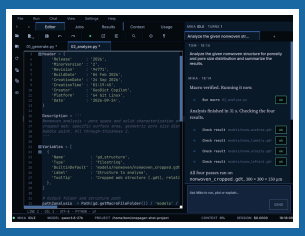
AI-assisted material R&D

GeoDict Copilot

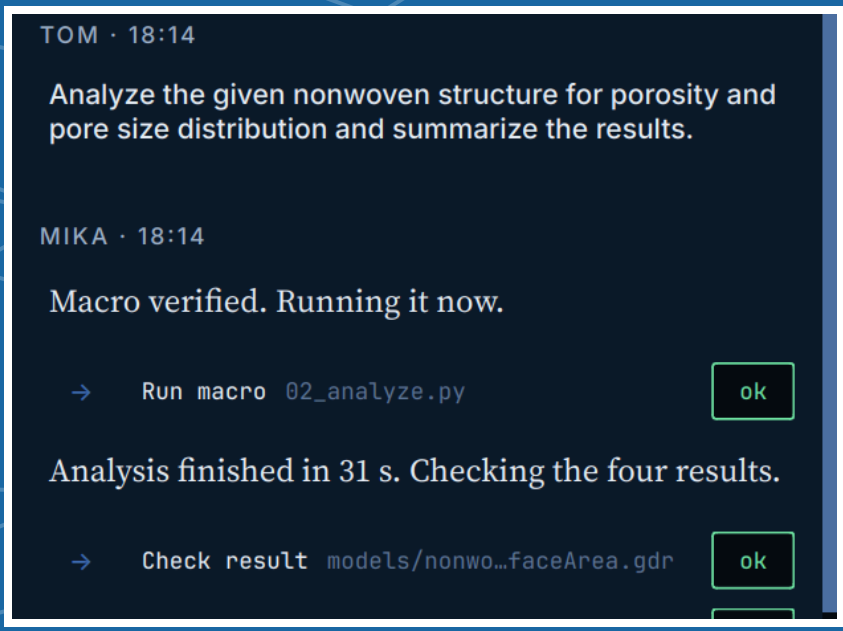
cvt engineering
Ingenieurbüro | computational engineering

Experts get more done with GeoDict, and more people in R&D can use it.

The Copilot is an AI-powered desktop application for GeoDict that helps R&D teams set up, run and analyse simulations without having to handle every technical detail manually.



The desktop application: macro editor, jobs, results and chat.



"In my GeoDict project work I run parameter studies, build tailored workflows and do modelling for my clients. For eight years I have been developing my own tools for that. The Copilot builds on them. I use it in my daily work; tasks that took several days are now done in a few hours."

Tom Cvjetkovic, cvt engineering

Already using GeoDict?

Less time on the mechanics.

The Copilot handles modules, parameters, simulation runs and result extraction. Your time goes into how a material is modelled and what the results mean; Python post-processing feeds your other R&D tools. Repeated workflows become GeoApps for the team.

Considering GeoDict?

Simulation without a specialist.

Ask in plain language; the Copilot runs it in GeoDict and returns a report and the result file. It knows the modules and proposes sensible parameters, so you read the report, not the setup.

Not a replacement for GeoDict.

GeoDict still does the simulation.

The AI is used where judgment is needed: choosing modules, proposing parameters, reading results. The macro is built from validated blocks and runs in GeoDict.

Runs where your data is

Nothing has to leave the building.

The Copilot is installed on your machine and drives your GeoDict. The AI model is your choice: Claude, any OpenAI-compatible API, a self-hosted model on your own servers.

Try it on your own material

We are opening the Copilot to two or three R&D groups. Bring a material or a simulation task you already work on, and see what changes when the software takes care of the mechanics.

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