and an AI-first target design.

30

functional requirements specified and built

12

typed entities in the process ontology

L0–L4

process hierarchy, two-pass extraction

6–8 wks

deployment requested for a live client engagement

CLIENT

Global management consultancy, for an energy and mining client

REGION

Global / Australia

WHEN

2026

ENGAGEMENT

Partner build

WEXA COMPONENTS

Wexa · automatic ontology discovery · context graph · Processbench

The challenge

- Process mapping is workshop-driven, slow and goes stale
- Discovery tools stop at the as-is and do not hand over to an agent design
- Consulting work needs provenance, review and approval at every step

What Wexa built

- ✓ Multi-format ingestion (documents, decks, spreadsheets, transcripts, OCR) with source provenance
- ✓ A 12-entity process ontology and LO–L4 hierarchy extracted in two passes
- ✓ Friction-pattern detection: rework, wait time, duplicate entry
- ✓ AI-first target process: generated, constrained, then human-approved versions
- ✓ Object-level review, versioning and RBAC; agents may suggest but never approve; hash-chained audit
- ✓ Dedicated partner environment, white-labelled as Processbench

How it runs on Wexa

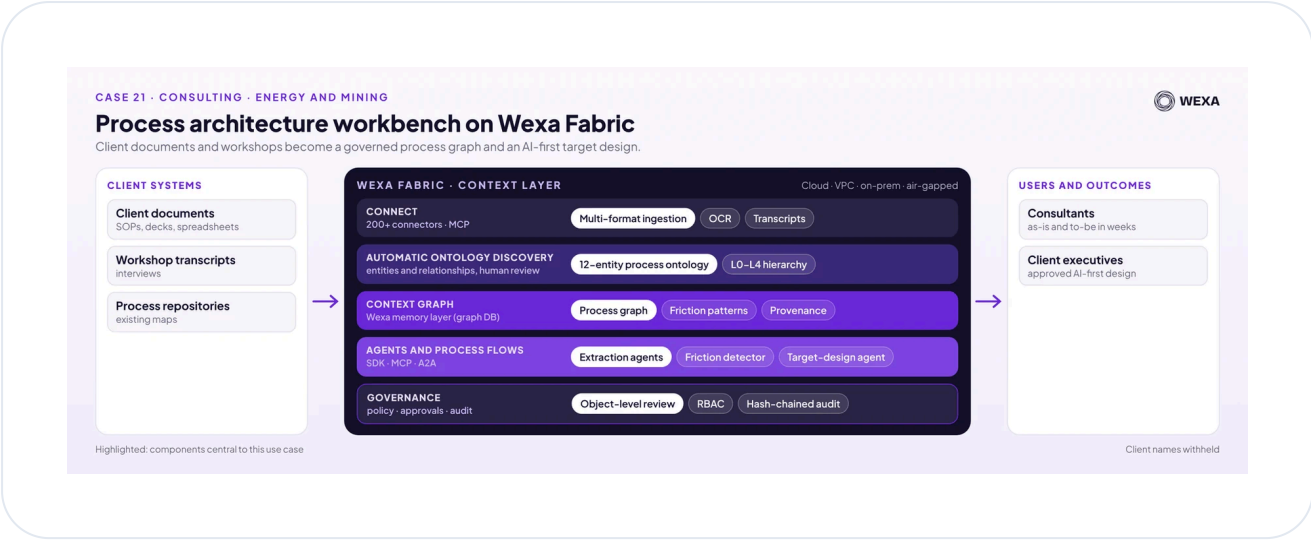


FIGURE How this use case runs on Wexa: client systems connected, ontology discovered, context graph in the Wexa memory layer, agents and process flows, and governance. Highlighted components are central to this use case.

Solution architecture

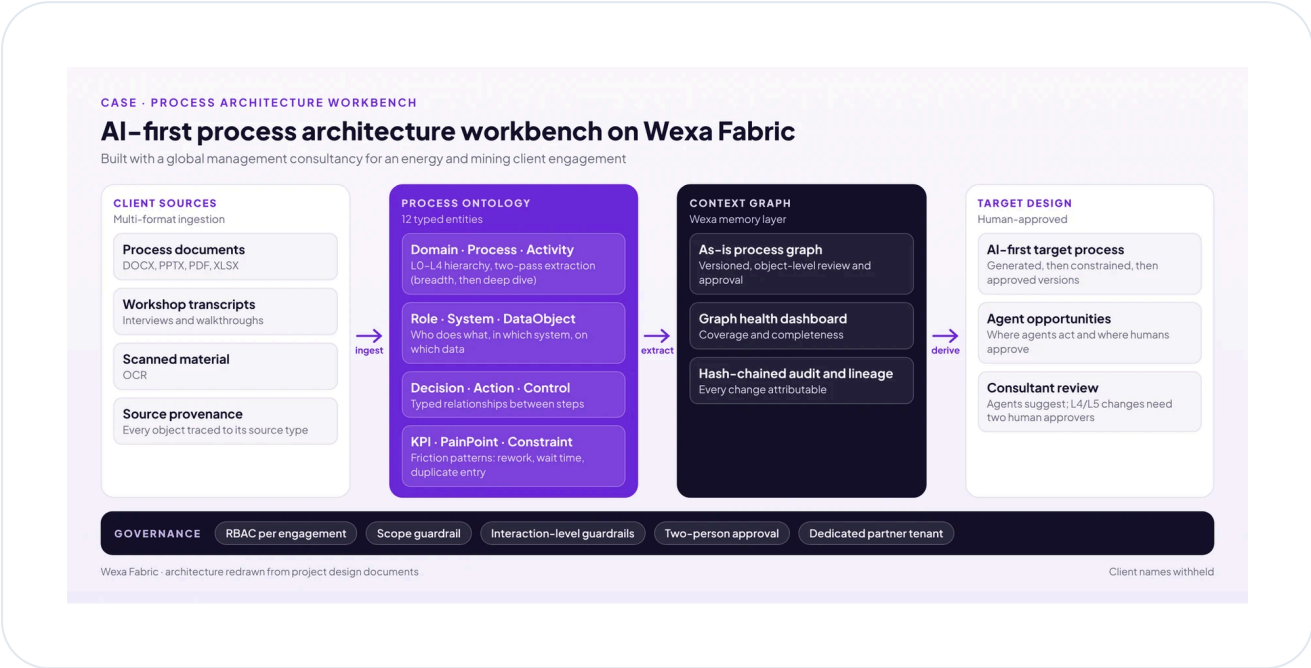


FIGURE Workbench architecture on Wexa (redrawn from the project specification).

Results

MEASURE	BEFORE / WITHOUT WEXA	WITH WEXA
Process discovery effort per client engagement	12 weeks, 4 consultants	4 weeks, 2 consultants
Annual cost of the process	\$480K	\$80K
Time to implement the AI solution	6 months	6 weeks
AI build cost (one-time)	\$480K	\$44K
AI operating cost per year (models, infrastructure, upkeep, platform)	\$312K	\$166K
Total AI cost in year 1	\$792K	\$210K

WITH WEXA

\$234K

net annual value to the client after Wexa's own operating cost

4×

faster to implement

47%

lower AI operating cost

\$582K

less AI spend in year 1

- ✓ The consultancy named Wexa as a technology partner and included it in a mining-sector client proposal (August 2026)

- ✓ The consultancy asked for commercials to deploy the workbench at its client for a **6–8 week** engagement; management reports the client converted
- ✓ The same build became Processbench, Wexa's process digital-twin application on Wexa

Initial proof of concept delivered without fees; deployments are priced as license, support and operations.
