



nVIDIA

AI IN THE DRIVER'S SEAT

Danny Shapiro | Senior Director, Automotive

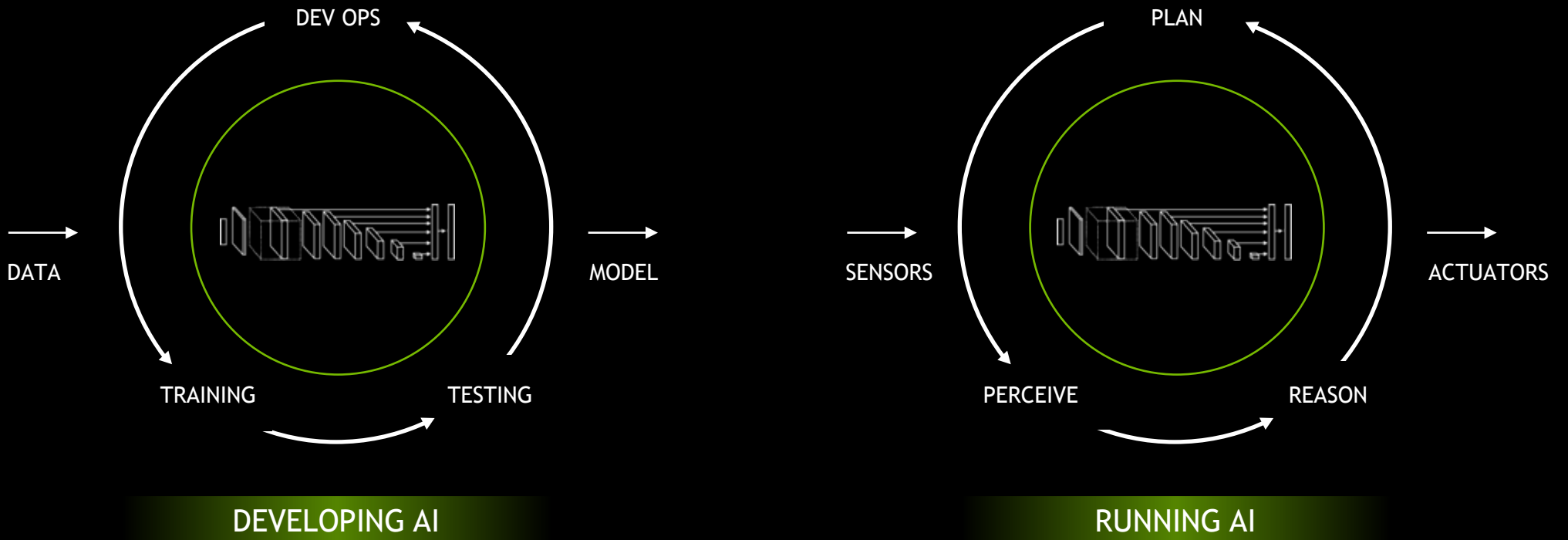


SAFE HARBOR

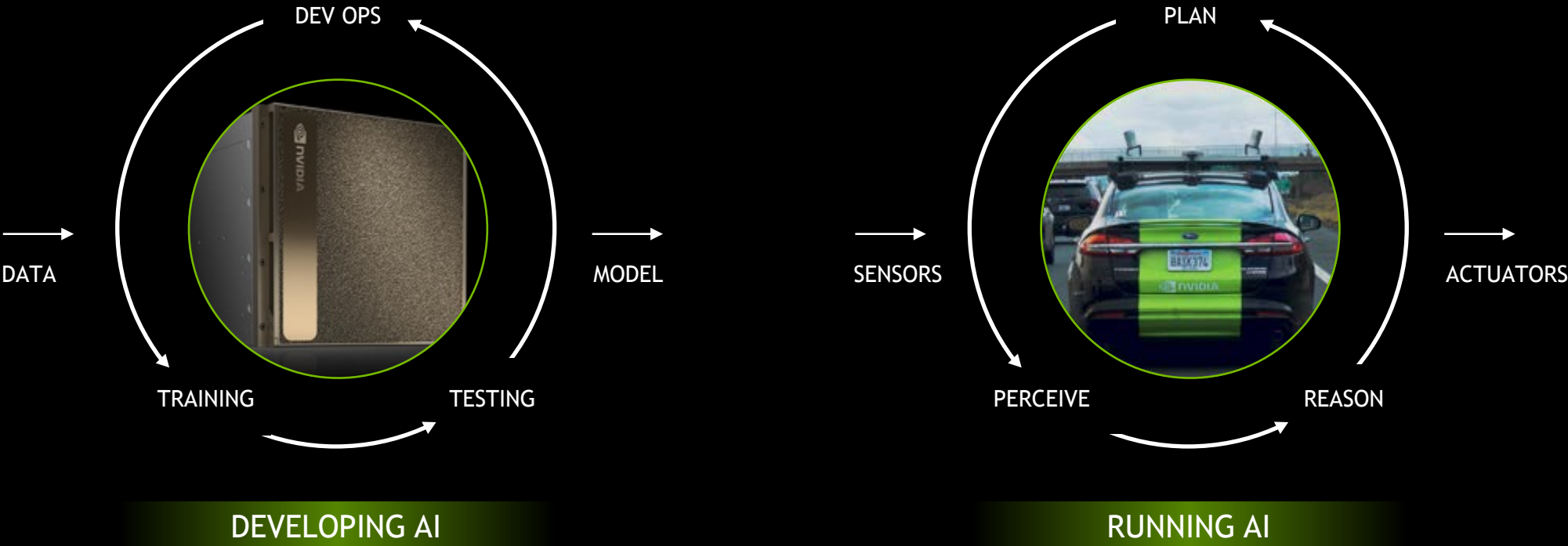
Forward-Looking Statements

Except for the historical information contained herein, certain matters in this presentation including, but not limited to, statements as to: our growth; our market opportunities; the performance, impact, benefits and abilities of our products and technologies, artificial intelligence and the AI revolution; the brain of AI; developing and running AI; everything that moves being autonomous; everything that moves being autonomous; driving billions of miles in VR; future cars being software-defined; NVIDIA Orin being the world's most advanced AV and robotics processor; NVIDIA DRIVE extending to ADAS; NVIDIA DRIVE's global ecosystem and the companies that use it; our growth opportunities; our TAM; our strategies; market trends; future financial results, estimates and forecasts; and other predictions and estimates are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements and any other forward-looking statements that go beyond historical facts that are made in this presentation are subject to risks and uncertainties that may cause actual results to differ materially. These forward-looking statements and any other forward-looking statements that go beyond historical facts that are made in this presentation are subject to risks and uncertainties that may cause actual results to differ materially. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing products and technologies; market acceptance of our products or our partners' products; design, manufacturing or software defects; changes in consumer preferences and demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time in the most recent reports NVIDIA files with the Securities and Exchange Commission, or SEC, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q. Copies of reports filed with the SEC are posted on the company's website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

AI REVOLUTION



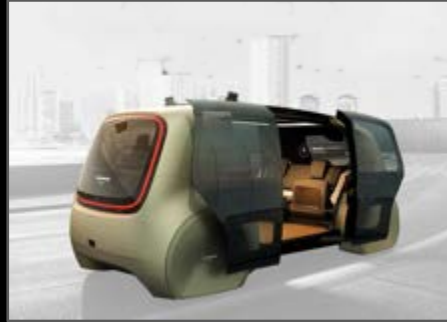
BRAIN OF AI



EVERYTHING THAT MOVES WILL BE AUTONOMOUS



Cars



Robotaxis



Trucks



Delivery Vans



Buses



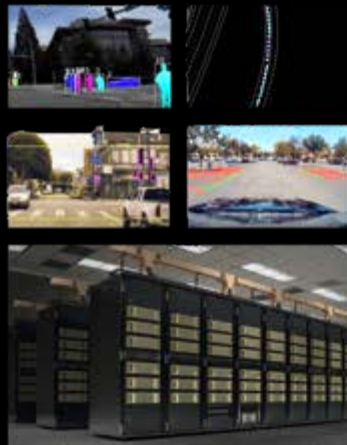
Tractors

NVIDIA DRIVE END-TO-END SOFTWARE-DEFINED AV PLATFORM

COLLECT
DATA



TRAIN
MODELS



SIMULATE



DRIVE AV



DRIVE IX



DRIVE RC



INDUSTRY'S ONLY COMPLETE END-TO-END PLATFORM
FROM CLOUD TO CAR, AND BACK TO CLOUD

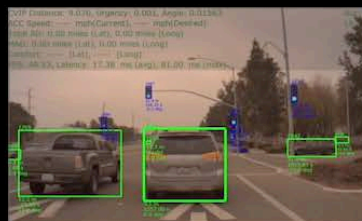
SIMULTANEOUS DEEP NEURAL NETWORKS



Perception



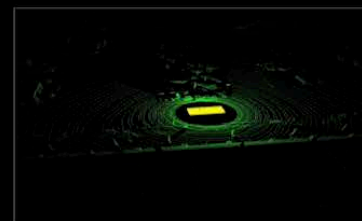
Free Space Perception



Distance Perception



Weather



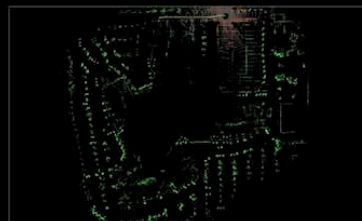
LIDAR Perception



Camera-based Mapping



Camera Localization to HD Map



LIDAR Localization to HD Map

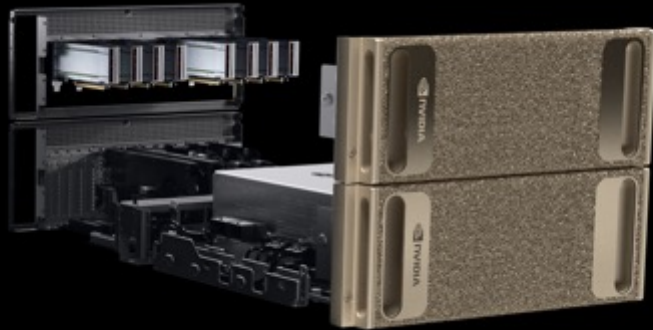


Path Perception



Scene Perception

VIRTUAL TEST FLEET IN THE CLOUD



Bit-accurate, hardware-in-the-loop simulator | Test corner and rare conditions
Simulate previous failure scenarios | Cloud-based workflow | Open platform

VIRTUAL TEST FLEET IN THE CLOUD



DRIVE MILLIONS OF MILES IN VR

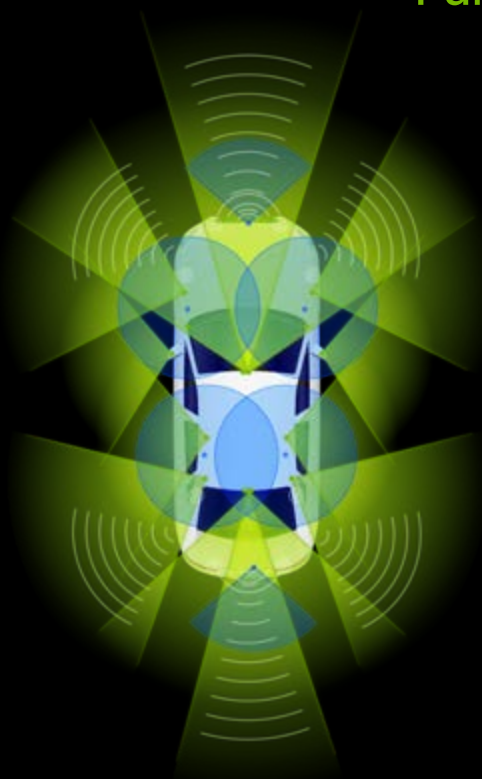


Faster | Safer | Greater Control | More Efficient

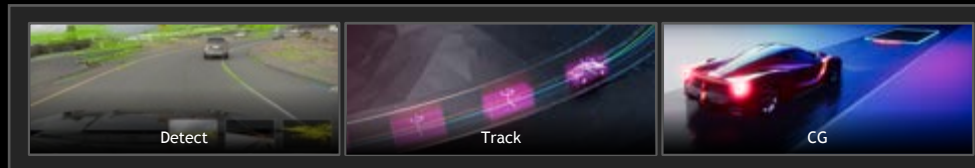
FUTURE CARS ARE SOFTWARE-DEFINED

Powerful and Efficient AI, CV, AR, HPC | Rich Software Development Platform

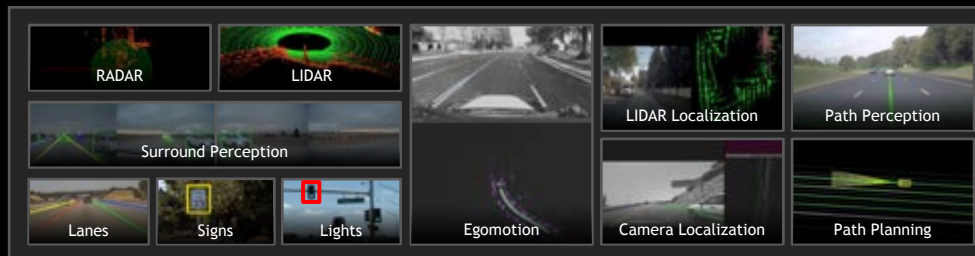
Functional Safety | Open Platform



AI Driving Assistance

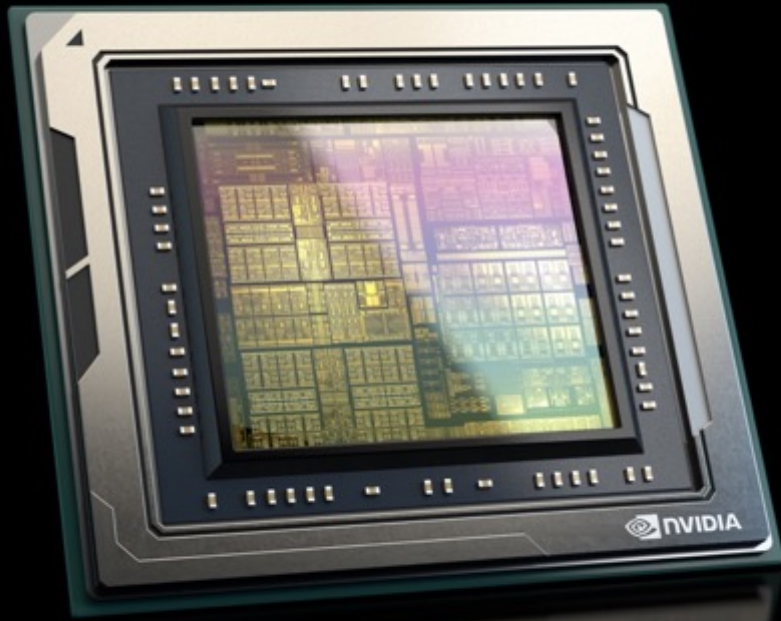


Augmented Reality



AV Building Blocks

NVIDIA ORIN



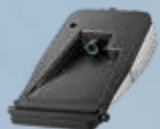
17 Billion Transistors
12 Hercules-AE ARM64 CPUs
200 INT8 TOPS - CUDA Tensor Core GPU + DLA
5 TOPS PVA for Feature Tracking
200 GB/s Memory Bandwidth
4 10Gbps ENET
8K 30 Dec | 4K 60 Enc - H264 / H265 / VP9
FUSA ASIL-B Chip | ASIL-D Systematic

World's Most Advanced AV and Robotics Processor | Software Compatible with Xavier | 7X Performance Leap

NVIDIA DRIVE WITH NEW ORIN AND AMPERE

5W TO 2,000 TOPS – ONE PROGRAMMABLE ARCHITECTURE

ADAS
Windshield NCAP
10 TOPS, 5W



L2+
Autopilot
200 TOPS, 45W



L5
Robotaxi
2,000 TOPS, 800W



← SINGLE SCALABLE ARCHITECTURE – SOFTWARE COMPATIBLE →



NVIDIA DRIVE — EXTENDING TO ADAS

SINGLE SCALABLE ARCHITECTURE — SOFTWARE COMPATIBLE



New Orin ADAS SoC

Features Integrated Ampere GPU

Designed to Fit Behind Windshield

10 TOPS @ 5W

NVIDIA DRIVE ROBOTAXI SOLUTION GETS AMPED

SINGLE SCALABLE ARCHITECTURE — SOFTWARE COMPATIBLE

2 Orin SoCs

2 Ampere GPUs

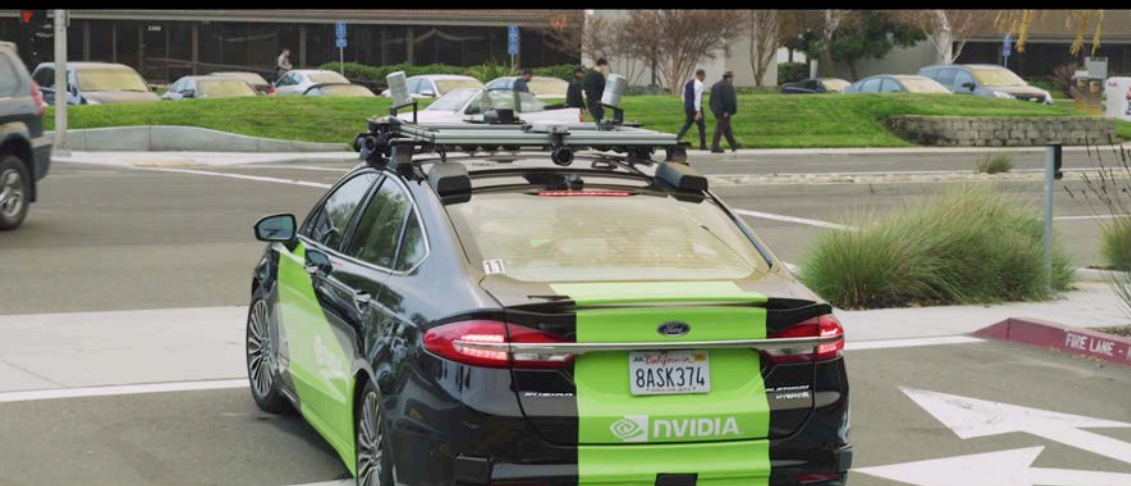
2000 TOPS

6X Performance

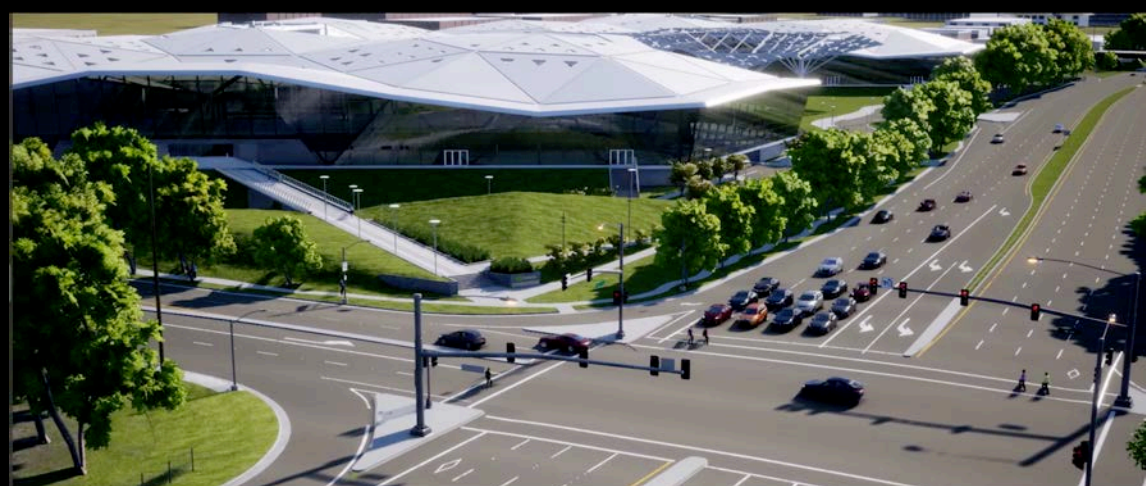
4X Performance / Watt



NVIDIA DRIVE ON THE ROAD AND IN THE CLOUD



On Road Testing



Testing in Simulation

[Watch Video](#)

NVIDIA DRIVE GLOBAL ECOSYSTEM

CARS



TRUCKS



SUPPLIERS



MOBILITY SERVICES



STARTUPS



SOFTWARE



MAPPING



SIMULATION



HUNDREDS OF COMPANIES BUILD, TEST AND DEPLOY AUTOMATED / AUTONOMOUS VEHICLES ON NVIDIA DRIVE

NVIDIA DRIVE ADVANTAGE

End-to-End Platform

Single Architecture Scales from ADAS to Robotaxi

Software-Defined, Open, Modular

Vast Developer Ecosystem





nVIDIA



nvidia.com/drive