



From & for engineers

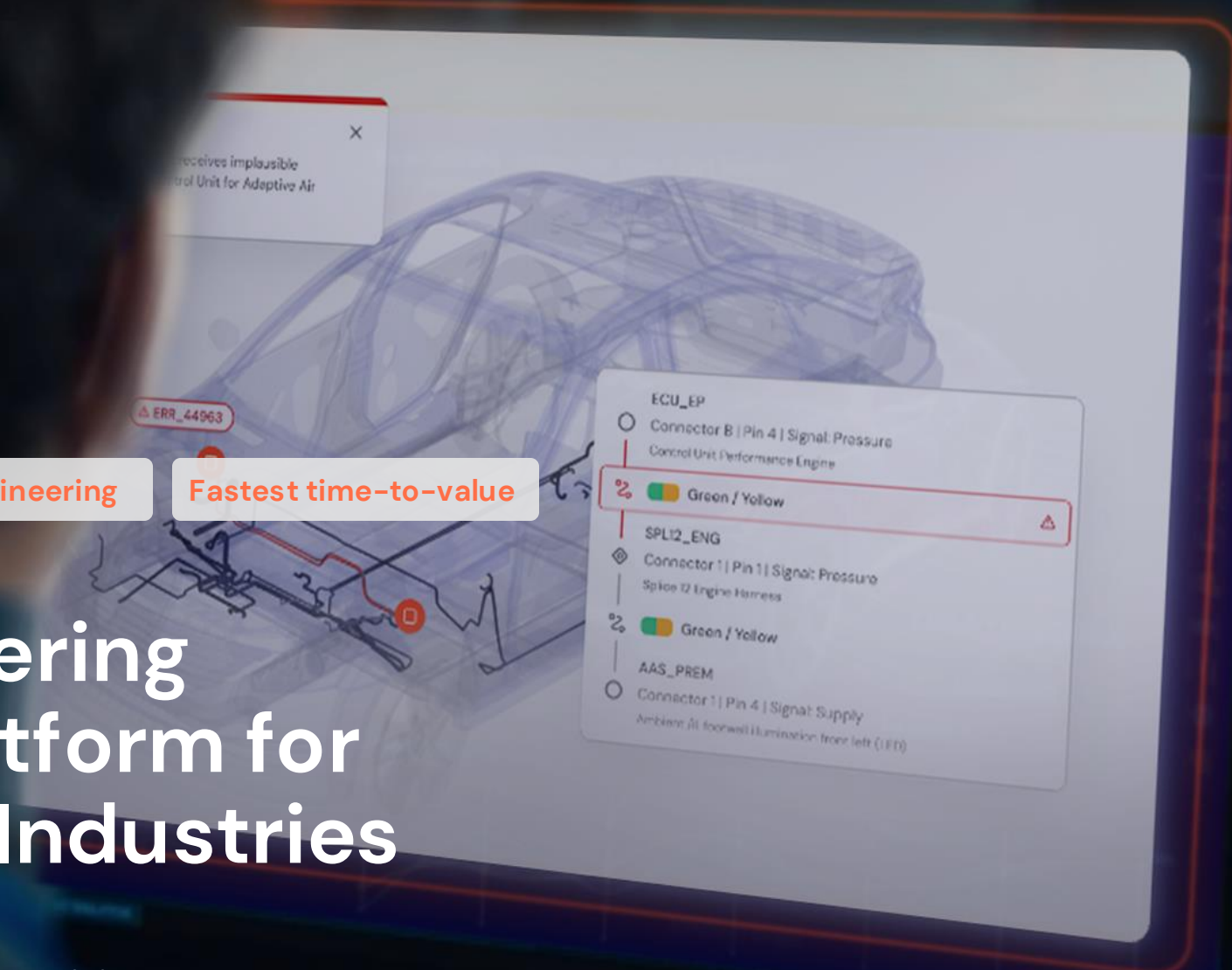
AI-powered engineering

Fastest time-to-value

Agentic Engineering Intelligence platform for Manufacturing Industries

Overview: Agentic Engineering Intelligence tech by SPREAD

Berlin, December 2024



Accelerating the next generation of software-defined products with Agentic Engineering Intelligence (Agentic EI) for manufacturing industries

>120 SPREADSTERS

Powerhouses in engineering, AI, and manufacturing.

>50

Transformative enterprise solutions delivered globally.

>1 Billion

Data points processed to fuel our Engineering Intelligence Graph since 2019.

Multiple Award Winner

The Spark Innovation Award Winner 2024 - recognized by industry leaders.

Military Grade Security

For processing mission-critical data, in industries where failure is not an option.

Strong Product IP

Proprietary Agentic EI technology that delivers unmatched value.



Industries we serve

Automotive OEMs

Machinery

Aerospace

Commercial Vehicle OEMs

Defense

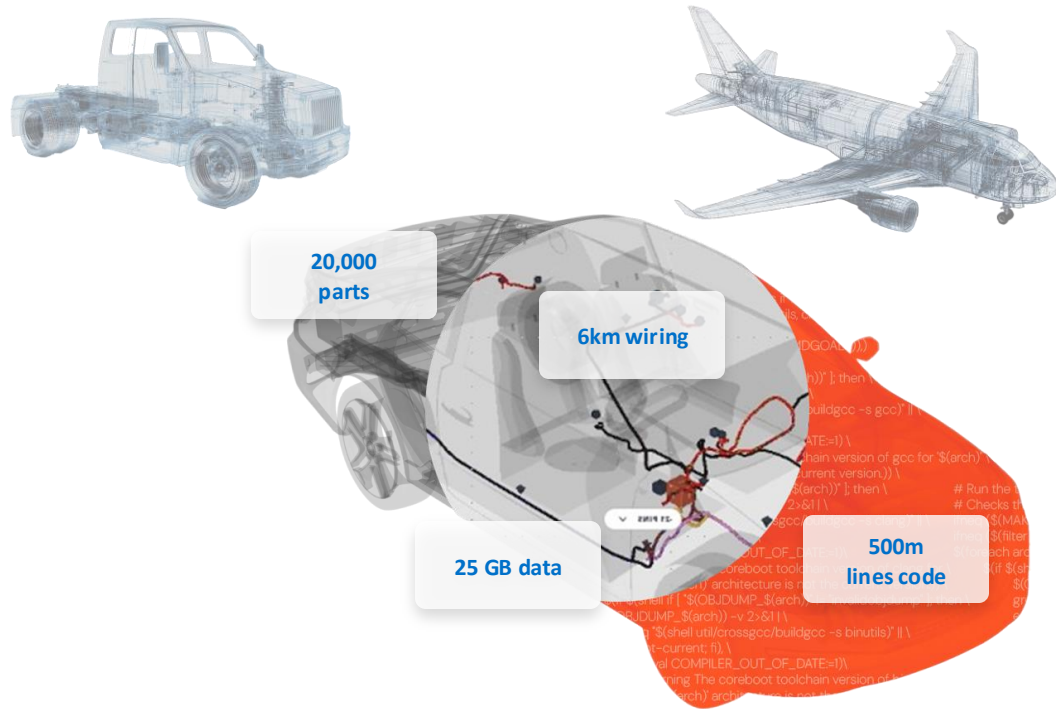
Automotive Suppliers

Trusted by leading brands



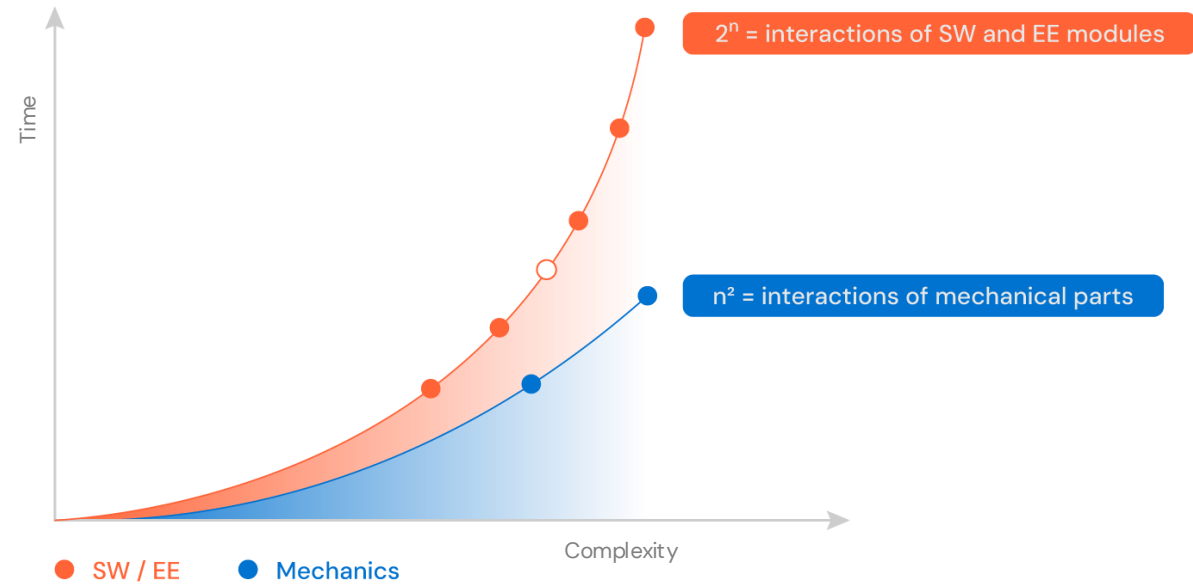
SDVs introduce exponential complexity in products and organizations without real digital development the inefficiency will grow exponentially

Hyper-Connected



Highly interdependent

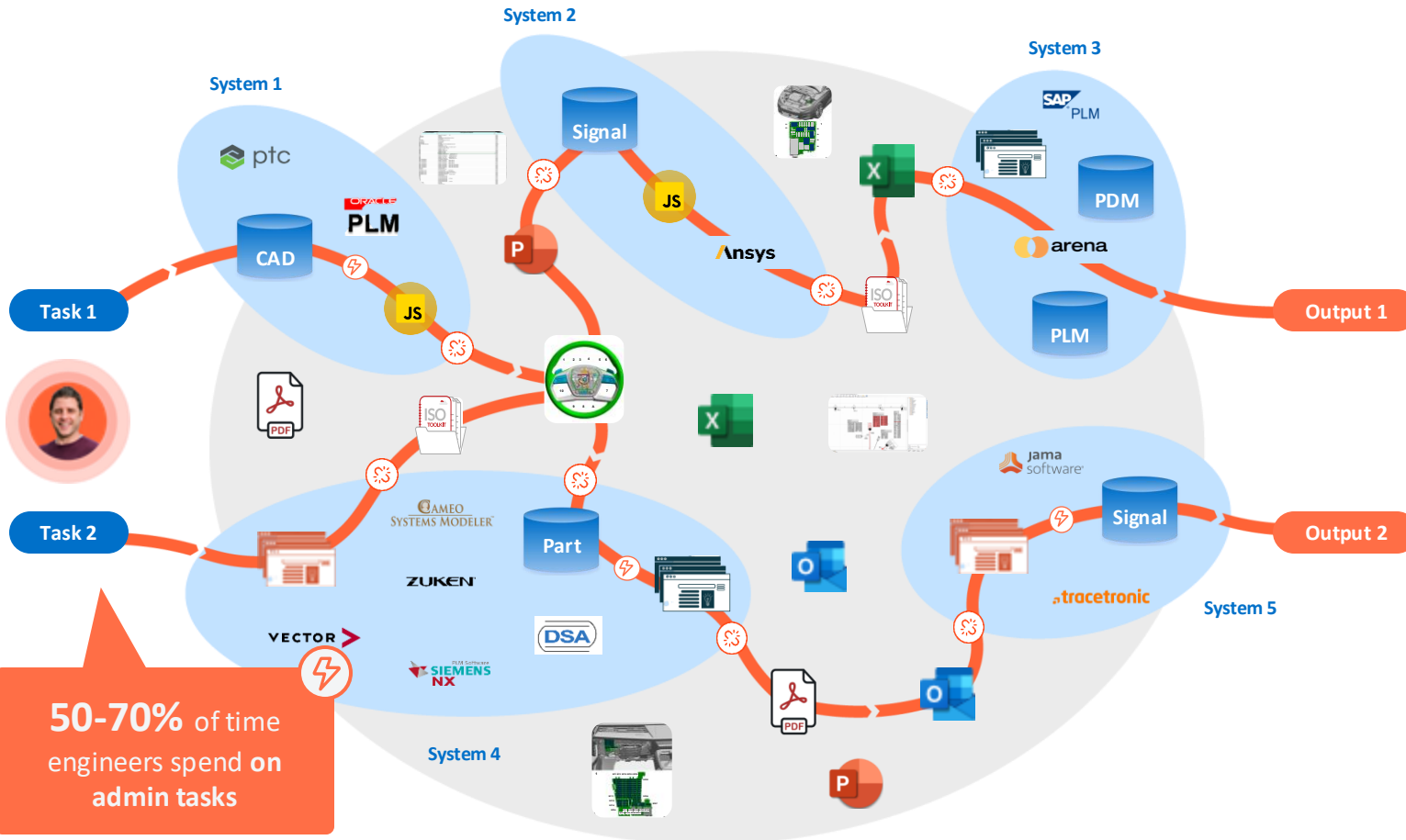
Exponentially growing SW & EE complexity (product & org)



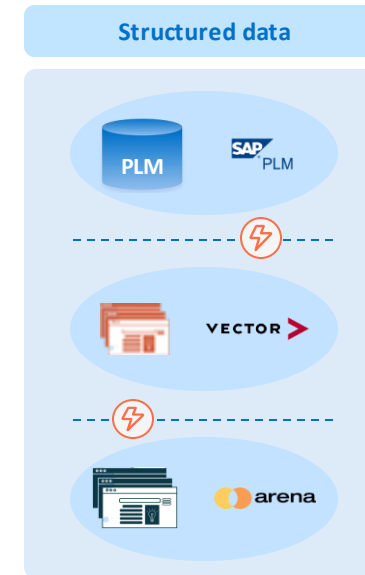
Product & org complexity are no longer manageable by human collaboration dependent on an analogue way of working which needs a lot of communication

A day in the life of an engineer...

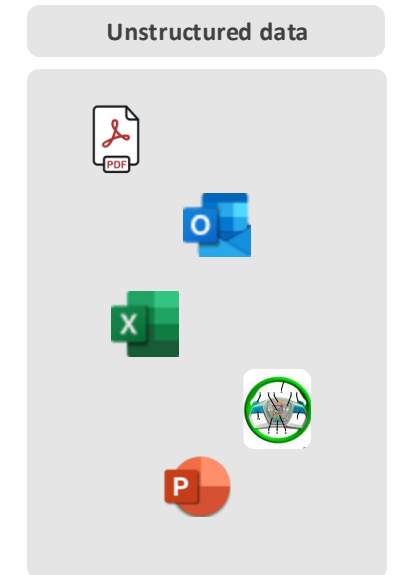
... spent chasing and reconciling critical data across many disconnected sources



⚡ Siloed structured data landscape without integration

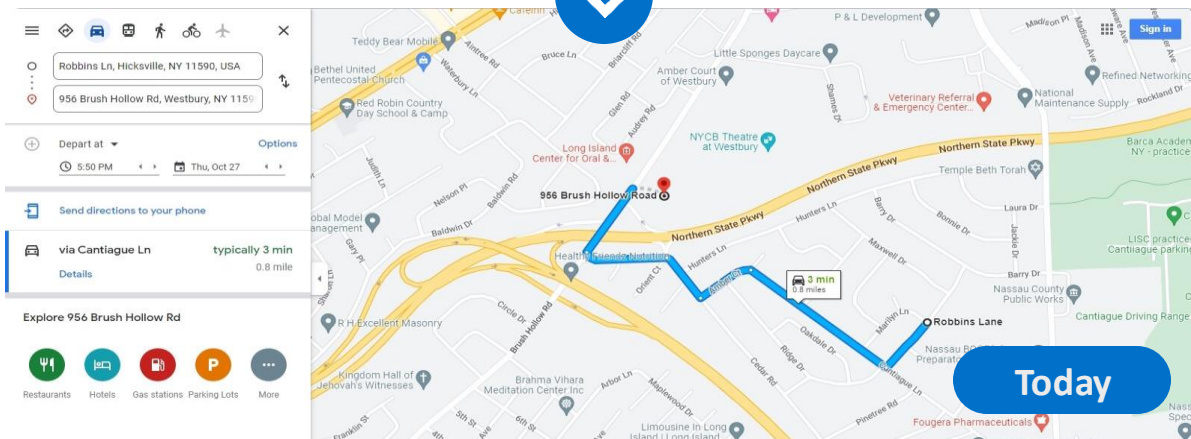
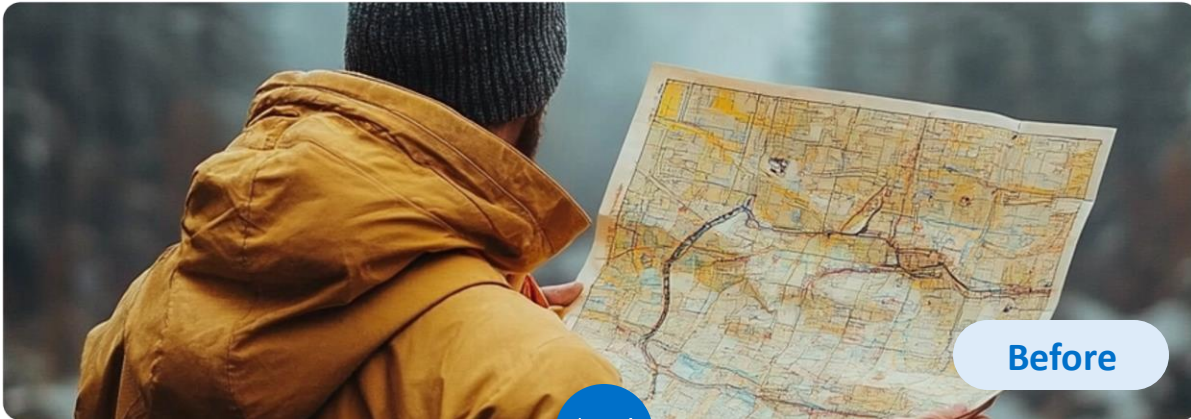


⚡ Broken linkages between (un)structured data



Like Google Maps simplified getting from A to B, we guide engineers from idea to a functioning vehicle grounded in product data in the entire lifecycle

Navigating in the real world



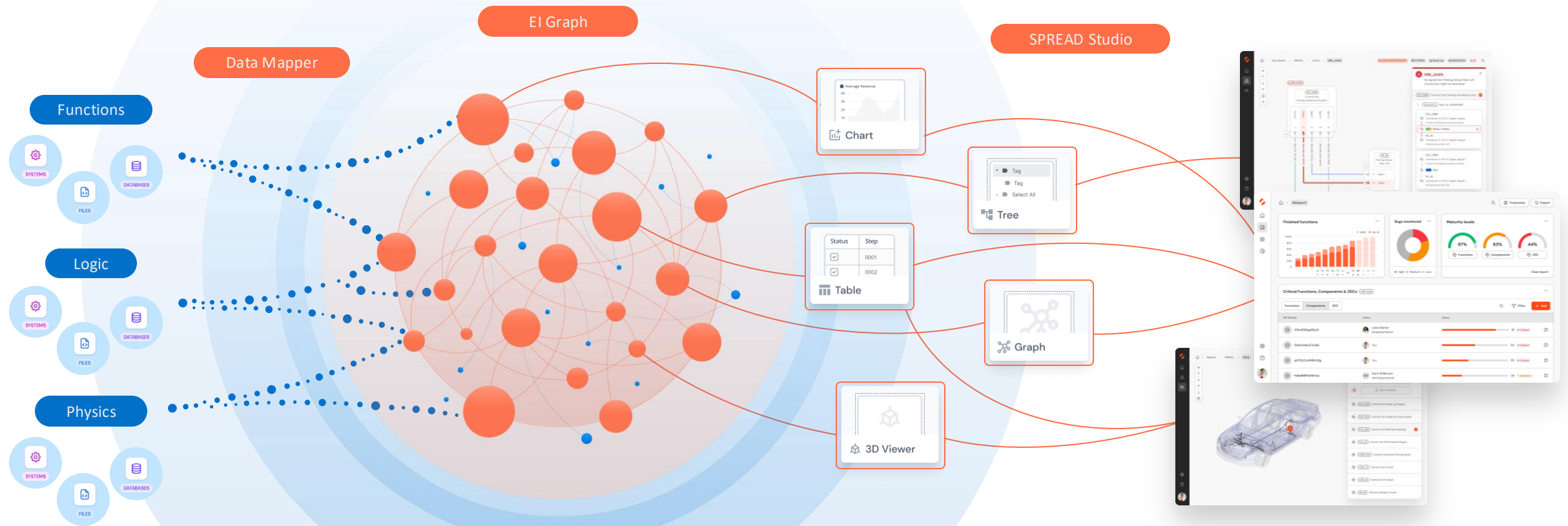
Navigating vehicle architecture(s)



Agentic Engineering Intelligence via integration of (un)structured data in real-time to provide holistic product understanding



How it works: 4 steps with the fastest time-to-value in the market



1. Connect the data required for each use case

2. Contextualize the data

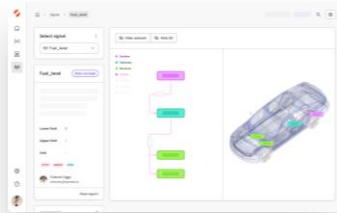
3. Configure solutions

4. Apply Agentic Engineering Intelligence

Engineering Intelligence Solutions Overview

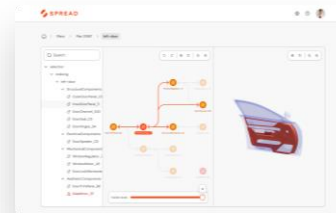
Product Explorer

Explore **product architecture** by navigating **requirements, configurations, and dependencies** across **variants and twins**.



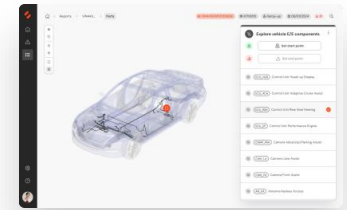
Product Architect

Define and refine **requirements, link functions, and design components** to align **R&D with Production** for seamless assembly



E/E Inspector

Identify and resolve **E/E issues** early by linking **errors to system dependencies** and uncovering recurring **patterns**.



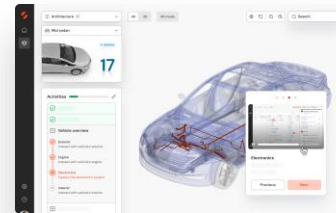
Action Tower

Sync **R&D, Production, and field data** to gain control over **releases, diagnostics, and product performance**.



Upskilling Coach

Bridge **knowledge gaps** for **Production and Aftermarket success** with accessible **product data**.



AI Agents

Orchestrate your operations with an intelligent network of **trained agents** to **automate and optimize processes**.



Core pre-configured Engineering Intelligence Solutions

EI Solutions

Product Explorer

Product Architect

E/E Inspector

Action Tower

Upskilling Coach

R&D

Navigate product architectures, explore configurations, dependencies, and features across variants

Define and refine requirements, link functions to features, design and optimize components across variants

Detect SW and E/E errors early, ensure full traceability, and link issues to system dependencies

Track product maturity, orchestrate releases, and manage changes with dependencies throughout R&D

Production

Generate assembly sequences and layouts, and align production requirements with R&D

Guide troubleshooting of SW and E/E errors in production by linking issues to system dependencies

Sync production line data with product data to gain full control over throughput, quality and error resolution

Provide live access to holistic product information and variant deltas, learning paths and guidelines

Aftermarket

Provide holistic product transparency, especially for E/E & SW components for aftermarket product management

Generate repair sequences, workflows, and manuals, and manage spare parts across configurations

Resolve SW and E/E issues by linking errors to system dependencies and uncovering recurring patterns

Connect field to product data, providing variant insights, trace root causes and detect product issues early

Provide live access to holistic repair instructions and variant deltas, learning paths and guidelines



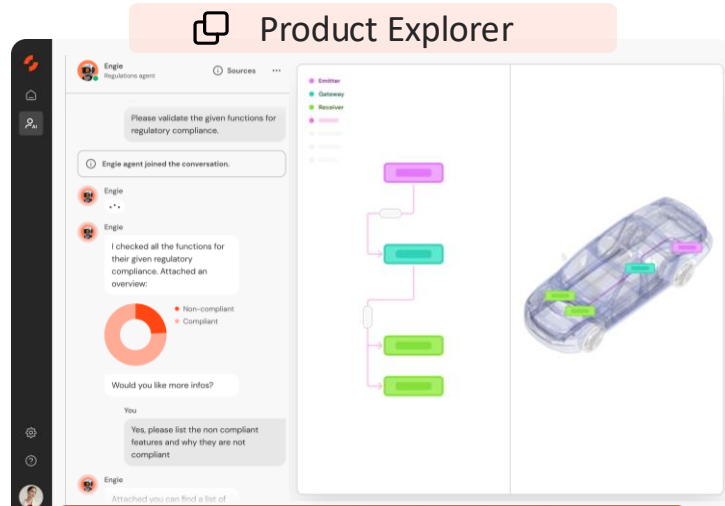
EI Agents

Our EI Solutions already empower clients to eliminate complexity from engineering workflows, driving massive cost savings, faster innovation and time-to-market (1/2)

R&D

Streamlined requirement agent

Agents simplify understanding of requirement books, linking them to product data for faster data integration and improved searchability, enhancing engineering efficiency and collaboration.

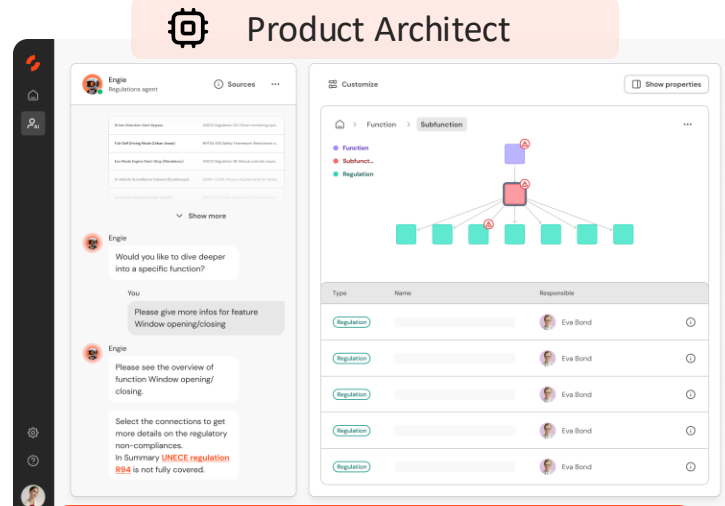


→ SAVINGS POTENTIAL €7M P.A.

R&D

Automated securing of engineering rules

Agents ensure real-time adherence to engineering rules during vehicle communication layer development, guiding engineers through complex guidelines to prevent errors.

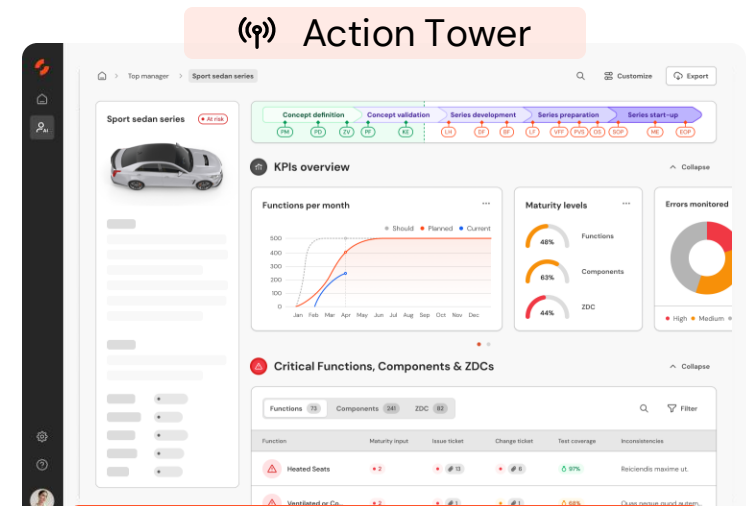


→ SAVINGS POTENTIAL €11M P.A.

R&D

Fact-based steering enabled by Action Tower

Transparent product maturity reporting resolves interdependency errors early near SOP, enabling 15% less capacity usage, leading to 12 months faster time-to-market.



→ SAVINGS POTENTIAL €11M P.A.

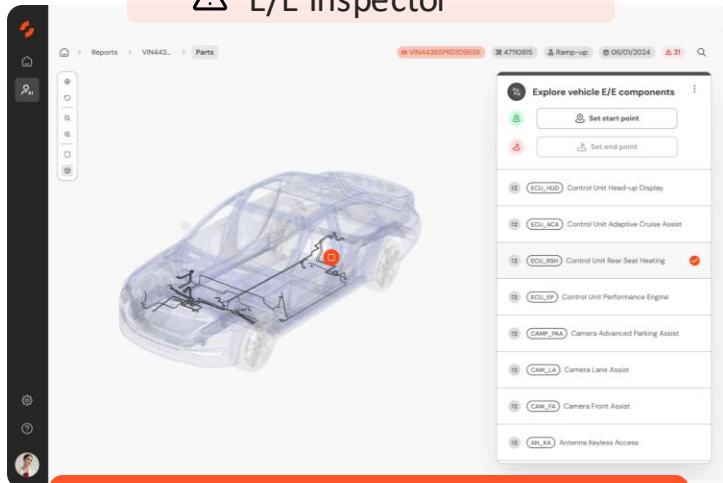
Our EI Solutions already empower clients to eliminate complexity from engineering workflows, driving massive cost savings, faster innovation and time-to-market (2/2)

Production

Guided troubleshooting for Error Management

SPREAD's E/E Inspector enables 75% faster troubleshooting, and increases first-pass yield, saving significant costs and boosting production output, achieving €19M annual savings per plant.

E/E Inspector



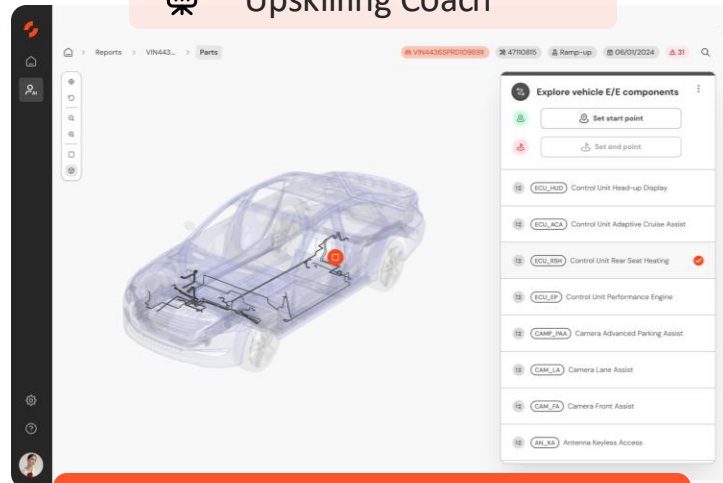
→ €19M SAVINGS PER PLANT P.A.

Production

Accelerated workforce upskilling

SPREAD's Upskilling Coach accelerates employee training, reduces onboarding time by 50%, and accelerate ramp-up phases, achieving more than €6M annual savings per plant.

Upskilling Coach



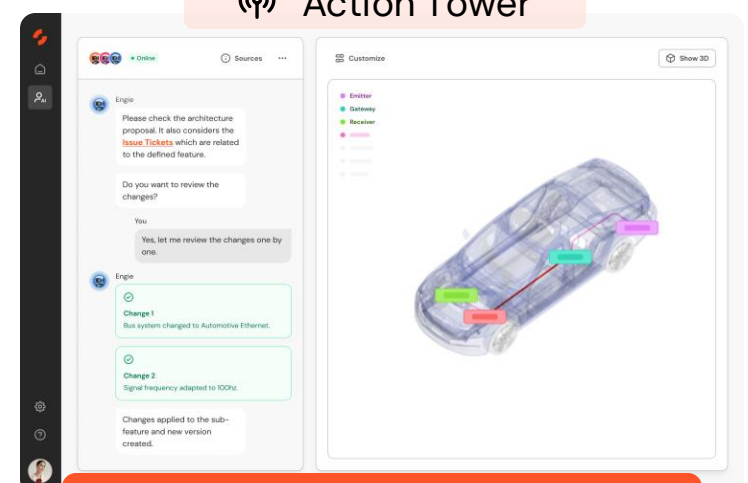
→ €6M SAVINGS PER PLANT P.A.

Aftermarket

Automated repair shop claim ticket assistant

Agents automate claim ticket analysis for technical support specialists, streamlining repair shop assistance and reducing processing time by 90%, improving handling cost for over 800,000 tickets annually.

Action Tower



→ €18M SAVINGS POTENTIAL P.A.

Customers recognize that SPREAD's capabilities are unique and hold game changing potential

"SPREAD's Agentic Engineering Intelligence platform is a unique source of potential for intelligent applications that already connects data across all our product lines. Going forward, *SPREAD's AI Agent strategy for generating engineering concepts will be a game-changer for the industry and could become one of the core tools for developing vehicles.*"

Our clients (selection)



DAIMLER TRUCK



"I rarely in my career have met a company that already *in the first meeting convinced me as much with their expertise and solution* as SPREAD did. Because of this, we are discussing to establish SPREAD as an essential element in the digital twin architecture of our entire company."

"We decided to work with SPREAD, as their solution can make the *holistic understanding of how a product really functions transparent* across its domains of mechanics, electronics, and software. In our changing industry, this understanding is essential to develop complex systems."

"Working with SPREAD enables us to manage today's immensely complex vehicle projects holistically based on product data. This will *result in savings of an eight to nine-figure amount for our company in the coming years.*"



How to get started with your Agentic AI journey: Initiate joint value discovery to tailor our solutions and develop a concrete proposal together

How we could work together to bring applied AI innovation to your organization

Deep Dive Use Cases

Meeting to prioritize relevant use cases and define implementation roadmap for use cases (e.g. combined with case deep dives).

Business Discussion

Collaboratively define feature requirements, ensuring alignment with your strategic priorities.

Solution Proposal

Conduct a comprehensive analysis to detail implementation timelines, enabling informed decision-making and seamless integration into existing processes.

Ready to join us on the journey to wide-spread Agentic Engineering Intelligence?

Let's talk!



Tomas Karlsson CTO



Robert Graser
VP Sales



Alex Matthey
VP Marketing

Learn more at spread.ai



