

Agentic AI for Construction

An introduction to the technology
and the conversation around it, in
construction terms

Why this guide exists

Agentic AI is slowly making itself at home in the construction industry. This guide is written for those who want to understand what it is actually all about before making decisions.

Innehåll

- 01 AI is already inside your organisation
- 02 The application layer for construction professionals
- 03 What is an agent?
- 04 What the agent does and what the human does
- 05 AI glossary
- 06 Build it yourself or build with Brickanta

01 AI is already inside your organisation

Employees are already using AI. You just do not know which tools. They paste bid packages, estimates and business-critical data into ChatGPT and other consumer tools. Without traceability. Without data control. Without the organisation knowing about it.

Sensitive project data leaves your systems and ends up with third parties that may use it to train their models.

In construction terms: an unauthorised build. No building permit, no certified inspection manager, no insurance. When something goes wrong, you are left with the responsibility.

Brickanta is built to handle that risk.

02 The application layer for construction

Brickanta is the specialised provider with hundreds of pre-trained, construction-specific agents. So that you can focus on what you are actually best at: building what the rest of society leans on.

We have seen this pattern in other industries where specialised AI platforms have overtaken generic tools:



the application layer for **programming**



the application layer for **healthcare**



the application layer for **law**



the application layer for **construction**

Sweden is leading this development in Europe. The construction industry is next.

03 What is an agent?

A regular chatbot answers questions. An agent performs work.

In construction terms: a chatbot is like a consultant you call for advice. **An agent is an experienced specialist colleague who does the work for you.** Agents work around the clock and never get tired. You can have hundreds of them, each tailored to your templates, your processes and your industry.

One example: our procurement agents can independently read the full bid package, identify risks and opportunities, compare against previous projects, assemble trade-specific procurement packages, and flag anything that requires a human decision. You delegate tasks to the AI, instead of only asking questions.

In practice, when reviewing a bid package, the difference is that previously you may have needed three days of manual reading, an estimator, a project manager and a lawyer. With Brickanta, you might get 47 identified risks, of which 12 are flagged for human decision-making. The human makes the decisions, but the agent does the heavy lifting.

Brickanta is an **application layer** built for built environment professionals. We have hundreds of pre-trained agents, each specialised in one part of day-to-day work: bid analysis, estimate review, inspection plans, legal review, procurement. There are plenty of generic agents. Ours are built for the industry and can therefore be easily adapted to your unique workflows. And of course you own them, together with all the insights they generate. We only do the work.

04 What the agent and the human does

The most common question from estimators and project managers: will this replace me?
No. That is not the purpose, and it is not what the agents are built for.

What the agent does

Reads through hundreds of pages, compares against your history, finds deviations, compiles supporting material, and flags anything that looks unusual.

What the human does

Makes the decisions, assesses the risks, chooses the strategy, owns the customer relationship, and quality-assures the agent's work.

The agent is a specialist colleague who takes care of the repetitive and time-consuming work, so that your experienced employees can spend their time where their judgement actually makes a difference. That is the whole point.

05 AI glossary

LLM (the language model) = the raw material

Like concrete, steel or timber. OpenAI, Anthropic and Google supply it. As a built environment professional, you do not mine your own iron ore. You buy finished steel.

The application layer = the actual building

This is where value is created. The raw material builds nothing on its own. Someone is needed who knows how to construct with it, according to the industry's processes, safety procedures and requirements.

Agent = an experienced specialist colleague who performs the work

Works around the clock and never gets tired.

Tools = the specialist's toolbox

What the agent can do: search documents, read your templates, compare against previous projects, generate procurement packages. An agent without tools is a carpenter without a hammer.

LLM Evals = final inspection and testing

Regular tests of different language models against real outcomes before anything goes into production. No serious contractor delivers without a final inspection, and no one stops looking for better ways to work. The same applies to AI.

Governance och traceability = the QHSE binder

Every decision, every suggestion, every answer must be traceable back to its source. Otherwise, it is not buildable.

A common question: “Why do we need a partner when we can build our own agents?” You can build a cottage yourself. An internal HR chatbot is a backyard cottage. Of course you can build that yourself.

A motorway tunnel is something else. An agentic AI platform that reads bid packages, handles construction contract law, maintains ISO 27001 certification, has governance, evals, traceability, and always runs on the latest models — that is an infrastructure project. It is hard for a construction company to build all of that in-house.

As a construction company, you do not build every tool, machine, or material yourself. You hire specialist equipment, buy certified materials, and license industry software. AI works the same way.

An AI partner does three things that internal development rarely manages:

1. Leads innovation

We are always first with the latest models and security solutions. We have direct and close partnerships with the model creators and providers. That is our full-time job.

2. Carries the risk

We own evals, governance, security and updates. You get the result.

3. Builds for the industry

Not for “all office workers” like Microsoft Copilot.

But for those of you procuring the country’s most important infrastructure.

Questions?

Get in touch at info@brickanta.com

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