

# Build vs Buy Decision Map

**Vibe coding** builds a prototype automation for one job.

**Fit-for-purpose** agentic platforms are built to scale automation.

| Capability               | DIY / Vibe coding                         | Purpose-built agents for engineering                          |
|--------------------------|-------------------------------------------|---------------------------------------------------------------|
| Time to production       | Days for single automations               | Weeks for complete automation                                 |
| Engineering kernels      | None, file-level only                     | Native kernels: Parasolid, mesh engines, NURBS, B-Rep, voxels |
| CAX integrations         | 1–3, manually maintained                  | 80+ APIs maintained by vendor                                 |
| Agent hosted             | On-premises or cloud optional             | On-premises default or cloud optional                         |
| Agent orchestration      | Not feasible at scale                     | Agent team over full engineering stack                        |
| Workflow Maintainability | Depends on the developer who wrote it     | Visual, documented, transferable workflows                    |
| Enterprise deployment    | DIY security, auth, monitoring            | Enterprise-ready                                              |
| Security                 | Dependent on U.S. providers               | Agents on-premises                                            |
| Business factor          | High risk: one developer                  | Open platform-level resilience                                |
| Total cost of ownership  | Low upfront consumption-based, rises fast | Predictable license, re-usable tokens                         |
| Technology updates       | Frozen at build time                      | 3x year; newest models and methods available instantly        |
| FDEs with expertise      | Hire long-term                            | Available, specialized in your industry, contracted           |