

**TRACE**.SPACE

UNLEASH ENGINEERING BRILLIANCE

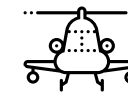
# The AI Engineering Platform to Increase Engineering Efficiency



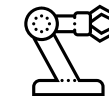
Aerospace



Automotive



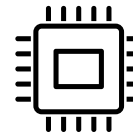
Defense



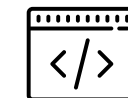
Medical Device



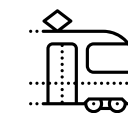
Oil & Gas, Nuclear



Semiconductor



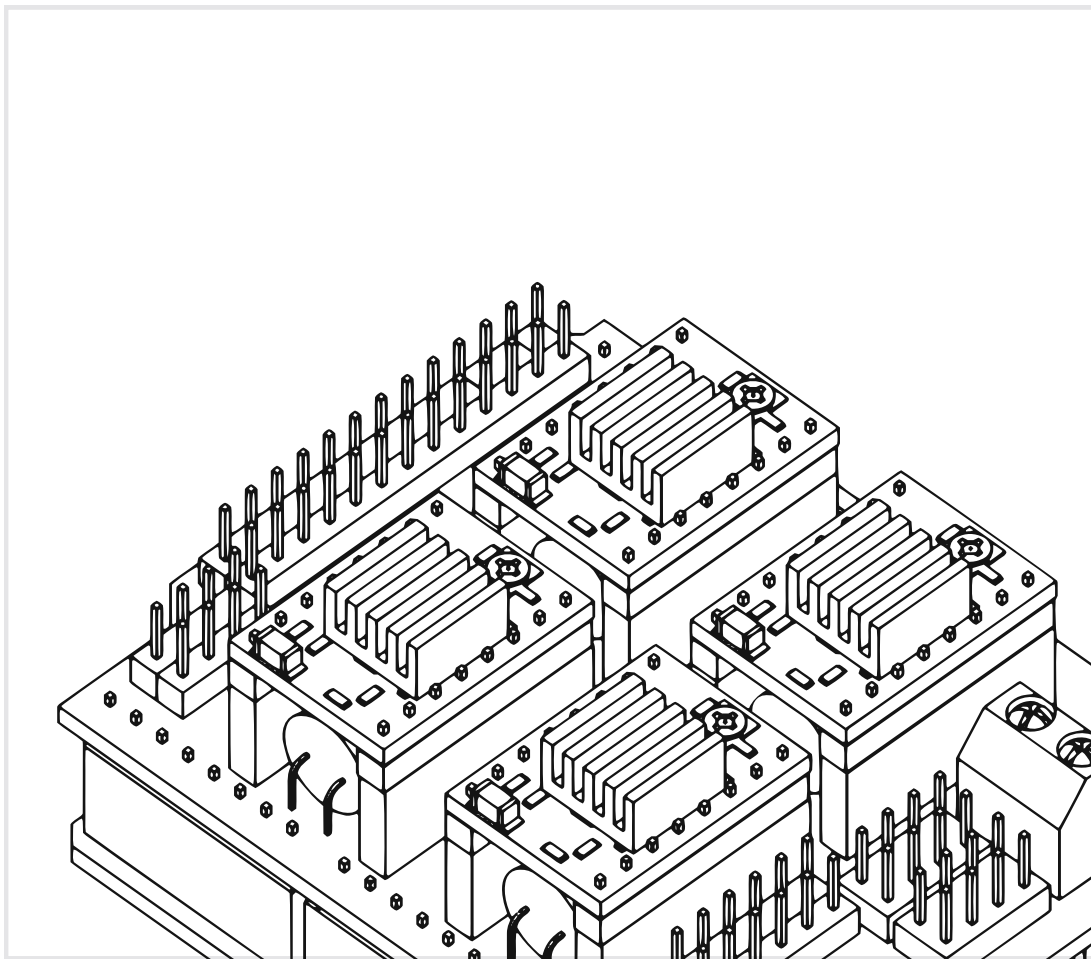
Software



Industrial &  
Robotics

AUGUST 2025

# Paradigm Shift



- **AI is bringing individual productivity gains across Enterprise → Increased engineering efficiency**
- **Hardware-first → Software-first principles in engineering**
  - Prescriptive requirements → Conceptual, big picture, Customer North Star requirements
  - Natural language requirements → Machine readable with Design Parameters
  - Smaller teams → Faster iterations
  - Real-time collaboration → Slack/Teams

# How Trace.Space Works



## Natural Language Requirements Capture

AI system interprets each statement and creates structured requirements



## Real-Time Consistency Checking and Gap Analysis

AI examines for gaps, conflicting needs or missing dependencies using domain-specific patterns and enterprise standards



## Collaboration and Documentation

AI summarizes discussions, captures decisions and updates requirement documents

# How Trace.Space Works



## AI-Assisted Continuous Testing and Validation

AI can automatically generate design parameters, test cases and acceptance criteria



## Regulatory Assurance

Compliance checks help ensure that requirements incorporate necessary security and regulatory elements



## Agentic workflows

AI agents propagate requirement changes through designs and tests automatically, perform rapid design-space exploration, and run verification loops.

# How Trace.Space Works – Summary



## AI That Understands Engineering Change

Trace.Space brings agentic workflows to requirements engineering, automating tedious tasks while keeping engineers in control.



## API-First and Extensible by Design

Integrated, continuous development leads to cost reductions and accelerating of product development lifecycle.



## Built for Large-Scale Engineering Workflows

Collaborative workspaces break down silos across hardware and software teams, enabling faster and more informed decisions.

# Built for Enterprise Scale

## **Enterprise-Grade Security**

SOC 2, ISO 27001, and industry-specific compliant infrastructure with encryption at rest and in transit – built to meet the highest standards of data protection.

## **Cloud and Self-Hosted Deployment**

Use our secure AWS Cloud, deploy in your own Virtual Private Cloud (VPC) or air-gapped environment for full control, compliance, and performance at scale.

## **AI Model Control, Your Way**

Use your own LLMs or models hosted by Trace.Space – with clear boundaries and no data leaks. Your engineering data stays private, always.

