

Powering the Era of Pervasive Intelligence with Silicon-to-Systems Design Solutions

Three major technology trends—artificial intelligence, silicon proliferation, and software-defined systems—are shaping a new era of pervasive intelligence where AI and smart technologies are seamlessly integrated into the fabric of our daily lives. Synopsys is a driving force of these trends, delivering the silicon-to-systems design solutions that have been essential to enabling them. Synopsys empowers technology innovators across markets with the industry's most comprehensive and trusted solutions to develop autonomous machines, data centers, and billions of smart, connected technologies.

PURPOSE
To power innovation today that ignites the ingenuity of tomorrow

MISSION
Empower innovators to drive human advancement

VALUE PROPOSITION
Maximize customers' R&D capabilities and multiply their productivity

~28,000
employees

~$9 billion
revenue (TTM)

>25%
R&D investment

Synopsys is the leader in engineering solutions from silicon to systems, enabling customers to rapidly innovate AI-powered products. We deliver industry-leading silicon design, IP and simulation and analysis solutions. We partner closely with our customers across a wide range of industries to maximize their R&D capability and productivity, powering innovation today that ignites the ingenuity of tomorrow. Companies trust Synopsys to pioneer new technologies to help them get to market faster, without compromise.

#1 in EDA
Leader in advanced node designs; pioneer in AI-powered EDA

#2 in Silicon IP
Leader in foundation and interface IP; pioneer in IP nodes & standards

#1 in Simulation & Analysis
Leader in multiphysics; pioneer in simulation-related AI and digital twin technologies

Synopsys + Ansys

Synopsys acquired Ansys on July 17, 2025, creating a leader in engineering solutions from silicon to systems. This powerful combination brings together Synopsys' silicon design and IP solutions with Ansys' simulation and analysis portfolio to deliver end-to-end innovation.

Provides

Comprehensive solutions for the entire silicon design process including multi-die simulation & analysis

Extends

AI leadership in EDA and simulation to accelerate customers' innovation

Accelerates

Creation of intelligent products by bringing silicon expertise across systems verticals

Design Innovation Across Markets and Technologies

Industry



AI Chip Development

Achieve first-pass silicon success while optimizing power, performance, and area (PPA).



Automotive

Create and own your software-defined vehicle innovation from software to silicon to system.



Aerospace & Government

Automate critical engineering projects from design to system to mission.



Data Center

Optimize chip, power, cooling, and infrastructure design for more efficient, scalable, and sustainable data centers.



Mobile

Unleash bandwidth and harness security for a 5G world and prepare for the 6G era.

Technology



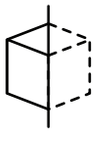
Artificial Intelligence (AI)

Re-engineer engineering by increasing automation and productivity with AI-powered design solutions.



Multi-Die Design

Leverage a comprehensive and scalable solution for fast heterogeneous integration.



Digital Twins

Implement complete virtual prototypes of real-world systems and accelerate software-defined product development.



Multiphysics Fusion

Advance the shift from overdesign to co-design with trusted EDA workflows with multiphysics analysis.



Cloud

Follow a fast, secure, and flexible path to accelerate time to results.

SYNOPSYS®

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