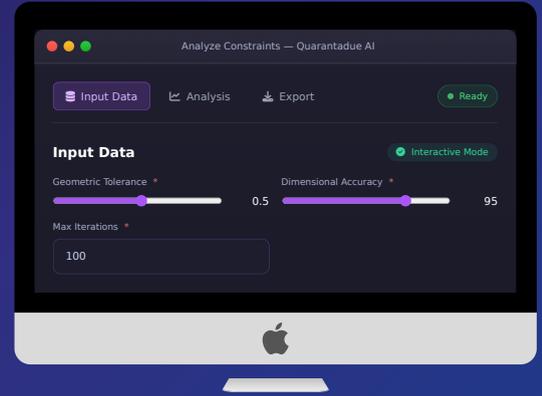# Ask Production AI. Get Verified Facts.
Not AI Fantasies.

We create **AI models trained on 250M+ sci-papers**. 96 Small Language Models (SLM) 100% focused on Production domain knowledge.

Analyze Constraints — Quarantadue AI

Input Data | Analysis | Export | ● Ready

Input Data   ● Interactive Mode

Geometric Tolerance *   0.5   Dimensional Accuracy *   95

Max Iterations *
100

12 AI Suites · 96 AI Models · 288 AI MCP Tools Build From Specs

p Generative

AI-driven generative design and multi-objective optimization of architectural, structural, and MEP systems. It explores vast solution spaces for performance, cost, and sustainability based on design intent, site constraints, and engineering principles.

1 Parametric Constraint Solver AI
2 Form Finding Engine AI
3 Structural Topology Optimizer AI
4 Energy Performance Explorer AI
5 Daylight Spatial Analyzer AI
6 MEP Configuration Generator AI
7 Multi Objective Optimizer AI
8 Concept Selection Advisor AI

p BIM Intelligence

Enhancement, validation, and automation within Building Information Modeling workflows. Focuses on semantic enrichment of BIM data, automated model checking, and intelligent clash detection to ensure model integrity and constructability.

9 Semantic Element Classifier AI
10 Rule Compliance Validator AI
11 Intelligent Clash Detector AI
12 Constructability Analyzer AI
13 Model Federation Coordinator AI
14 As Built Reconciler AI
15 Quantity Intelligence Extractor AI
16 Validation Rule Author AI

p Construction Vi...

Computer vision for real-time construction site monitoring, analysis, and documentation. Automates progress tracking, workforce and equipment localization, and safety compliance verification using imagery from cameras and drones.

17 Site Reconstruction Engine AI
18 Construction Entity Tracker AI
19 BIM Progress Analyzer AI
20 Safety Compliance Monitor AI
21 Workforce Productivity Analyzer AI
22 Equipment Utilization Tracker AI
23 Material Volume Calculator AI
24 Site Diary Automation AI

p Robotics

AI for the control, coordination, and task planning of autonomous and semi-autonomous construction robots and equipment. Enables robotic fabrication, assembly, and on-site material handling.

25 Dynamic Path Planner AI
26 Manipulation Task Planner AI
27 Proximity Safety Monitor AI
28 Swarm Coordinator AI
29 Additive Process Optimizer AI
30 Equipment Fleet Supervisor AI
31 Situational Awareness Engine AI
32 Adaptive Execution Controller AI

p Predictive Anal...

Leverages historical and real-time project data to forecast risks, costs, and schedules. Uses machine learning to identify patterns leading to overruns, safety incidents, or quality issues before they occur.

33 Cost Overrun Forecaster AI
34 Schedule Risk Predictor AI
35 Change Order Impact Analyzer AI
36 Safety Incident Predictor AI
37 Subcontractor Performance Analytics AI
38 Project Cash Flow Forecaster AI
39 Delay Causation Analyzer AI
40 Quality Defect Predictor AI

p Digital Twin

Creation and maintenance of dynamic, data-rich digital replicas of physical assets for lifecycle management. Integrates IoT sensor data, BIM, and operational systems for simulation and decision support.

41 Bim Geometry Integrator AI
42 Io TStream Fusion AI
43 Performance Simulation Engine AI
44 Anomaly Detection Core AI
45 Scenario Planner AI
46 Continuous Commissioning Agent AI
47 Lifecycle Data Chronicler AI
48 Twin Visualization Orchestrator AI

p Supply Chain

Optimization of construction material logistics, inventory management, and procurement using AI. Addresses volatility and fragmentation in the construction supply chain to ensure just-in-time delivery and reduce waste.

49 Material Demand Forecaster AI
50 Supplier Risk Assessor AI
51 Logistics Route Optimizer AI
52 On Site Inventory Tracker AI
53 Circular Material Passport AI
54 Procurement Scheduler AI
55 Delivery Dock Coordinator AI
56 Supply Chain Resilience Monitor AI

p Quality Inspecti...

Automated, non-destructive quality assessment and defect detection in construction materials and assemblies. Uses imaging, acoustics, and other sensor data to identify deviations from specifications.

57 Concrete Crack Detection AI
58 Weld Integrity Assessment AI
59 Finishing Work Inspection AI
60 Dimensional Accuracy Verification AI
61 Acoustic Defect Detection AI
62 Rework Prediction Analytics AI
63 Assembly Integrity Verification AI
64 Material Anomaly Detection AI

p Compliance

Automated analysis of designs, documents, and processes for compliance with building codes, regulations, and sustainability standards. Reduces manual review time and minimizes compliance risk.

65 BIM Code Parser AI
66 Model Rule Checker AI
67 Accessibility Validator AI
68 Fire Life Safety Analyzer AI
69 Structural Code Verifier AI
70 Sustainability Scorer AI
71 Submission Packager AI
72 Compliance Audit Trail AI

p Urban Simulation

AI-powered simulation and optimization of urban-scale systems and master plans. Models complex interactions between infrastructure, environment, and human activity to inform planning decisions.

73 Urban Agent Population AI
74 Multi Modal Traffic Simulator AI
75 Pedestrian Crowd Dynamics AI
76 Urban Microclimate Modeler AI
77 Pollution Dispersion Analyzer AI
78 Land Use Optimization Engine AI
79 Infrastructure Resilience Simulator AI
80 Urban System Integrator AI

p Deconstruction

AI for planning and executing the deconstruction, demolition, and material recovery process at a building's end-of-life. Maximizes value recovery and minimizes waste through intelligent disassembly planning.

81 Hazardous Material Classifier AI
82 Material Salvageability Analyzer AI
83 Disassembly Sequence Generator AI
84 Robotic Demolition Planner AI
85 Selective Demolition Optimizer AI
86 Circular Feedstock Planner AI
87 Deconstruction Safety Protocol Manager AI
88 Deconstruction Progress Simulator AI

p Document Intell...

Natural Language Processing for the automated analysis, management, and generation of construction project documents. Extracts insights from unstructured text to streamline administrative workflows.

89 Contract Risk Extractor AI
90 Rfi Response Generator AI
91 Change Order Analyzer AI
92 Meeting Minute Summarizer AI
93 Regulatory Document Parser AI
94 Specification Compliance Checker AI
95 Project Correspondence Classifier AI
96 Daily Report Analyzer AI

Ready to Transform Your Production Workflow?

Join thousands of engineers who've already accelerated their projects.

🌐 quarantadue.ai   📞 +39-0445-575870   ✉ hello@quarantadue.ai

Eight Powerful AI Capabilities

A complete suite of AI tools designed to accelerate innovation across all 42 technologies

DeepSearch
Semantic search across knowledge bases

DeepOCR
Scan documents with formulas and diagrams

DeepVerify
Verify scientific claims in research papers

DeepKnowledge
Create your personal AI expert

DeepSolve
AI-driven Innovation Matrix solutions

DeepSpecs
Production-ready development specs

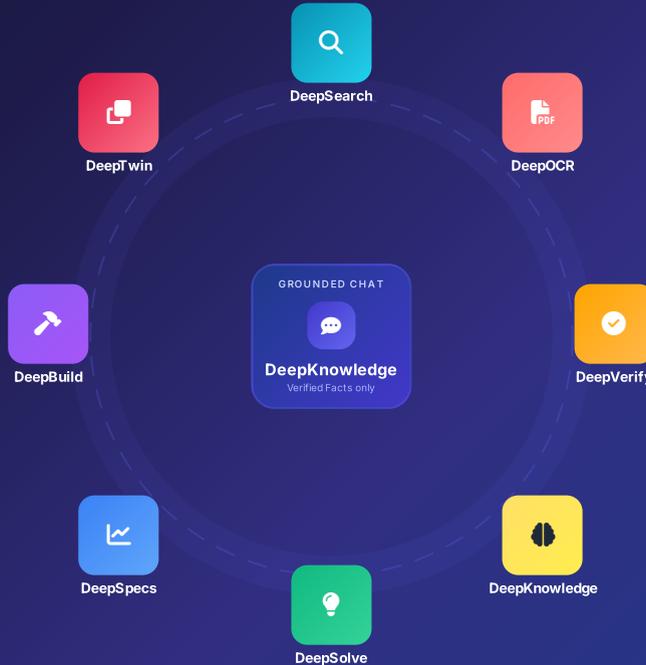**DeepBuild**
AI Software Engineering solutions

DeepTwin
Create and simulate digital twins

THE INTELLIGENCE CYCLE

How AI Advances Humanity

Every breakthrough follows the same path: discover, extract, verify, learn, innovate, specify, engineer, simulate. The Deep AI Loop automates this entire cycle.

DeepSearch

DeepTwin

DeepOCR

DeepBuild

GROUNDED CHAT

DeepKnowledge
Verified Facts only

DeepVerify

DeepSpecs

DeepKnowledge

DeepSolve

Trusted by Production Leaders

See what professionals are saying about Quarantadue AI

★★★★★
"What used to take my team 3 weeks now takes 2 hours. The accuracy on complex Production calculations is remarkable."

Dr. Sarah M.
Chief Production Engineer

★★★★★
"Finally, an AI that actually understands Production engineering. No more generic ChatGPT answers - just precise, domain-specific insights."

Michael K.
VP of Engineering

★★★★★
"The DeepBuild module alone saved us €200K in development costs. ROI in the first month."

Dr. James T.
Technical Director

SINGLE PRODUCTION MCP TOOL	MOST POPULAR	BEST VALUE
Lite	**Professional**	**Unlimited**
€9.99 /year	**€999** /month	**€4,999** /month
✓ 1 Production MCP tool of choice	✓ All 288 Production Software	✓ Everything in Professional
✓ €100 free credits	✓ All 96 Production AI Models	✓ 8 DeepModules (AI builders)
	✓ DeepKnowledge module	✓ Build custom Production AI apps
	✓ Team sharing (5 seats)	✓ App Source code available