

# Rescale Public Sector Data Sheet

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# MISSION CRITICAL COMPUTE POWER

## Modern Computing for Public Sector Applications

Rescale provides a unified platform to orchestrate advanced computational power and applications for modeling and simulation. Rescale enables users to access the latest computing architectures, harness their data, and leverage AI to accelerate simulations and speed time-to-insight.



### Optimize Your HPC

Accelerate full-stack modeling and simulation with Rescale Compute™



### Harness Your Data

Expedite your decision-making with Rescale Data™



### Unlock AI Insights

Discover new capabilities at unprecedented speed with Rescale AI™

## Advantages to Address Mission Needs

Engineers, operators, and researchers depend on advanced modeling and simulation to make decisions with speed and accuracy. Modern challenges call for greater agility and the ability to assess a greater number of parameters. Rescale delivers a foundational platform built to handle analysis of any complexity, scale, and fidelity.

**Agility & Flexibility**

Deliver access to cutting-edge computing architectures through partnerships with leading cloud service providers (CSPs). Rescale enables users to optimize compute resources by workload, leveraging multi-cloud and hybrid infrastructures.

**Security & Compliance**

Meet government requirements, including ITAR, FedRAMP Moderate, and DoD Cloud Authorization Impact Level 5 (in process). Rescale offers end-to-end encryption, authentication, and monitoring controls for data protection.

**User-Centric**

Empower operators to succeed in any mission. Eliminate the constraints and complexities of traditional computing with an intuitive and scalable user experience, enabling users to focus on mission needs.

## Trusted Partners

Rescale is proud to partner with public sector leaders to develop solutions to complex challenges from public infrastructure and health to national energy and security.

Learn More About the Defense Innovation Unit's Success Memorandum  
Awarded for Rescale's Partnership with DoD's High Performance Computing Modernization Program (HPCMP) - Read Press Release



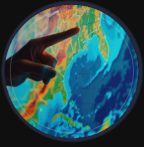
# Customer Success Across Disciplines and Applications

Rescale delivers rapid and reliable results for a range of use cases.



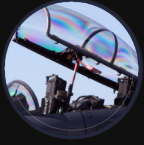
## Autonomous Systems Operations

A leading defense technology company simulates performance of autonomous systems under varying conditions. Previously they left laptops running over night to perform simulations requiring significant time to get answers. With Rescale, they now run thousands of simulations with greater complexity in a fraction of the time, generally 1 hour.



## Climate Modeling & Weather Forecasting

A preeminent climate research center delivers real-time weather prediction for remote locations that face extreme and rapidly changing conditions. Accelerated by Rescale, these timely forecasts provide critical data for scientific and exploration missions conducted by the U.S. and international partners.

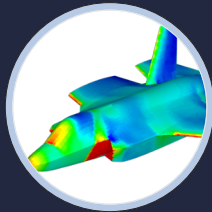


## Aircraft Ejection Seat Performance

A premier defense contractor spent 2 years and millions investing in on-premises computing to replace costly physical testing but faced limitations performing complex simulations. After switching to Rescale, the customer deployed in 2 months, achieving over \$10 million in savings and a 50% speed up in time-to-market.

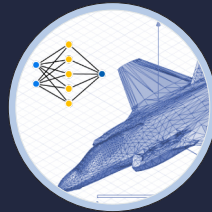
## Accelerating Design Exploration & Engineering Optimization Cycles with Simulation+AI

### 1 Simulation Data Generation



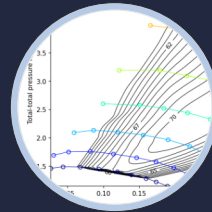
Generate deterministic CFD data, label data & prepare training datasets

### 2 Model Training & Deployment



Automate workflows for training & deploying custom AI models

### 3 Inference & Prediction



Run inference to rapidly evaluate one or many designs with probabilistic predictions

### Validation & Tuning

Validate prediction accuracy and improve AI models with additional simulation

**85% +**

improved compute resource efficiency

**99% +**

accuracy compared to traditional CFD

**1,000x +**

accelerated design evaluation

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