

Rescale Agentic Digital Engineering

AGENT-ACCELERATED INNOVATION FOR R&D AND ENGINEERING

Rescale Agentic Digital Engineering embeds agentic AI into engineering and scientific processes so teams can focus on the work that matters. Purpose-built AI agents can handle operational tasks and multi-step workflows with human approval at each critical checkpoint. The result: faster product development cycles and scalable R&D transformation.

PRODUCT DEVELOPMENT CYCLES STILL HITTING ROADBLOCKS

Reclaim Engineering Capacity

Agents offload repetitive tasks so engineers can focus on innovation.

Unlock Fragmented Knowledge

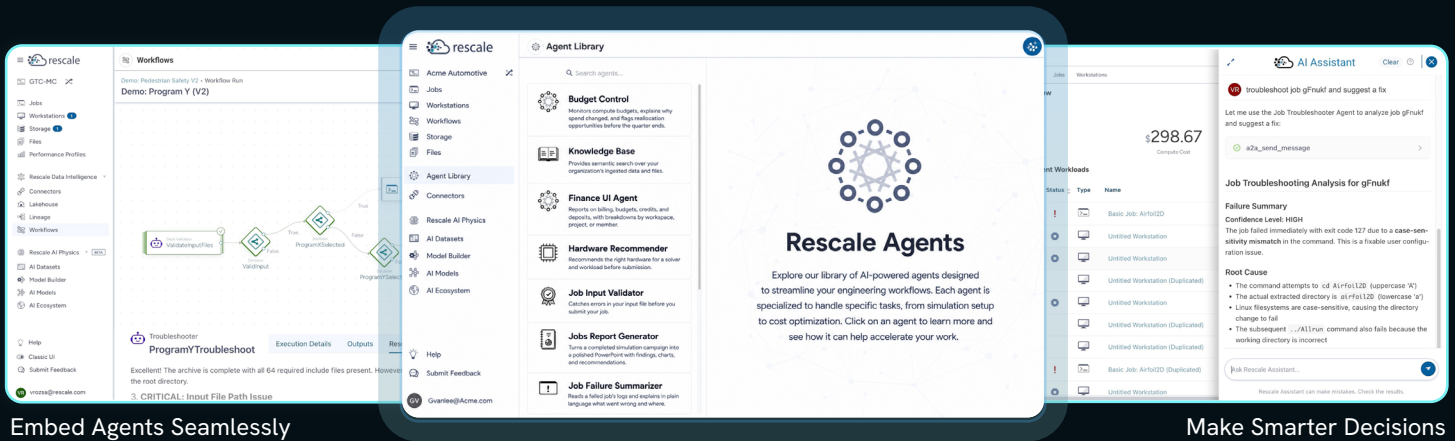
Engineering intelligence unifies knowledge to improve decision-making.

Scale AI Initiatives Faster

AI-first digital engineering platform embeds AI into existing workflows.

THE FASTEST PATH FROM BOTTLENECK TO BREAKTHROUGH

Organizations see agentic digital engineering as the path to accelerating innovation, but need a trusted and scalable platform to deploy pre-built and customized agents at scale. Rescale combines specialized engineering agents, controlled orchestration, data grounding, and governance to deploy and scale agentic AI with confidence.



Embed Agents Seamlessly

Deploy Agents Faster

Make Smarter Decisions

REAL INNOVATORS. REAL RESULTS.

“By continuously compounding and optimising our data, our intelligence and our engineering philosophies at unimaginable speed, we can deliver product developments at pace, while protecting the DNA of our company.”

—NICK COLLINS | CEO, McLaren Automotive Industries

McLaren

2X

Faster time to market and millions in R&D program value

3X

Productivity gains through agentic automation of repetitive tasks

Hours → Min

For job failure diagnosis and troubleshooting

DRIVING TRANSFORMATION FROM DESIGN TO LAUNCH

AI-first R&D and agentic AI are strategic and operational imperatives — they are rapidly reshaping the velocity and efficiency across aerospace, automotive, energy, life sciences, government, and manufacturing.

FOR R&D AND ENGINEERING LEADERS EVALUATING AGENTIC AI

Expand Capacity and Increase Productivity

Maximize R&D performance with agents that augment teams and accelerate development.

Deploy Engineering Agents Confidently

Access purpose-built agents that adapt to existing processes, requirements, and best practices.

Ground Agents in Engineering Data

Anchor agentic actions in engineering decisions, project context, and organizational knowledge.

Control and Govern Agents

Embed agents in existing workflows with human approvals and validation in every method.

FOR DESIGN ENGINEERS AND SIMULATION PRACTITIONERS FOCUSED ON INNOVATION

Retrieve Engineering Knowledge

Agents search across data sources to validate decisions in historical findings and related analysis.

Configure, Monitor, and Get Alerts

Agents guide job setup with optimal configurations and surface alerts for critical workflow checkpoints.

Diagnose and Troubleshoot Errors

Agents triage solver errors, review suggested fixes, and resubmit with approval in minutes versus hours.

Generate Decision-Ready Reports

Agents populate approved templates with simulation findings, plots, and pass/fail results for review.

THE PLATFORM ADVANTAGE: INTEGRATED, SCALABLE, GOVERNED



Unified Platform

Rescale integrates and orchestrates compute, simulation, data and AI capabilities on a single platform.



Domain Expertise

Engineering-specific agents built for the complex engineering workflows that drive innovation.



Enterprise Governance

Agentic operations are grounded in engineering context, observability, and platform-level controls.

REALIZE YOUR INNOVATION POTENTIAL WITH RESCALE

The Rescale digital engineering platform empowers R&D and engineering teams with the intelligent HPC, advanced modeling and simulation, agentic digital engineering, and AI physics solutions they need to accelerate innovation in the AI era.



The best way to experience the power of Rescale is hands-on.

Learn more at rescale.com/agents

