rescale

The Digital Engineering Platform Built for the AI Era

Rescale accelerates modeling and simulation workflows with the flexibility of cloud computing, the power of data, and the speed of AI. The platform delivers full-stack automation and support across the industry's largest selection of HPC resources, data intelligence capabilities, and AI methods, integrated together to accelerate product development and improve IT operational efficiency.

Optimize Your HPC

Accelerate full-stack modeling and simulation with Rescale Compute™

Harness Your Data
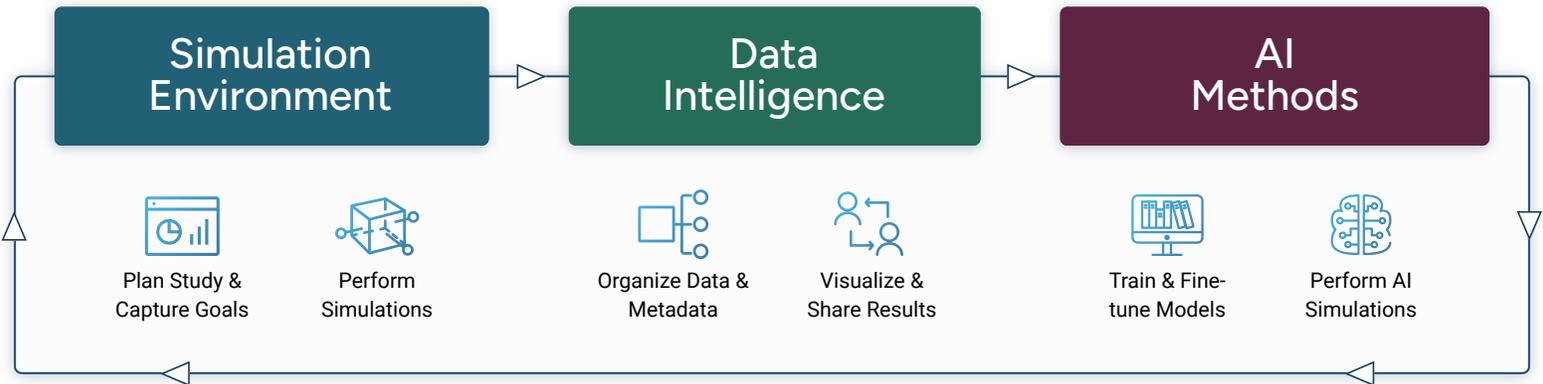
Expedite your decision-making with Rescale Data Intelligence™

Unlock AI Insights

Discover new capabilities at unprecedented speed with Rescale AI Physics™

Unified Platform for Accelerated Modeling and Simulation

Rescale streamlines R&D by unifying disparate workflows, integrating advanced simulation tools, and leveraging data for AI-driven methods. Engineering teams can accelerate end-to-end processes, reduce manual and duplicate work, and gain insights from historical data to discover and validate new products faster.

Simulation Environment	Data Intelligence	AI Methods
Plan Study & Capture Goals — Perform Simulations	Organize Data & Metadata — Visualize & Share Results	Train & Fine-tune Models — Perform AI Simulations

Delivering Value Across the Enterprise

Engineers & Scientists

Accelerate product innovation with AI-enhanced simulation, flexible compute resources, and automated workflows that eliminate manual tasks.

Data & AI Leaders

Build unified data foundations with AI intelligence to enable cross-team insights, agentic automation, and AI Physics methods.

IT & HPC Managers

Simplify operations, ensure security and compliance, and optimize cloud HPC resources across hybrid and multi-cloud architectures.

Rescale Customers Achieving Measurable Results

TE connectivity   DAIKIN   DEFENSE INNOVATION UNIT   GM MOTORSPORTS   SAMSUNG   TechnipFMC

Business Impact

Accelerate Innovation

6X faster simulation results with elastic hardware capacity, automated workflows, and real-time collaboration.

Manage Risk & Cost

20x improved resource output with full-stack resource optimization and streamlined administration.

Increase Productivity

30% engineering time saved by automating manual tasks in data management and workflow configuration.

Enterprise-Grade Capabilities with Turnkey Ease-of-Use

Rescale delivers the industry's largest network of pre-installed applications, intelligent data fabric with AI-powered search and analytics, and applied AI capabilities, all with automated orchestration, cost-performance optimization, and full-stack support in a secure, compliant platform.

Rescale Platform

Rescale AI Physics — AI Training & Deployment | AI Inference | App & Model Marketplace | Design Optimization

Rescale Data Intelligence — Collaboration | Workflows | Analytics | Search | Digital Thread | Governance | Connectors

Rescale Compute — Batch Modeling & Simulation | Visualization | Design of Experiments

Software Management	Workload Orchestration	Cost-Performance Optimization	IT Business Management	Infrastructure Automation
1,250+ Pre-Installed Software & Versions, with custom application publishing	Hardware-software configurations with orchestration across clouds, architectures and regions	Continuous improvement of compute & licensing utilization, cost models, & sustainability	Visibility and control management, security controls, & team organization	180+ specialized architectures from leading cloud providers, available pre-configured & on-demand

End-to-End Security & Compliance — Leading Compliance Certifications (SOC-2, HIPAA +) | Public Sector Authorizations (FedRAMP, ITAR +)

INTEGRATIONS & CONNECTORS

Full-Stack Support & Professional Services — Implementation & Onboarding | Application & OS | Benchmarking & Optimization | Training

Support and Expertise Across Technology and Industry Use Cases

Rescale provides full-stack support and professional services with deep industry and technology expertise, ensuring success across diverse workloads in HPC, AI, and simulation. Our team provides a range of services from onboarding, optimization, and advanced use case support based on customers' needs.

Broad Use Case Support for Modeling and Simulation

Fluid dynamics • Finite Element • Molecular Dynamics • Electromagnetics • Thermal Management • AI/ML Surrogate Models • Weather Modeling • Genomics • 2D & 3D Visualization • Virtual Workstations • And More…

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Learn more about Rescale
www.rescale.com