

AUTOMOTIVE

Engineering decision cockpit for a global Tier-1 automotive supplier

Engineers spend their time gathering data from PLM, ERP and supplier portals instead of engineering. Wexa designed a cockpit with three governed agents for change impact, product carbon footprint and parts reuse, on one context graph.

€3–6M

annual value, one pilot division, year 1 (estimate)

17 → 9–10

days per engineering change (target)

≤ 1 day

per product carbon footprint vs 2–6 weeks (target)

–20%

new part numbers (target)

CLIENT

Global Tier-1 automotive supplier

REGION

Europe

WHEN

2026

ENGAGEMENT

Solution design

WEXA COMPONENTS

Wexa · PLM, ERP and supply-network connectors · 3 governed agents · approvals · audit

The challenge

- Engineering changes consume a third to a half of engineering capacity
- Product carbon footprints take weeks and are now required by customers
- Duplicate parts across PLM systems and ERP

What Wexa built

- ✓ Change-impact agent: traces assemblies, plants, stock and orders; checks engineering vs manufacturing BOM; prices the change; drafts the change-board brief
- ✓ Carbon-footprint agent: maps the BOM to emission factors per the industry rulebook; hotspots and lower-CO₂ options; sign-off by the footprint lead
- ✓ Parts-reuse agent: finds look-alikes across PLM and ERP and ranks duplicates by spend and stock
- ✓ Starts read-only; approval and audit on every write; EU cloud or on-premise; 12-month gated programme

How it runs on Wexa

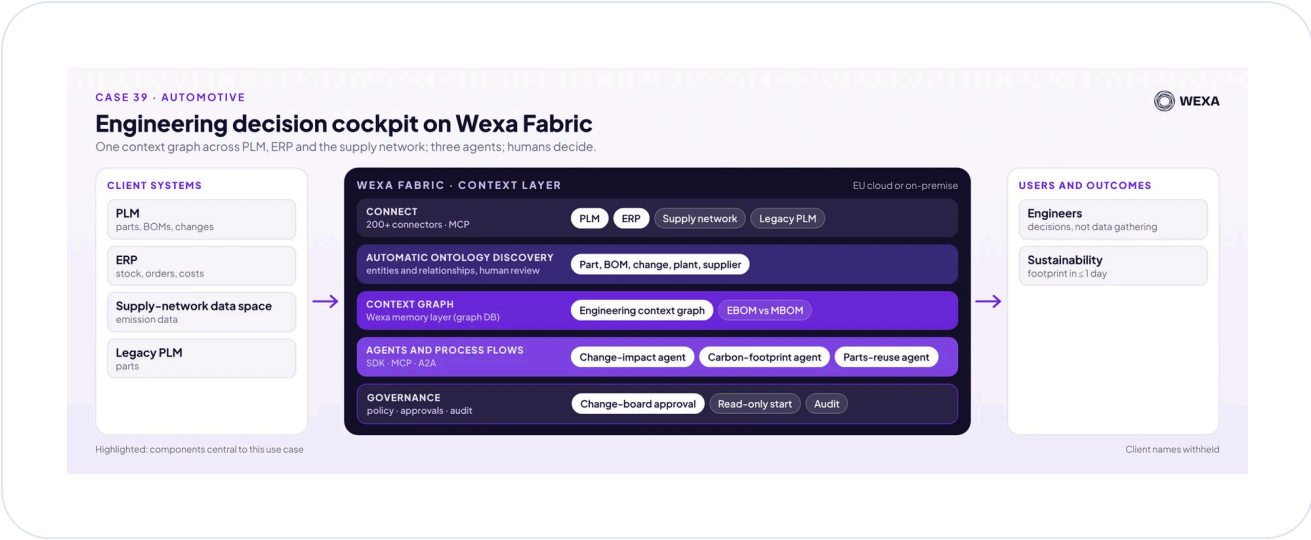


FIGURE How this use case runs on Wexa: client systems connected, ontology discovered, context graph in the Wexa memory layer, agents and process flows, and governance. Highlighted components are central to this use case.

Results

MEASURE	BEFORE / WITHOUT WEXA	WITH WEXA
Engineering cost of change impact, footprints and parts search (one division)	\$9M a year	\$4.5M a year
Annual cost of the process	\$9M	\$4.5M
Days per engineering change	17	9–10
Time to implement the AI solution	9 months	16 weeks
AI build cost (one-time)	\$1.2M	\$177K

MEASURE	BEFORE / WITHOUT WEXA	WITH WEXA
AI operating cost per year (models, infrastructure, upkeep, platform)	\$704K	\$336K
Total AI cost in year 1	\$1.9M	\$513K

WITH WEXA

\$4.2M

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

2x

faster to implement

52%

lower AI operating cost

\$1.3M

less AI spend in year 1

Value figures are planning estimates from industry benchmarks, to be re-baselined in a four-week discovery phase.