News in AI simulations: from chips to complex systems

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AI DAYS2025

TechSoft

Agenda

- TechSoft Engineering introduction
- Ansys part of Synopsys
- Virtual prototyping versus physical prototyping
- Ansys products portfolio
- News in AI simulations: from chips to complex systems

TechSoft Engineering Introduction

TechSoft

TechSoft in numbers

We work together to help companies in our region be competitive and truly innovative.

34
Years on market

34
Specialists

18
Years partner of Ansys

150+
Projects/ Benchmarks/Year

200+
Active customers

4
Locations (+ remote)

Our services

- **Ansys software**
  - Software delivery, sample tasks
- **We help our customers use Ansys technology correctly**
  - Optimize processes
  - Training and consulting
- **Necessary outputs delivery**
  - If you do not have the capacity or regular use for Ansys technologies, we will perform the necessary calculations and deliver the outputs
- **In addition to Ansys, we also supply technologies from the PTC portfolio**
  - CAD, industrial Internet of Things, augmented reality
  - PTC Ansys powered Solutions

Selected references

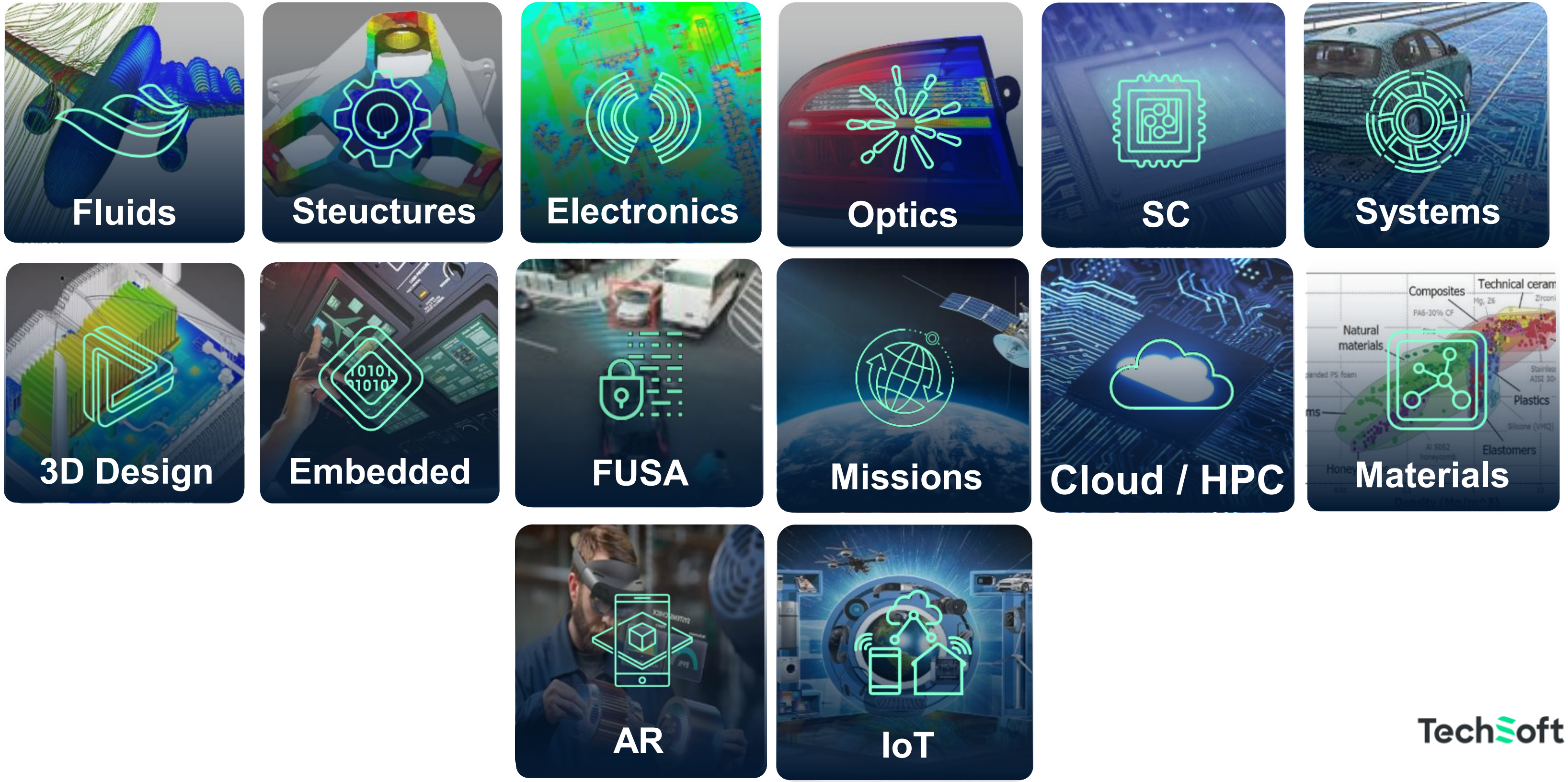
DOOSAN
ÚJV
ses tlmače
Danfoss Power Solutions
Hanon SYSTEMS

ČVUT ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE
DAKO-CZ
PBS Velká Bíteš
Howden
ZVVZ ENVEN engineering
RIZZO ASSOCIATES
BMT MMM Group

Aero | VODOCHODY
GCE® Gas Control Equipment
TATRA
Continental
HVM PLASMA
ZÁPADOČESKÁ UNIVERZITA V PLZNI

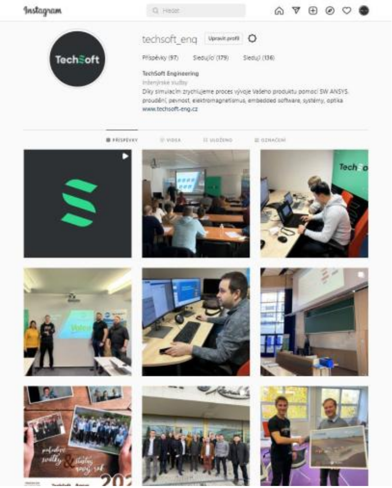
EKOL
MOTORPAL
ŠKODA TRANSPORTATION
VÚEZ
JABLOTRON CREATING ALARMS
SIEMENS Ingenuity for life
ABB

Areas of solutions

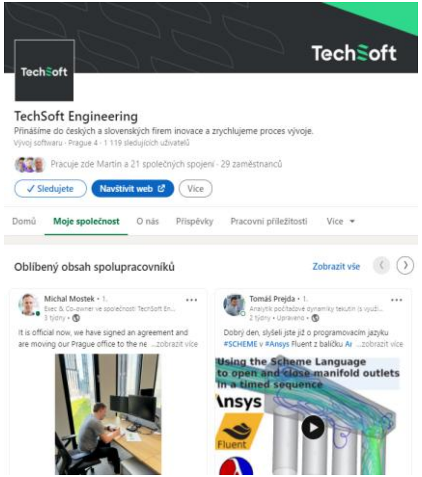


Where to find us?

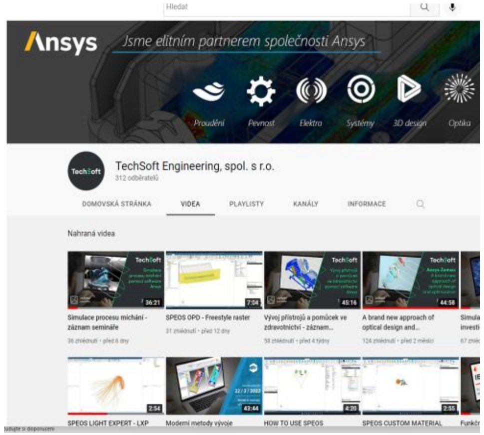
Instagram
techsoft_eng



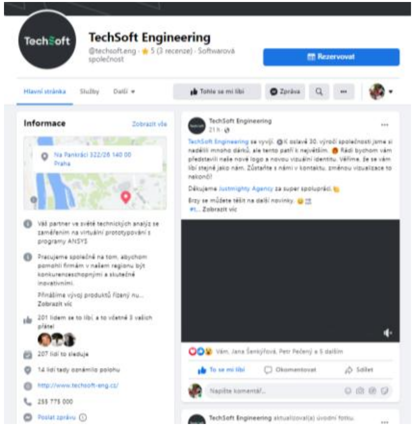
LinkedIn
Techsoft engineering



YouTube
Techsoft engineering



facebook
techsoft.eng



Ansys part of Synopsys

Ansys

part of SYNOPSYS®

TechSoft

Ansys part of Synopsys

- **Ansys has officially become part of Synopsys.**
- The merger of two leaders in engineering simulation and design will bring customers **more innovation and added value.**
- **No changes in our cooperation –** we will continue to be your **partner for licenses, new products, and technical support.**

Ansys and Nvidia partnership

Virtual prototyping versus physical prototyping

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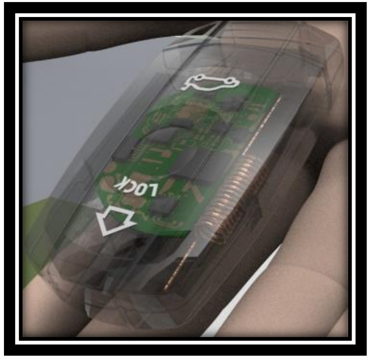
Ansys

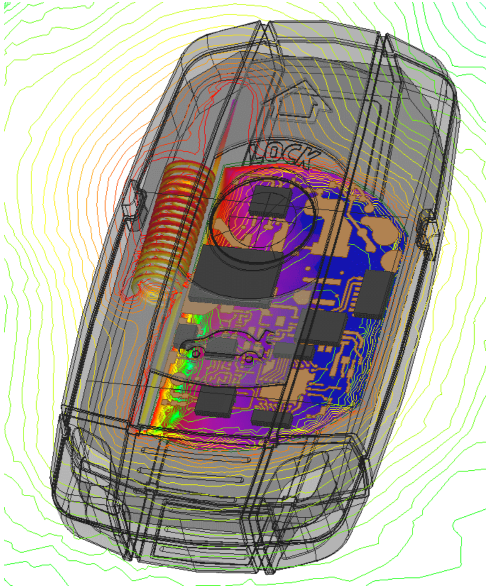
part of synopsys®

Virtual prototyping versus physical prototyping

REAL PRODUCT



NUMERICAL MODEL – VIRTUAL PROTOTYPE



Traditional workflow

Do design following some EMC rules

Build prototypes and do bench tests

PCB Integration

Design Review

Perform EMC Tests

PRAY

Ansys CPS Technologies For Electronic Systems

Ansys multiphysics capabilities enable success beyond silicon. Chip-Package-System (CPS) bonds all things together.

Power Budgeting

RTL Power Analysis, Reduction

IP Validation

- IR, EM and DvD
- Model for SoC

Timing

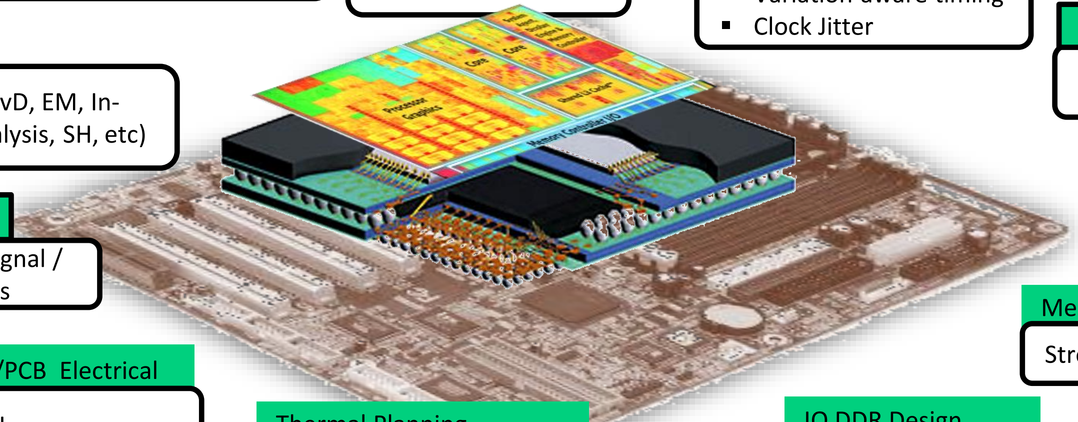
- Variation aware timing
- Clock Jitter

SoC PDN, RV

Power Integrity (IR, DvD, EM, In-rush, Chip-Pkg co-analysis, SH, etc)

ElectroMagnetics

- On-die EM modeling
- Inductor Synthesis



ESD protection

On-die & System-level ESD sign-off

IC -> System

- Chip Power / Signal / Thermal models

Mechanical Stress

Stress, Warpage

Package/PCB Electrical

SI/PI/EMI

Thermal Planning

- Chip-aware system thermal
- On-die Self-Heat analysis

IO DDR Design

- IO ring verification
- System jitter prediction

Power, Power-Integrity, Reliability, SI, and EM Solutions across Chip-Package-System

Ansys products portfolio

Ansys

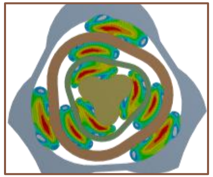
part of SYNOPSYS®

TechSoft

Structures Product Collection

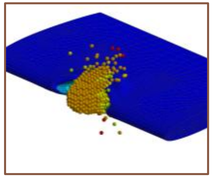
Ansys structural analysis software enables you to solve complex structural engineering problems and make better, faster design decisions. With the finite element analysis (FEA) solvers available in the suite, you can customize and automate solutions for your structural mechanics problems and parameterize them to analyze multiple design scenarios.

Mechanical



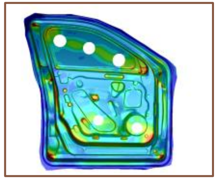
Provides in-depth analysis of structural and coupled-field behaviors for broad structural analysis needs through a suite of finite element analysis (FEA) solutions.

LS-DYNA



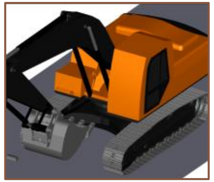
Integrates into Ansys Mechanical for powerful explicit simulations. A large array of capabilities and material models enable complex models with great scalability.

Forming



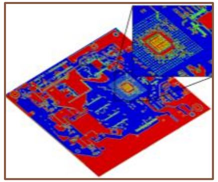
Simulates all metal stamping tasks through an end-to-end workflow that allows users to perform entire die process in a single platform.

Motion



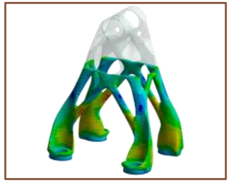
Analyzes rigid and flexible bodies, capable of accurate evaluation of physical events through the analysis of a whole system via a multibody dynamics solver.

Sherlock



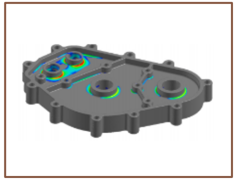
Provides fast and accurate life predictions for electronic hardware at the component, board, and system levels in early design stages.

Additive Solution



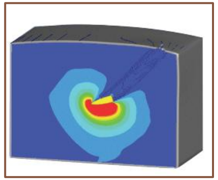
Minimizes AM process risk to ensure high quality, certifiable metal parts. A comprehensive and scalable software solution that includes Prep, Print and Science.

nCode DesignLife



Uses finite element analysis (FEA) from Ansys Mechanical and Ansys LS-DYNA for fatigue prediction simulation to determine a product's predicted life through accumulated damage from repetitive loading.

Autodyn

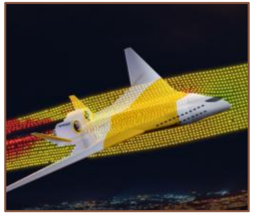


Calculates the response of materials to short duration, severe loading from impact or explosions.

Fluids Product Collection

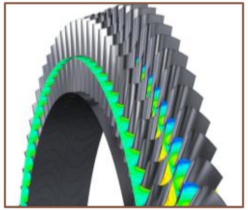
Best-in-class Ansys CFD solvers extend the limits of what is possible, so you can maximize your product's performance and efficiency. You can use Ansys CFD analysis to innovate with breakthrough capabilities in turbomachinery, turbulence, combustion, and in-flight icing.

Fluent



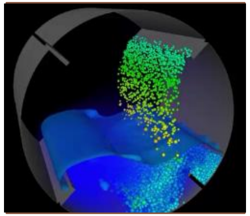
Optimizes product performance via the world's most powerful, widely known, general-purpose computational fluid dynamics (CFD) tool. Known for advanced physics modeling capabilities and industry-leading accuracy.

CFX



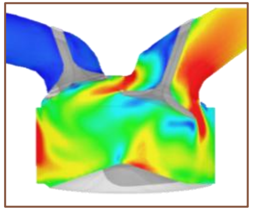
Addresses turbo-machinery challenges with industry-leading CFD software, known for being the gold standard in accuracy with extensive turbo-machinery industry validation.

Rocky



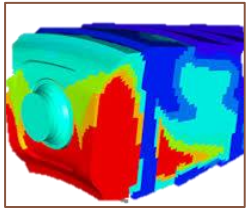
Simulates efficiently the motion of granular and discontinuous material via the industry-leading discrete element method (DEM) software.

Forte



Models internal combustion engines and rotating machinery quickly and efficiently. A specialty simulation tool with state-of-the-art chemistry and meshing.

Chemkin-Pro

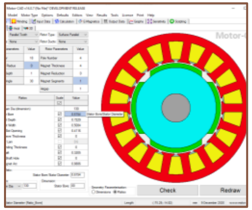


Offers accurate and efficient specialty chemistry simulation software for modeling complex chemical reactions. Known for its speed, accuracy and extensive validation.

Electronics Product Collection (continued)

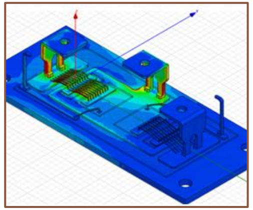
Ansys Electronics solutions help you solve the most critical aspects of your product designs through simulation. If you work with antennas, RF electronics, PCBs, cables, chip packages, electric motors and EV powertrains, we provide you with industry gold standard simulators. Ansys solves electromagnetic, thermal, SI, PI, parasitic, cabling, filter and vibration challenges in your designs. Ansys Electronic products allow you to achieve first pass success in developing 5G/6G systems, automotive electronics, drones, satellites, aircraft, motors, phones, tablets, smartwatches, earbuds, AR/VR goggles, wireless chargers, power supplies, and many other electrical & electronics (E/E) systems.

Motor-CAD



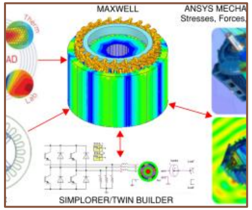
Dedicated electric motor design tool for fast multiphysics analysis. Enables motor and design engineers to evaluate motor topologies across the full torque-speed operating range to optimize motor performance, efficiency, and size.

Q3D Extractor



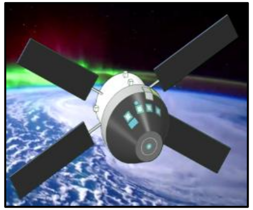
Calculates the parasitic parameter of frequency-dependent resistance, inductance, capacitance, and conductance (RLCG) for electronic products. Simulate and design electronic packaging and power electronic devices.

Maxwell



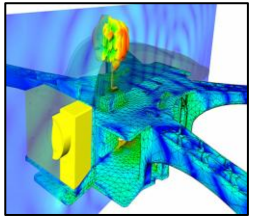
Delivers a design-to-validation workflow including EMI/EMC certification support, and cable harness modeling. EMC Plus is a platform-level electromagnetic modeling and simulation tool.

Charge Plus



Focuses on charging and discharging phenomena. It simulates electric arcing in air, surface and internal charging, particle transport and dielectric breakdown helping the user assess and manage risks associated with excessive charge build up in the system.

HFSS



Provides automated design, synthesis and optimization of RF, microwave and digital filters in an efficient and straightforward process. FilterSolutions automatically sets up filter analysis and optimization in the Ansys HFSS electromagnetic simulator.

Optics Product Collection

Ansys Optics solutions offer robust design, optimization, and verification simulation software backed by world-class support. These tools empower designers to expedite the development of groundbreaking optical products while improving performance, reliability, and yield. With a suite of top-tier physics solvers, Ansys Optics provides user-friendly workflows for precise multiscale system design, from the nano to macro scale, enabling the design of diverse applications across various industries.

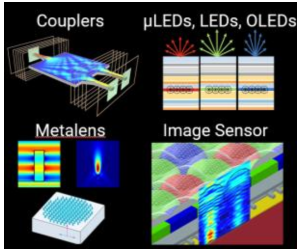
Speos

Predicts the illumination and optical performance of systems to save on prototyping time and costs while improving your product's efficiency.

OpticStudio

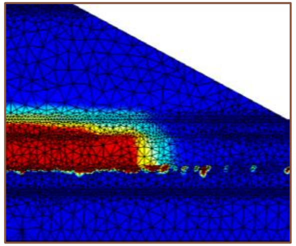
Advanced optical design software for designing, optimizing, and analyzing optical systems while considering multiphysics effects like structural and thermal perturbations on performance.

Lumerical FDTD
Lumerical MODE



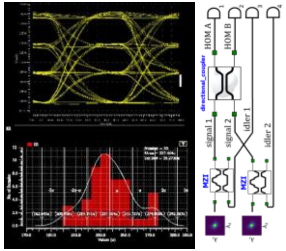
Lumerical FDTD provides the gold-standard for modeling nanophotonic devices, processes and materials (FDTD and STACK solvers). Ansys Lumerical MODE enables optical waveguide and coupler design.

Lumerical Multiphysics



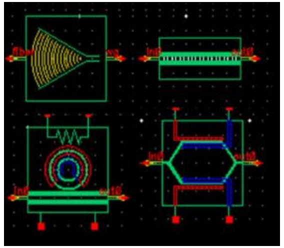
Supplies multiphysics-style simulation capabilities and workflows to model optical, electrical and thermal effects at the physical level (CHARGE, DGTD, FEEM, HEAT, and MQW solvers).

Lumerical INTERCONNECT



Provides a dedicated design environment for simulation of classical and quantum photonic integrated circuits.

Lumerical CML Compiler

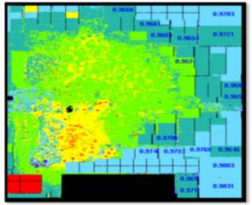


Automates the creation, maintenance and QA testing of INTERCONNECT and Verilog-A photonic compact model libraries (CMLs).

Ansys Semiconductor Product Collection

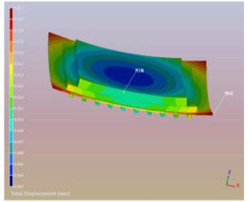
Ansys' broad and deep set of multiphysics products accurately analyze power integrity, thermal, variability, electromagnetic, mechanical and other physics in a way that captures their complex interdependencies across the spectrum of chip, package, and system to bring you first-time silicon and system success.

Redhawk-SC



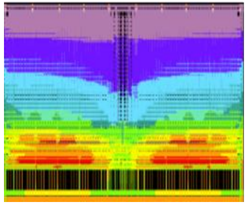
The gold standard for semiconductor power integrity and reliability solutions for the entire power delivery network, from chip to package to board. Link

Redhawk-SC Electrothermal



Analyzes electrical, thermal, and mechanical behavior of multi-die 2.5D and 3D IC packages. Integrated with Ansys like Icepak. Link

Totem



Transistor-level power integrity and reliability simulation platform for analog, mixed-signal and custom digital designs. Link

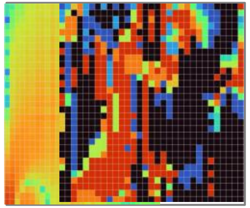
PowerArtist

Industry-leading register-transfer-level (RTL) design-for-power platform to analyze, debug and reduce power early in the RTL stage. Link

PathFinder-SC

For planning, verifying and signing-off IP and full-chip SoC designs for electrostatic discharge (ESD) integrity. Link

RedHawk-SC Security

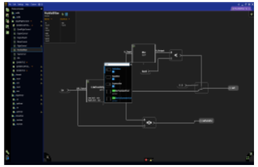


A pioneering EDA solution for pre-silicon hardware security simulation, of power, power-noise, electromagnetic, and other side-channel vulnerabilities.

Embedded Software Product Collection

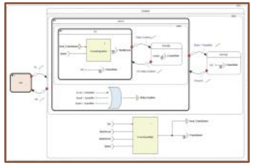
Ansys provides a model-based embedded software development and simulation environment with a built-in certified automatic code generator so you can align the design process according to your safety standard objectives, reduce development costs, and accelerate time to certification.

Scade One



A model-based solution for the development of embedded applicative software; enables a seamless Model-Based Systems Engineering (MBSE) process.

SCADE Suite

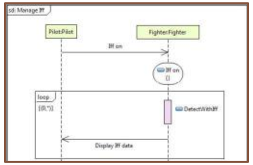


Provides a model-based development environment for design and verification of critical embedded software, as well as safety-certified code generation.

SCADE Display

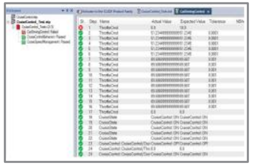
Facilitates embedded graphics, display and HMI development, along with safety-certified code generation.

SCADE Architect



Provides system and software architecture modeling capabilities with full support for industrial systems engineering processes.

SCADE Test



Provides everything you need to test, verify and validate your applications and achieve reliable embedded software.

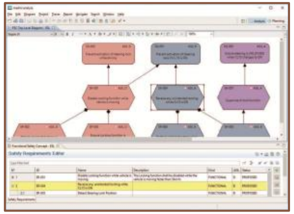
Safety Analysis Product Collection

Ansys Safety Products support efficient application of quality, safety, reliability and cybersecurity analysis engineering methods at various design levels based on SysML. They allow you to deliver safe and secure products that comply with standards like ISO 26262, IEC 61508, ARP 4754A/ARP 4761, ISO 21448, and ISO 21434.

Digital Safety Manager

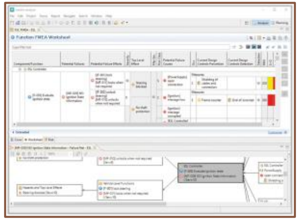
Enables a comprehensive view of safety projects by acting as a central hub for planning, controlling, gathering data, and automation of process steps.

medini analyze



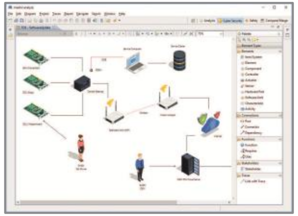
Implements all key safety analysis methods in one integrated tool. It supports the efficient and consistent execution of the analysis activities that are required by safety standards.

medini analyze for Semiconductors



Supports key safety analysis methods at various levels of a chip, ranging from IP design of integrated components up to SoCs and electronic boards.

medini analyze for Cybersecurity



Carries out a system-oriented cybersecurity analysis strategy to quickly identify vulnerabilities and design weaknesses and address them to mitigate any real-world threats.

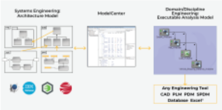
Connect Product Collection

Ansys Connect is a toolset for creating a simulation digital thread. It offers MBSE, Materials, SPDM and optimization capabilities for connecting engineering processes, technology and data. It is based on open ecosystem software that readily connects with existing engineering tools.

This amplifies the benefit of physics simulation during product development enabling simulation earlier in design, accessible by more users, helping bring complex products to market faster. 1

ModelCenter

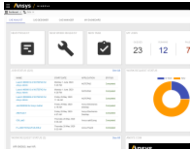
Connect analysis to models



Empowers engineers to create and automate multi-tool workflows, optimize product designs, and enables Model-Based Systems Engineering (MBSE) by connecting requirements to analysis.

Minerva

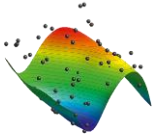
Manage simulation input & output



Enterprise-level simulation process and data management (SPDM) solution. Enhances engineering productivity with a vendor-neutral, intuitive and easy-to-use interface catering to all simulation workflows.

optiSLang

Optimize & automate simulation



Allows vendor-neutral process integration for evaluation of optimal product design alternatives for cost and performance benefits. An enterprise-level process integration and design optimization solution.

MDS

Add basic material data to simulation

Supports simulation analysts with a focused materials dataset. It is embedded directly into Ansys flagship products: Mechanical, Electronics, Fluent and Discovery.

Granta Selector

Select best material for simulation

Helps find the optimal materials for your applications. An intelligent materials selector that combines powerful software tools and extensive property data.

Granta MI

Manage materials information for simulation

Offers enterprise-wide materials information management to store, control, and analyze. MI Pro, a fast-start materials information management solution for design and simulation, is also available.

Autonomous Vehicle Simulation Product Collection

Ansys Autonomous Vehicle Simulation gives you a complete solution designed specifically to support development, testing and validation of safe automated driving technologies. Based on a unique combination of real time and physics- based simulation, AVxcelerate allows you to generate synthetic data that you can trust. Save significant time and costs vs. traditional development and testing methods by testing your drive designs on a virtual vehicle in a real-world environment.

AVxcelerate Autonomy

Ansys AVxcelerate Autonomy is an end-to-end safety-driven toolchain combining statistics and simulation at scale to perform sensitivity and reliability analysis critical for developing ADAS/AD functions. Extensively reduce cost and time to market by quickly performing verification of designs and providing safety justification with traceable data to achieve L2+/L3 signoff and homologation.

AVxcelerate Sensors

Provides end-to-end real time physics-based models of sensors like camera, radar, LiDAR and thermal cameras to support the verification and validation activities of complex ADAS systems and autonomous vehicles.

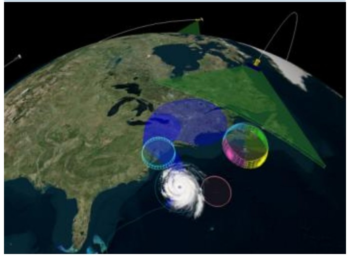
AVxcelerate Headlamp

Offers fully virtual night tests for testing in a controlled environments with control software in the loop, up to Pixel beam systems. Also, helps to pass virtual regulations from the earliest stages of the design phase.

Mission Engineering Product Collection

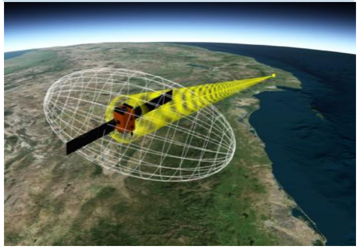
Combining Ansys' market-leading physics-based simulation engines with AGI's digital mission engineering software extends analysis to every phase of your program life cycle — concept, development, deployment and throughout operations and sustainment.

Systems Tool Kit (STK)



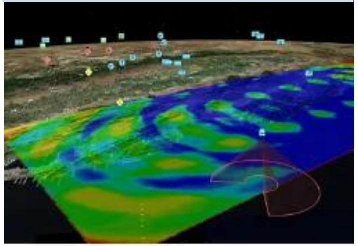
Analyzes and visualizes complex systems in the context of the mission. Creates multidomain scenarios that extend simulations beyond systems to the operational environment. Simulates intended missions and communicates the results with reports, graphs and stunning 3D animations.

Orbit Determination Tool Kit (ODTK)



Processes a wide variety of traditional and non-traditional measurements using a state-of-the-art optimal sequential filter and matched smoother to generate orbits with realistic covariance. Tracks objects from the ground, space, sea, and air using any kind of phenomenology.

DME Component Libraries

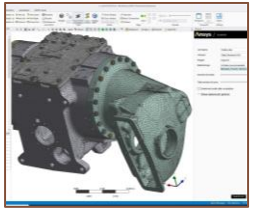


A collection of low-level development libraries that is well suited for developers of both custom desktop applications and web-first architecture. These Java and .NET DME component libraries provide foundational capabilities modeled after STK's design and analysis workflows.

Cloud Product Collection

Ansys provides quick, easy access to public computing resources that will supercharge your simulations and accelerate the product design process. With both managed and self-service options, Ansys gives you the flexibility to take full advantage of nearly unlimited computing power when you need it most. Explore more design alternatives and run larger simulations without the limitations of on-premises hardware.

Ansys Cloud Direct



Provides access to on-demand, cloud-based computing resources, including both interactive workstations and HPC clusters. Delivers faster, high-fidelity results with greater performance **insight**.

Ansys Gateway powered by AWS

Ansys Gateway powered by AWS is the solution for developers, designers, and engineers who want to manage their complete Ansys Simulation & CAD/CAE developments in the cloud..

Microsoft Azure

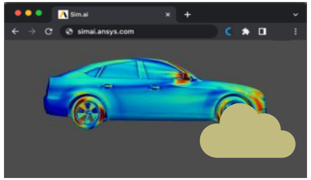
The partnership with Microsoft empowers customers to swiftly sole the most challenging engineering problems - substantially increasing productivity, cutting development costs, and expediting time to market.

Ansys AI Product Collection

Ansys AI solutions are for engineers and designers who need to quickly explore and test new design concepts from the early design phases. Ansys AI not only speeds up the design process but also leads to more innovative and efficient solutions in engineering simulations. It offers faster, easy-to-setup simulations accessible to a wider engineering audience and re-imagines the user experience through natural language interactions.

SimAI

Cloud-Enabled ML platform for simulation across physics



Extremely fast and accurate physics predictions which learns from existing data

AnsysGPT

Virtual assistant tailored for simulation users

Natural language assistant for documentation, training leading to more efficient and natural user experience

AI+

AI Add-ons to Ansys products across the portfolio

AI Add-ons to various Ansys simulation products that enhance simulation across physics

News in AI simulations: from chips to complex systems

Jarda Plešinger
plesinger@techsoft-eng.cz
Michal Moštěk
Mostek@techsoft-eng.cz

AI DAYS2025

TechSoft

Many challenges exist in complex product development

Need for multiple design and test iterations to identify new design ideas and reach optimal designs

Designers don't use simulations early due to a lack of experts, leading to late discovery of design issues.

Too time consuming to test many design options, leading to fewer innovations or long time to market

Ideal solution: AI Augmented Simulation

Speed

AI generates performance predictions almost instantaneously, enabling rapid design iterations.

Accuracy

AI predictions are sufficiently accurate for early-stage design decisions, approximating real-world performance closely.

Usability

Modern AI tools simplifies simulation experience, offering valuable insights through a user-friendly web-based environment.

Innovation Enablement

AI empowers engineers and designers to explore innovative design concepts by providing quick and reliable predictions.

Ansys AI – Transforming Simulation at the Speed of AI

Ansys AI

Accelerate Simulation

Ansys SIMAI

Ansys TWINAI

Extremely fast and physics agnostic predictions which learns from existing data. AI Standalone products.

Empower your solvers & Generate Data

Ansys AI+

- STRUCTURE AI+
- CFD AI+
- ELECTRONICS AI+
- SYNMATRIX AI+
- GRANTA AI+
- MISSION AI+
- OPTISLANG AI+

AI Add-ons to Ansys products across portfolio that enhance simulation.

Assist your tasks

Ansys / ENGINEERING COPILOT

Ansys GPT

Natural language assistant for documentation, training, support. Your AI powered assistant within Ansys products.

SimAI
Unleash the power of AI

Unleash the power of AI for your design with Ansys SimAI

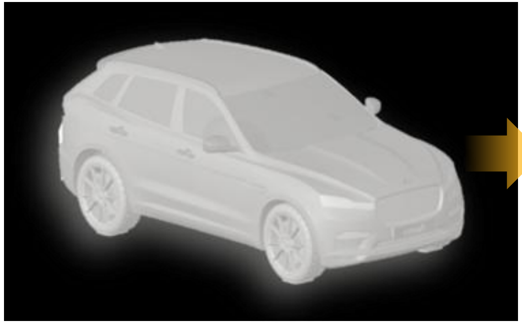
Ansys SimAI is our new cloud-based AI platform for Simulation:

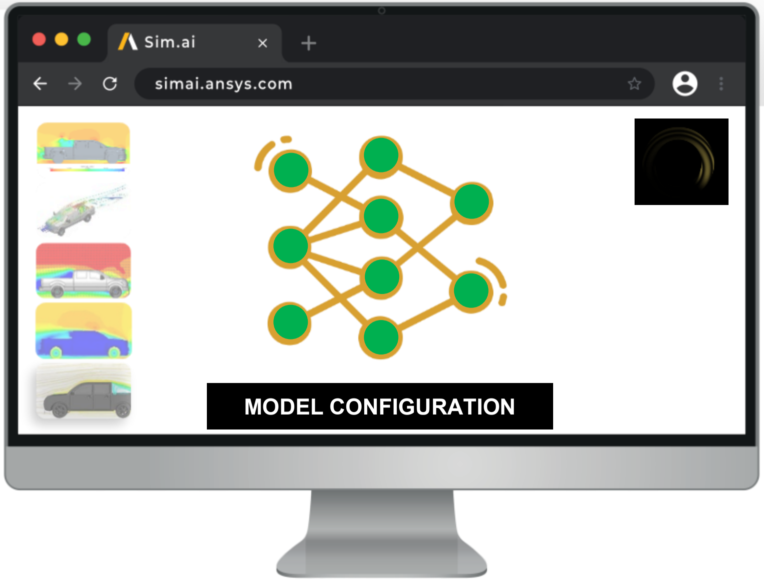
- **Train the AI without having to parametrize your geometry**
- **Predict performance across design changes, even when the geometry structure is inconsistent**
- **Leverage previously generated simulation results to train the model**

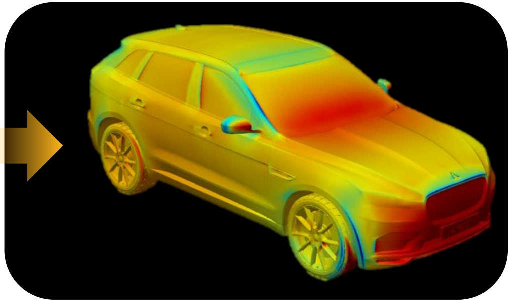
Ansys SimAI is physics-neutral:

- **Any physics – Fluids, Structures, Electromagnetics, Optics**
- **Across all industry segments – Aerospace, Automotive, Semiconductor, etc...**
- **Works with any 3D simulation data, whether it is Ansys or not.**

Predict at the Speed of AI







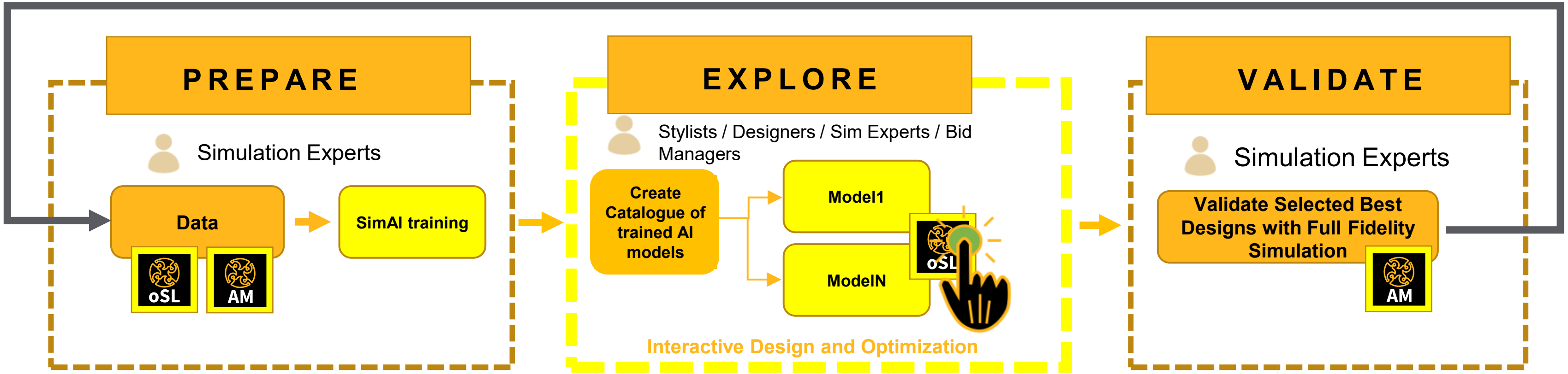
1 – UPLOAD
Your Past Data

2 – TRAIN
Your AI model

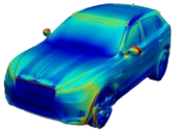
3 – PREDICT
In minutes

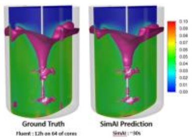
Predict at the Speed of AI

Ansys SimAI makes simulation more accessible to a wider audience



FLUIDS



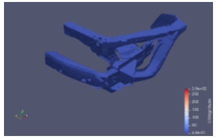


Vehicle Aerodynamics

Thermal management

Cooling design

STRUCTURES

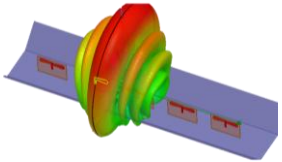


Generative design

Impact performance

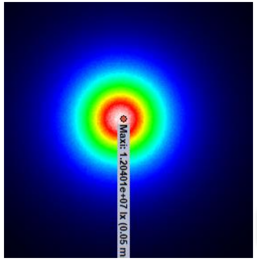
Stress + deformation

ELECTRONICS



Antenna design & placement
Magnet placement
PCB EM losses and forces
Electric motor design

OPTICS



Illumination

Ansys SimAI – In your organization

3D simulation and test results

Simulation Analyst | Test Engineer | Method Engineer

Your catalog of trained AI models

Sedan Aero	SUV Wheel	SUV Battery	Sedan Radar
Compact Aero	MPV Crash	Micro Gearbox	SUV EMC
SUV HVAC	Sports Crash	Compact E-motor	SUV Lidar

AI prediction

Simulation Analyst | Chief Architect | Project Manager | Designer | System Engineer

Upload your data

1min per Gb

Train your AI models

48 h

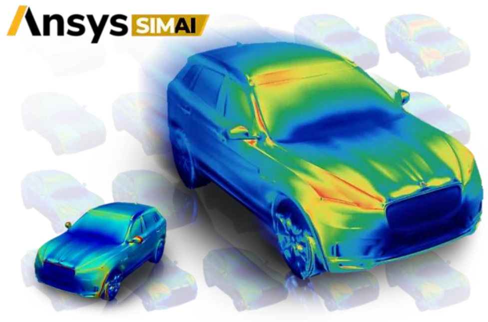
Predict new designs

30 s

Testimonial by Renault Group

"With Ansys SimAI, we will be able to easily test a design within minutes and rapidly analyze the results, **ultimately redefining our digital engineering workflow** and reshaping our perception of what is possible. By enhancing simulation speed, **we can explore more technical possibilities** during the upstream phase of our projects and reduce the overall time-to-market."

William Becamel
Expert Leader in Numerical Modelling and Simulation | Renault Group



Source: *https://www.ansys.com/news-center/press-releases/1-9-24-ansys-launches-simai*

AnsysGPT
Get help with your tasks

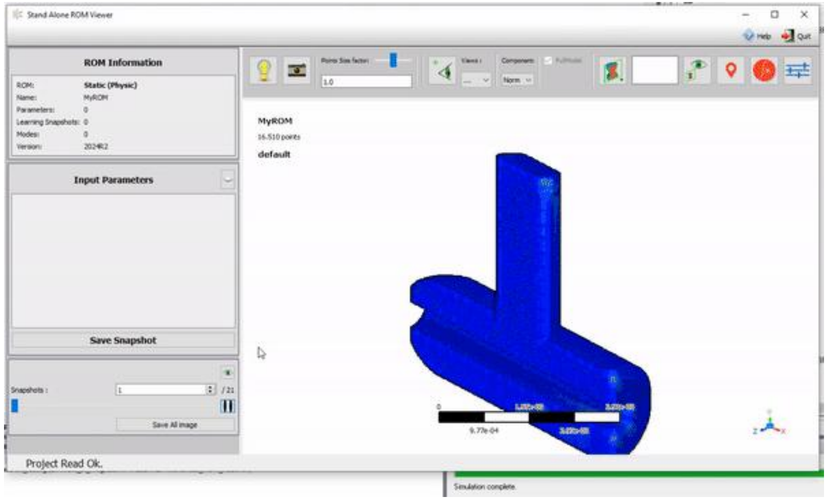
AnsysGPT

AnsysGPT

An AI-driven virtual assistant with Ansys specific knowledge

- 24/7 Support
- Ansys Trained
- Reliable Resources
- Learning Content Recommendations
- Multilingual Conversations

Introducing Ansys TwinAI: AI-Powered Digital Twins



Value Proposition:

Ansys TwinAI seamlessly combines insights from real-world data, powered by cutting-edge AI techniques, with the accuracy of physics models. Ansys TwinAI delivers unmatched accuracy* and speed and unleashes the full potential of your Digital Twins.

Capabilities and Strengths:

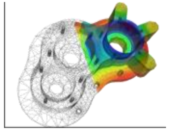
→ AI for fast, accurate, evolving Twins

→ Reduced order modeling for Physics and Data

→ Easy path to scaled deployment

**An accuracy of 98% achieved compared to 80% with pure ML methods. Details in IEEE publication Hybrid Digital Twins: A Primer on Combining Physics-Based and Data Analytics Approaches*

Ansys TwinAI Key Differentiators



Bring your Physics or Data into Ansys TwinAI through **ROMs** → **Reduce simulation time from hours to seconds thanks to Reduced Order Models (ROM).**

Incorporate sensor data to improve the model through **AI** → ***An accuracy of 98% achieved compared to 80% with pure machine learning methods.**

Scaled deployment on the cloud or on the edge. → **Microsoft® Azure® IoT, Microsoft Azure Digital Twins, PTC ThingWorx®, Automation Emulate 3D, AND Rockwell Studio 5000.**

Your technical assistant

Ansys / ENGINEERING COPILOT

Home — Search **all Ansys pages**

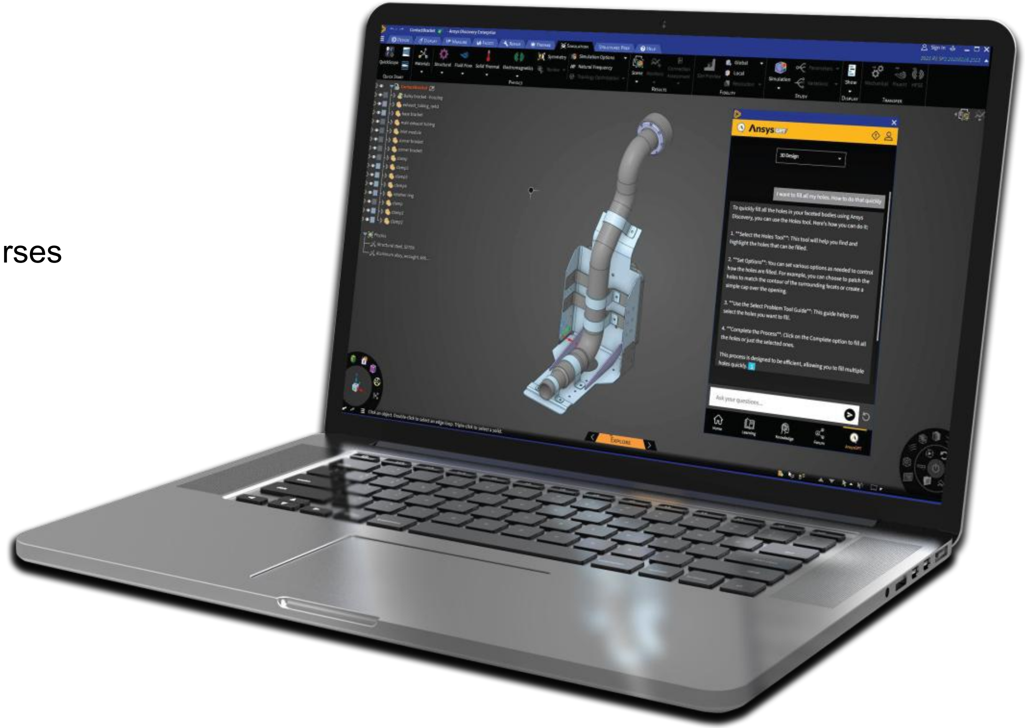
Learning — Access to over **1000+** Ansys Innovation courses

Knowledge — Thousands of **articles with information**

Forum — **Ansys Global** User Forum

Support — **Creating and tracking** support cases

AnsysGPT — 24/7 multilingual **Virtual Assistant**



Ansys AI+

Expand the capabilities of your solvers and generate data

Ansys AI+: AI features packaged as add-on modules

Ansys AI+

optiSLang AI+	Granta MI AI+	CFD AI+	SynMatrix AI+	Structure AI+	Mission AI+	Electronics AI+	Semiconductor AI+
Create predictive models from automated DoE	Predict process parameters that can achieve material property targets.	ML tuning of the GEKO turbulence model	Tuning and optimizing RF filters using deep learning	Predict computing resources based on past simulations	AI/ML providing spacecraft orbit solution evaluation	It uses machine learning to accurately predict simulation needs, leading to optimized resource allocation and minimized wait times.	Integrated ML-based networking with decay curve technology for RedHawk

We are ready to help you solve your tasks