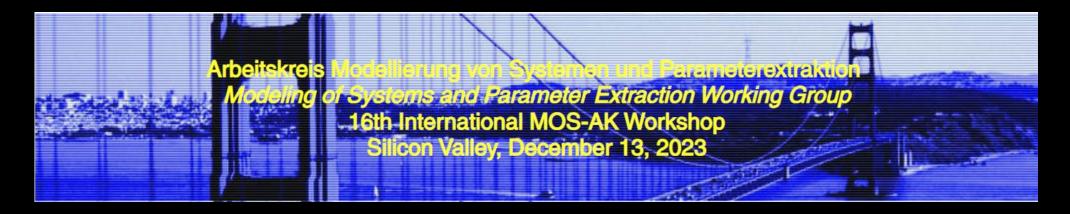


Welcome MOS-AK



Arbeitskreis Modellierung von Systemen und Parameterextraktion Modeling of Systems and Parameter Extraction Working Group



Nilesh Kamdar Keysight EDA Dec.13, 2023

About Nilesh



- Nilesh Kamdar is Senior Director and Portfolio Manager for all the Keysight EDA businesses and segments.
- Nilesh joined Hewlett-Packard in 1999 as a post-sales technical support engineer in the EEsof EDA division. Over his 24+ year career, he worked in various leadership roles including leading the Circuit Simulation and Architecture team, Application Engineering team, Customer Success team, and Software Business & Operations team.
- Nilesh holds a Master's in Electrical Engineering from Utah State
 University and a Bachelor's in Electronics Engineering from Mumbai
 University, India. He is based in Santa Clara, California

A Brief History of Keysight







1939–1998: Hewlett-Packard years

A company founded on electronic measurement innovation

1999–2013: Agilent Technologies years

Spun off from HP, Agilent became the world's premier measurement company

In September 2013, it announced the spinoff of its electronic measurement business

2014+: Keysight years

Keysight became an independent company focused on electronic measurement solutions



Stevens Creek site

5301 Stevens Creek Blvd

- Built in the 1970s. One of the original HP Silicon Valley sites
- Today Joint occupancy by Agilent and Keysight
- It is Agilent WW Headquarters
- One of the key Keysight locations in California.
 Keysight has teams in:
 - R&D
 - Sales
 - Marketing
 - Semiconductor manufacturing

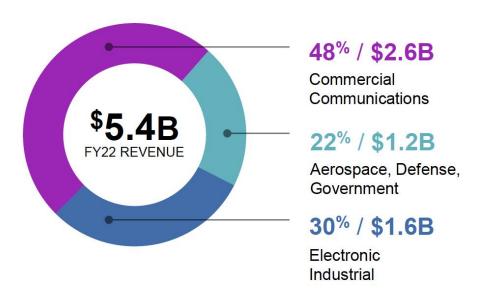


Keysight at a Glance (NYSE: KEYS)

Our Purpose:

Accelerate innovation to connect and secure the world

FY22 Revenue









#1 Market Position1

FY22 Company Highlights



15K

Employees⁴

100+

21%

Countries served

Recurring revenue

29%

22%

Operating margin³

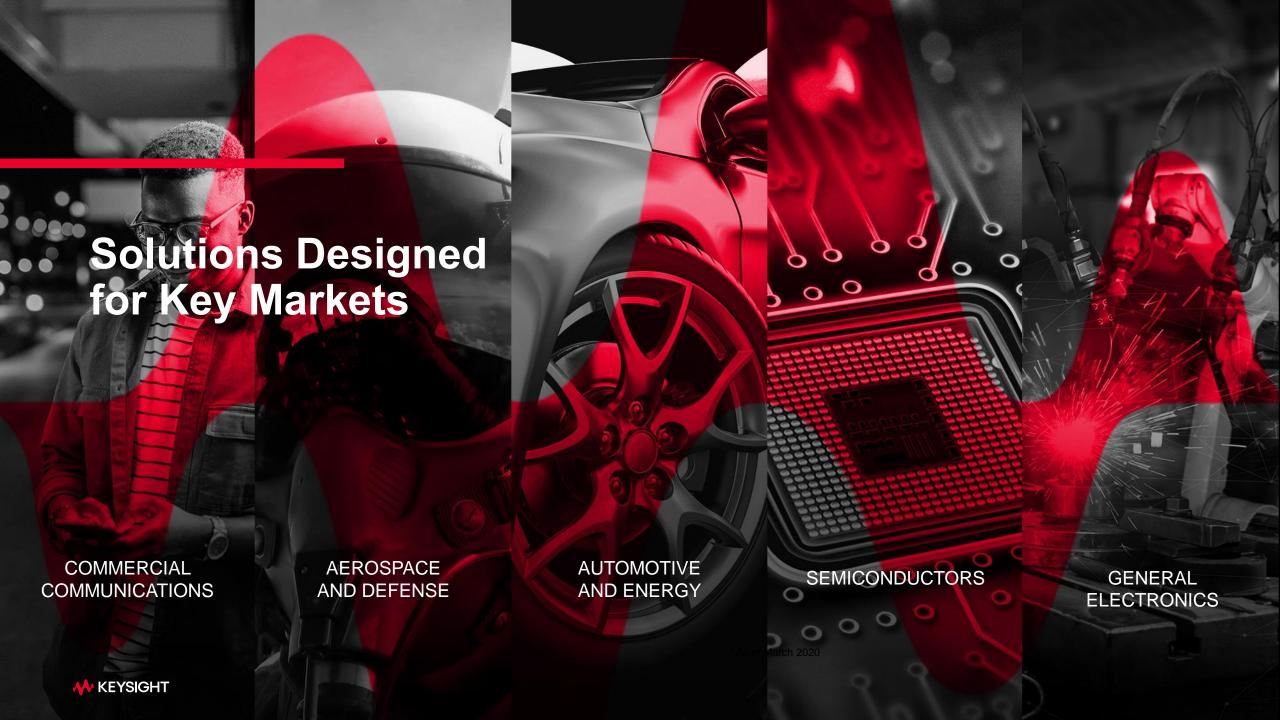
EPS growth³

Free cash flow^{3,5}

*31B

Market capitalization⁴







Keysight Recent Market expansion

Press Releases

Keysight Expands EDA Software Portfolio with the Acquisition of Cliosoft

- Acquisition to digitally transform design-test workflows and meet productivity requirements of next-generation electronic product development lifecycles
- Cliosoft's revision-control and data and IP management capabilities natively integrate with Keysight's PathWave Advanced Design System
- Customers to benefit from broader EDA ecosystem with Keysight and Cliosoft continuing to support all the major EDA vendor
 environments to facilitate best-in-class tool workflows

SANTA ROSA, Calif. February 23, 2023

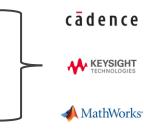
Press Releases

Keysight Advances Software-Centric Solutions Leadership Through the Acquisition of ESI Group

- Expands Keysight's application layer portfolio with simulation capabilities that are critical to accelerate innovation in multiple end
 markets including automotive
- · Enables customers to accelerate time to market and lower operational costs, while reducing their environmental footprint
- · Increases Keysight's software revenue and ARR

SANTA ROSA, Calif. and PARIS, France, June 28, 2023

Cliosoft SOS and HUB support a wide variety of EDA and software platforms















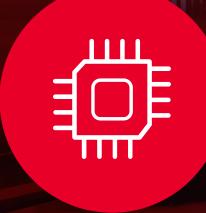






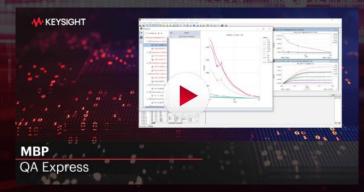
Keysight EDA 2024 What's New

Device Modeling





Quickly adapt model libraries based or new targets



Enable early detection of model issues during model parameter tuning



Automate de-embedding for multiple devices simultaneously



Streamline the binning modeling workflow

AI/ML

Your Innovation Unbounded



IC-CAP

ANN training is built into IC-CAP to model complex GaN device physics

ADS

Python APIs connect simulators and data with *your* AI/ML workflows to enable innovation

Open Platforms

TensorFlow O PyTorch

RF System Design

Pre-6G Channel
Estimation Models
utilize AI/ML workflows
for fast execution

KEYSIGHT

Consistent Software-Centric Solution Strategy

Accelerating Innovation of Long-term technology trends

First-to-Market Design and Test Solutions

to create

Sustainable Lifecycle Value

Strengthening Customer Value Proposition

Time to market • Productivity

Stronger Keysight Business Outcomes

Accelerating profitable growth • Improving resiliency • Expanding margins



Deep, Long-Term Global Customer Relationships

Strengthening market-leading positions with 30,000+ customers







14/15 Top mobile operators

5/5 Top cloud companies

22/25 Top aerospace & defense contractors

10/10 Top automotive companies
25/25 Top semiconductor companies
10/10 Top engineering universities

SELECT CUSTOMERS

Alphabet • Amazon • AT&T
Broadcom • Cisco • Fuijitsu • HP • Innolight
Nvidia • Lenovo • LG • Meta • Microsoft
Nokia • Qualcomm • Samsung

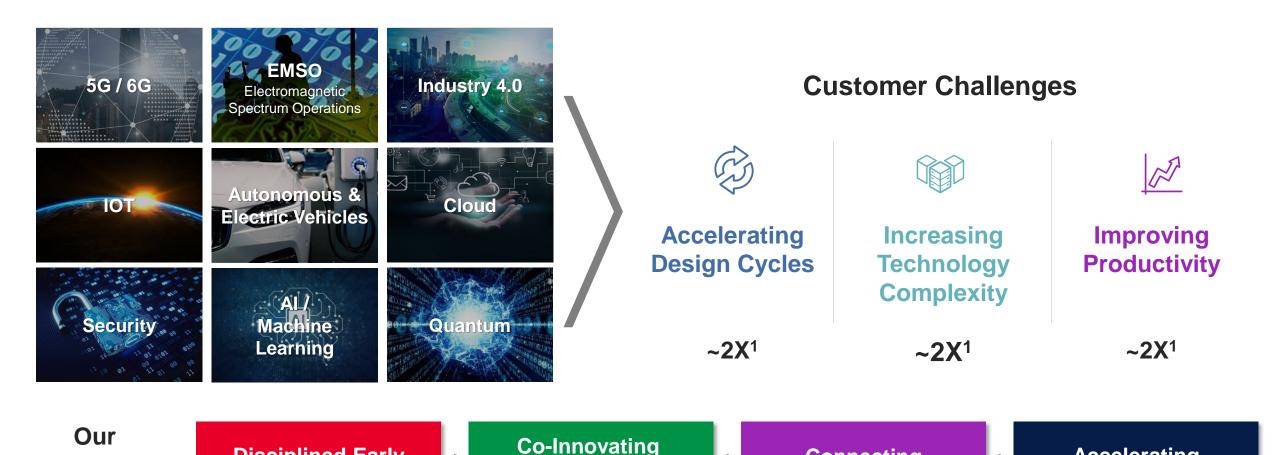
BAE Systems • Boeing Leonardo • Naval Research Lab US Government Daimler • Delphi • Ford Infineon • Qorvo • Siemens Taiwan Semiconductor • Tesla

23/25 Top technology companies¹

67/100

Fortune 100 served

Digital Transformation Driving New Innovation Paradigm



with Market-Defining

Customers



Innovation

Strategy

¹ Per customer feedback.

Disciplined Early

Investment

Accelerating

through Acquisitions

Connecting

Critical Workflows

Foundry Partnerships



News Releases

Keysight, Synopsys Collaborate in TSMC's N6RF Design Reference Flow

PathWave RFPro with Synopsys' Custom Compiler delivers integrated electromagnetic simulation for wireless chip design workflow

SANTA ROSA, Calif. June 16, 2022

News Releases

Keysight Joins Intel Foundry Services Accelerator EDA Alliance Program

- Expands PDK support to include IFS advanced RF technology process nodes
- Provides industry-leading electromagnetic modeling and simulation solutions for RFIC design workflows

SANTA ROSA, Calif. December 7, 2022

Keysight is actively working with many of the largest foundries in the world to ensure PDK and EDA interoperability. A complete list of Foundry Partners can be found <u>HERE</u>

