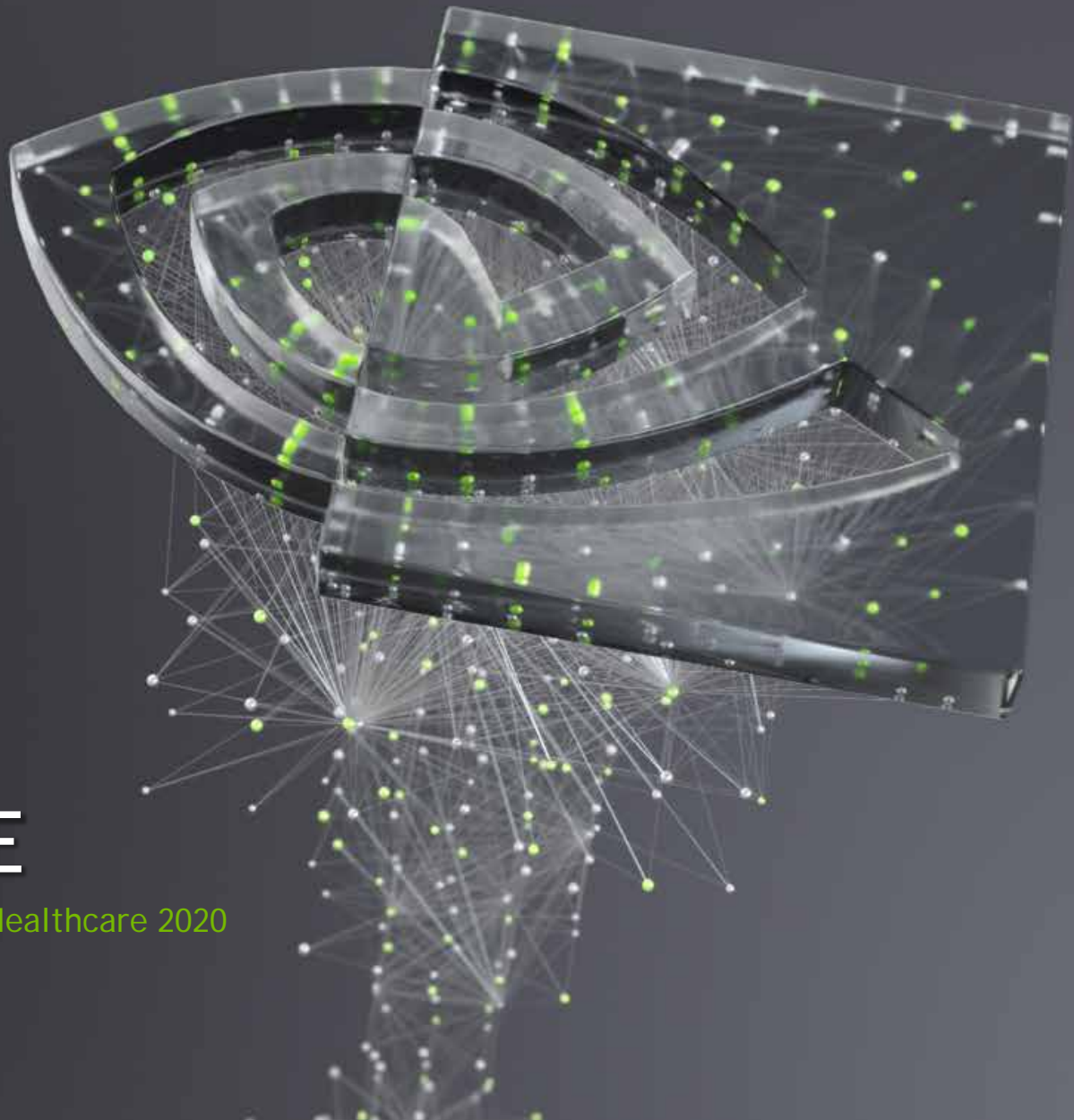




NVIDIA HEALTHCARE

Kimberly Powell | VP & GM Healthcare | JP Morgan Healthcare 2020

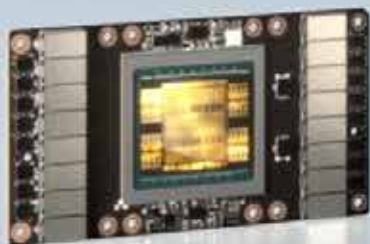


SAFE HARBOR

Forward-Looking Statements

Except for the historical information contained herein, certain matters in this presentation including, but not limited to, statements as to: our strategies, growth, market opportunities and position; the performance, benefits and impact of our products and technologies; expected artificial intelligence compute growth and impact; the healthcare industry adopting federated learning; expected computational genomics cost, throughput and benefits; 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. 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 product 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 and other factors. For a complete discussion of factors that could materially affect our financial results and operations, please refer to the reports we file from time to time with the SEC, including our Form 10-K for the annual period ended January 27, 2019 and our Form 10-Q for the quarterly period ended October 27, 2019. Copies of reports we file with the SEC are posted on our website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of January 16, 2020, based on information currently available to us. Except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

NVIDIA AT THE INTERSECTION OF GRAPHICS, HPC, AI



GRAPHICS | HPC | AI

NVIDIA

ONE ARCHITECTURE – MULTIPLE DOMAINS



Gaming
\$150B



Cloud Computing
\$230B



Automotive
\$10T



Manufacturing
\$14T



Healthcare
\$7T



GRAPHICS | HPC | AI

NVIDIA AI BREAKTHROUGHS IN GRAPHICS



PROJECT SOL:
A Showcase for the Power of NVIDIA RTX



MINECRAFT RTX:
Real-time Ray Tracing in the World's Most Popular Game

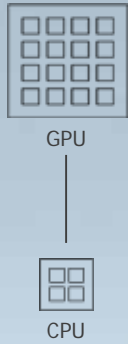


OMNIVERSE:
A Powerful Collaboration Platform for 3D Design

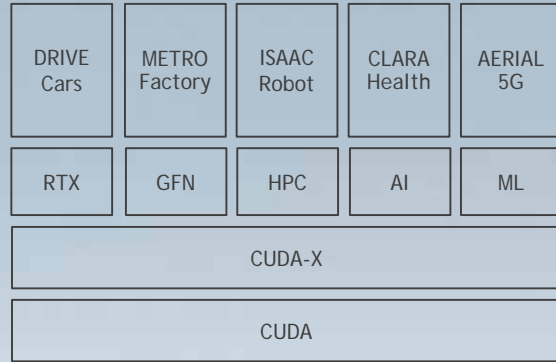


NASA MARS LANDER:
Visualizing NASA's Supercomputer Simulations

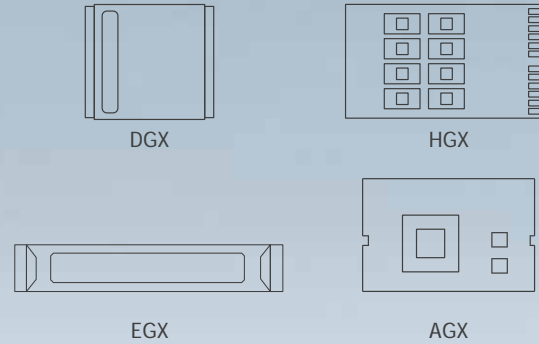
NVIDIA AI COMPUTING PLATFORM



X-FACTOR / SPEED-UP



FULL STACK

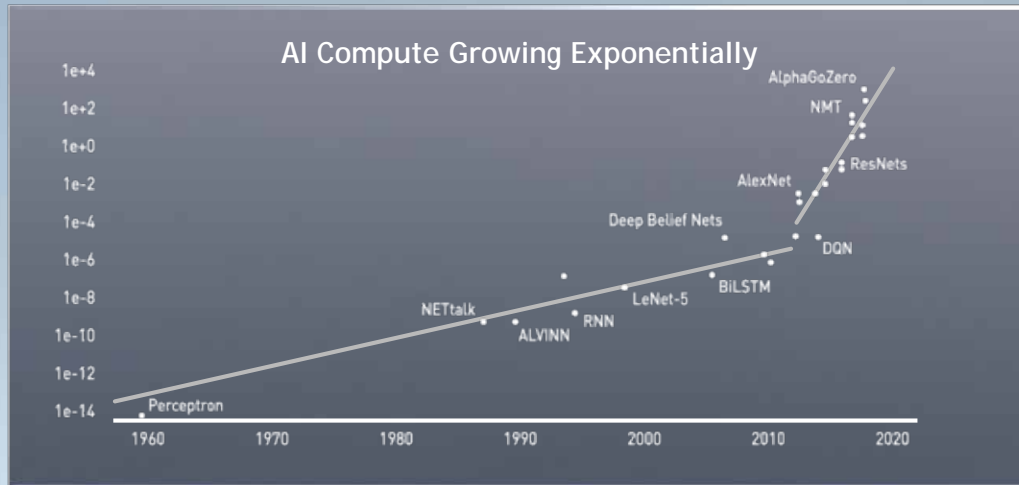


CLOUD TO EDGE SYSTEMS

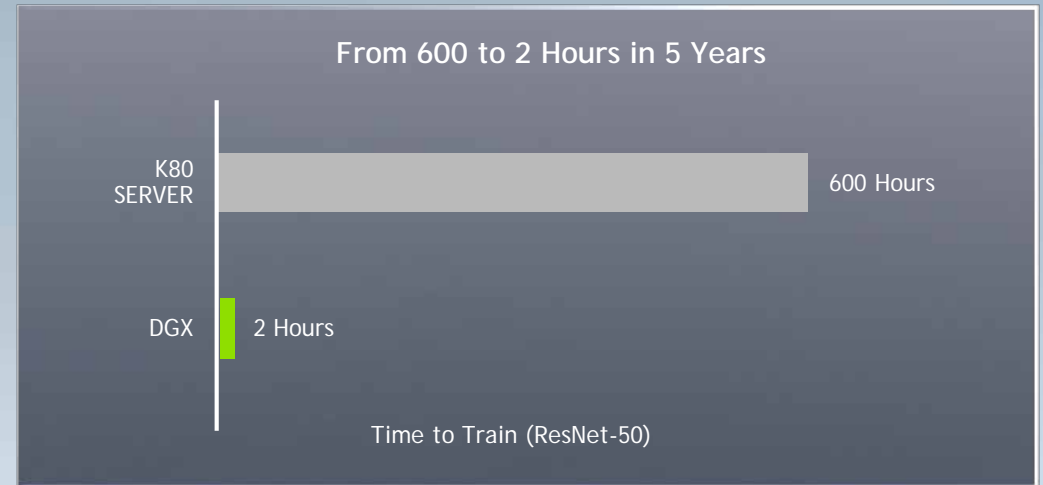


EVERYWHERE

NVIDIA IS THE ENGINE OF AI #1 ON MLPERF



COMPUTE DOUBLING EVERY 3.4 MONTHS



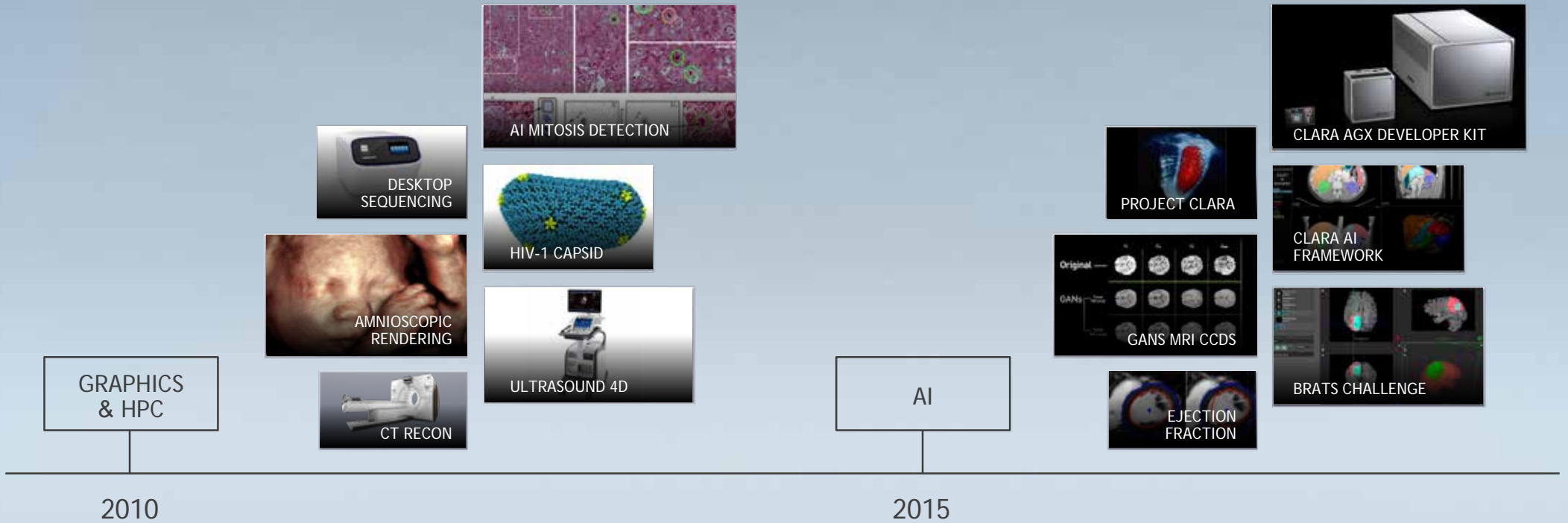
SUPER MOORE'S LAW

AI RENAISSANCE

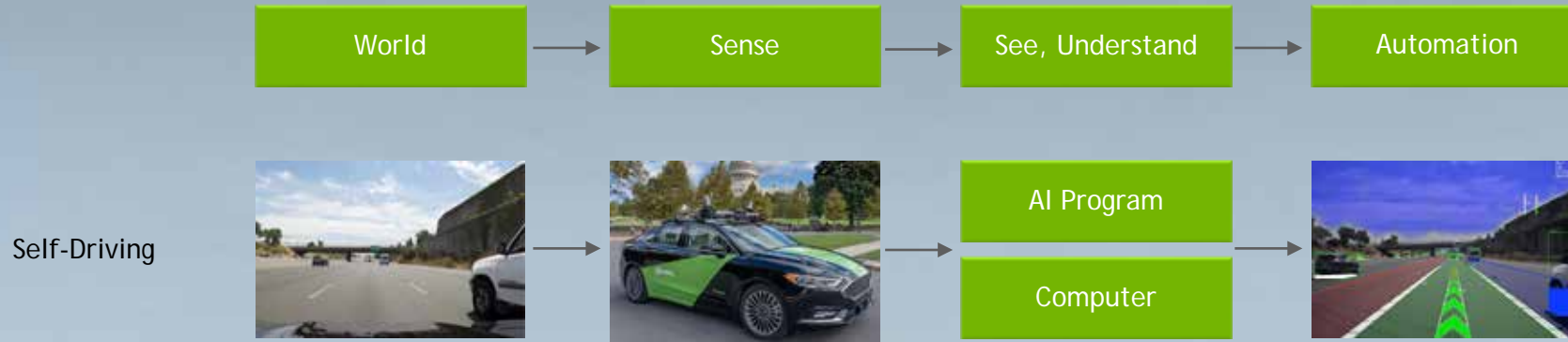


NVIDIA

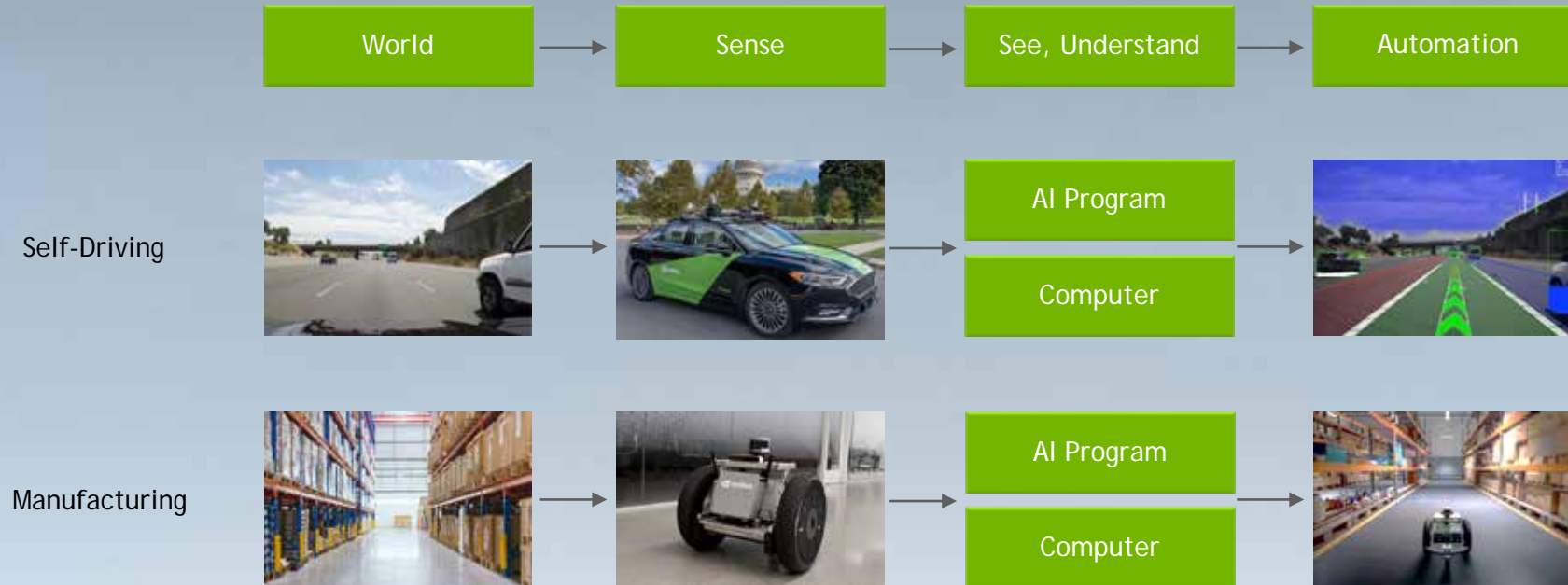
A DECADE IN HEALTHCARE



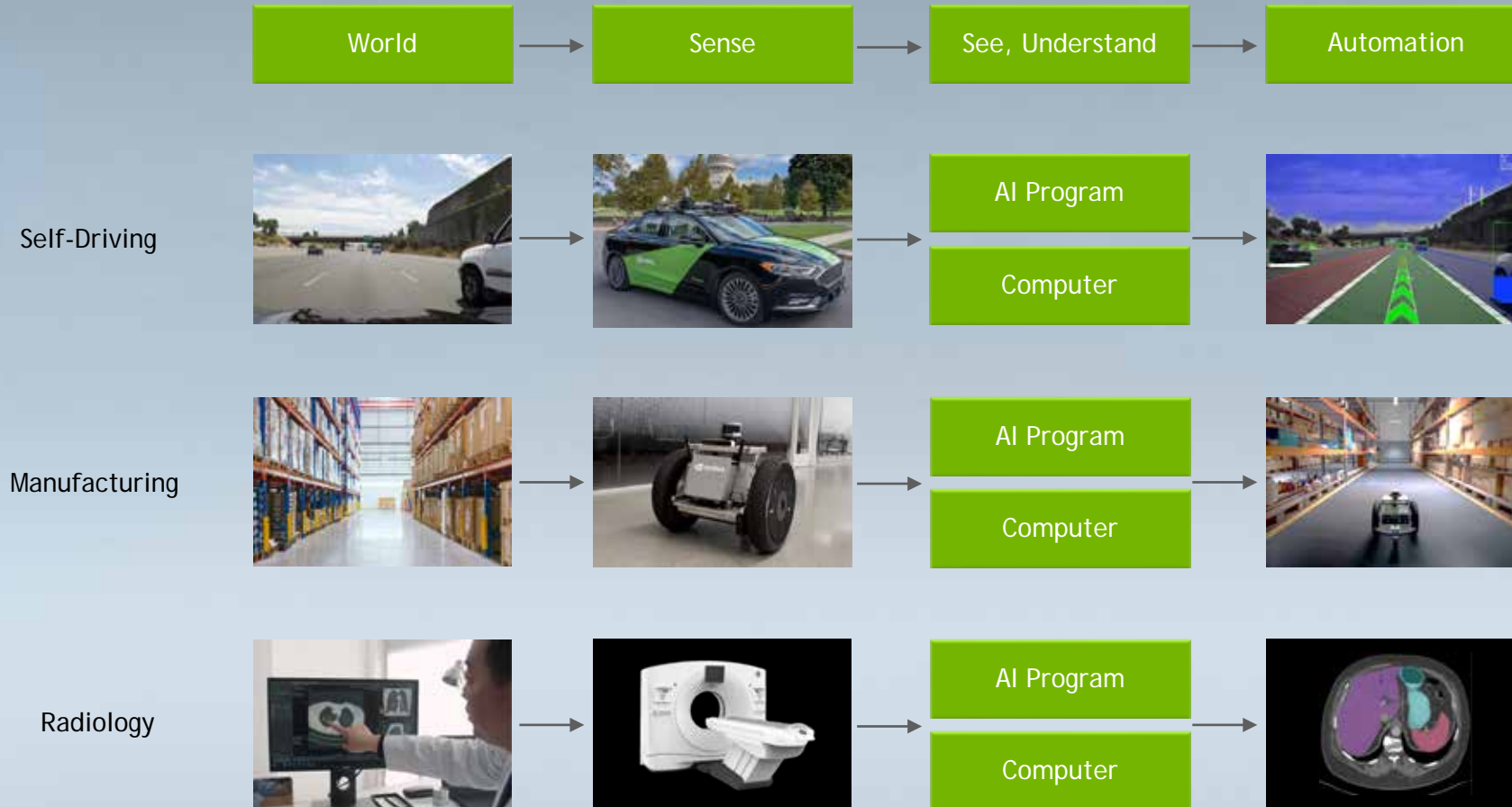
ARTIFICIAL INTELLIGENCE IS DOMAIN SPECIFIC



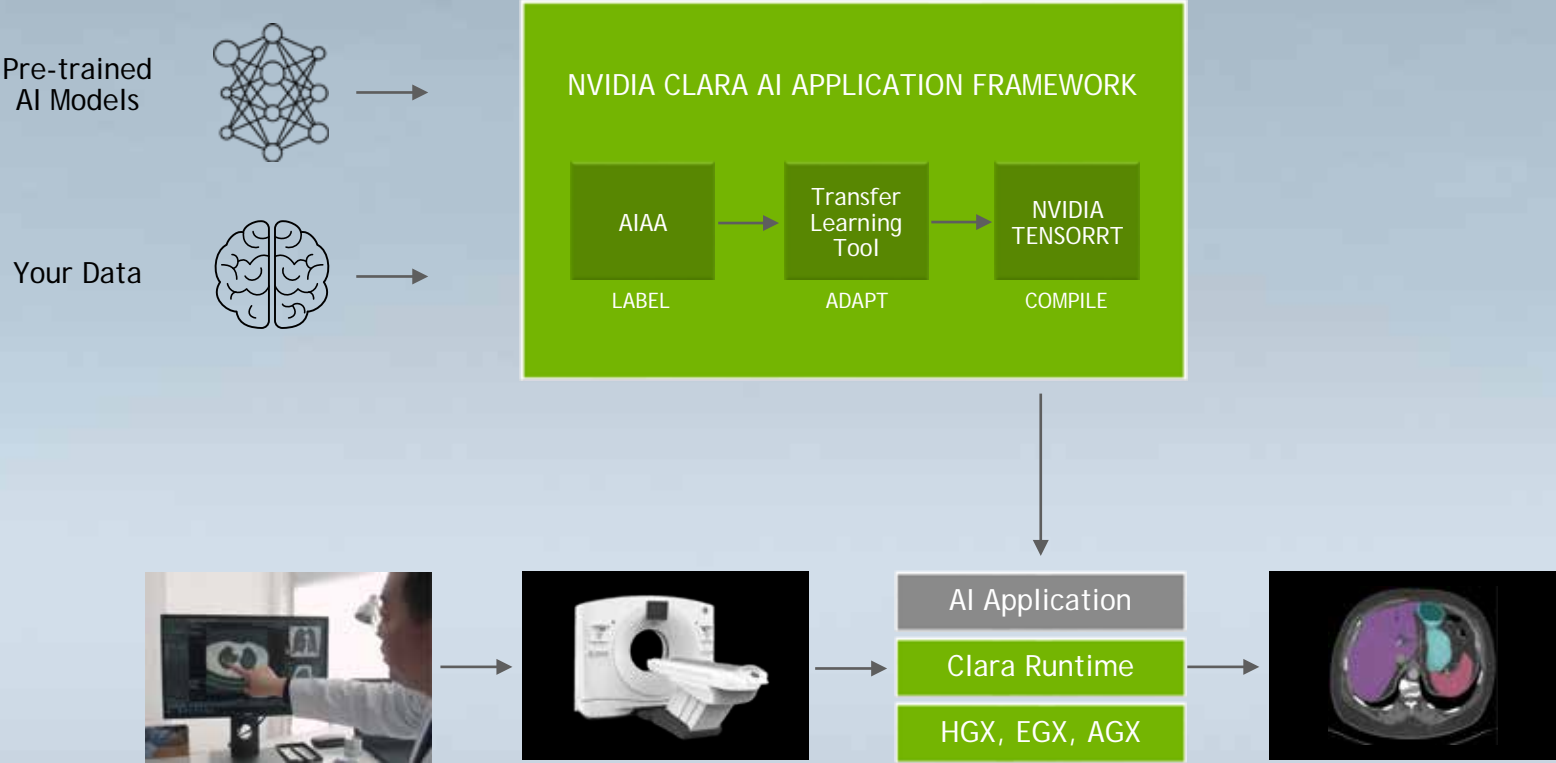
ARTIFICIAL INTELLIGENCE IS DOMAIN SPECIFIC



ARTIFICIAL INTELLIGENCE IS DOMAIN SPECIFIC



NVIDIA CLARA DOMAIN TARGETED AI APPLICATION FRAMEWORK



SMART MEDICAL DEVICE REVOLUTION

SMART
SENSING



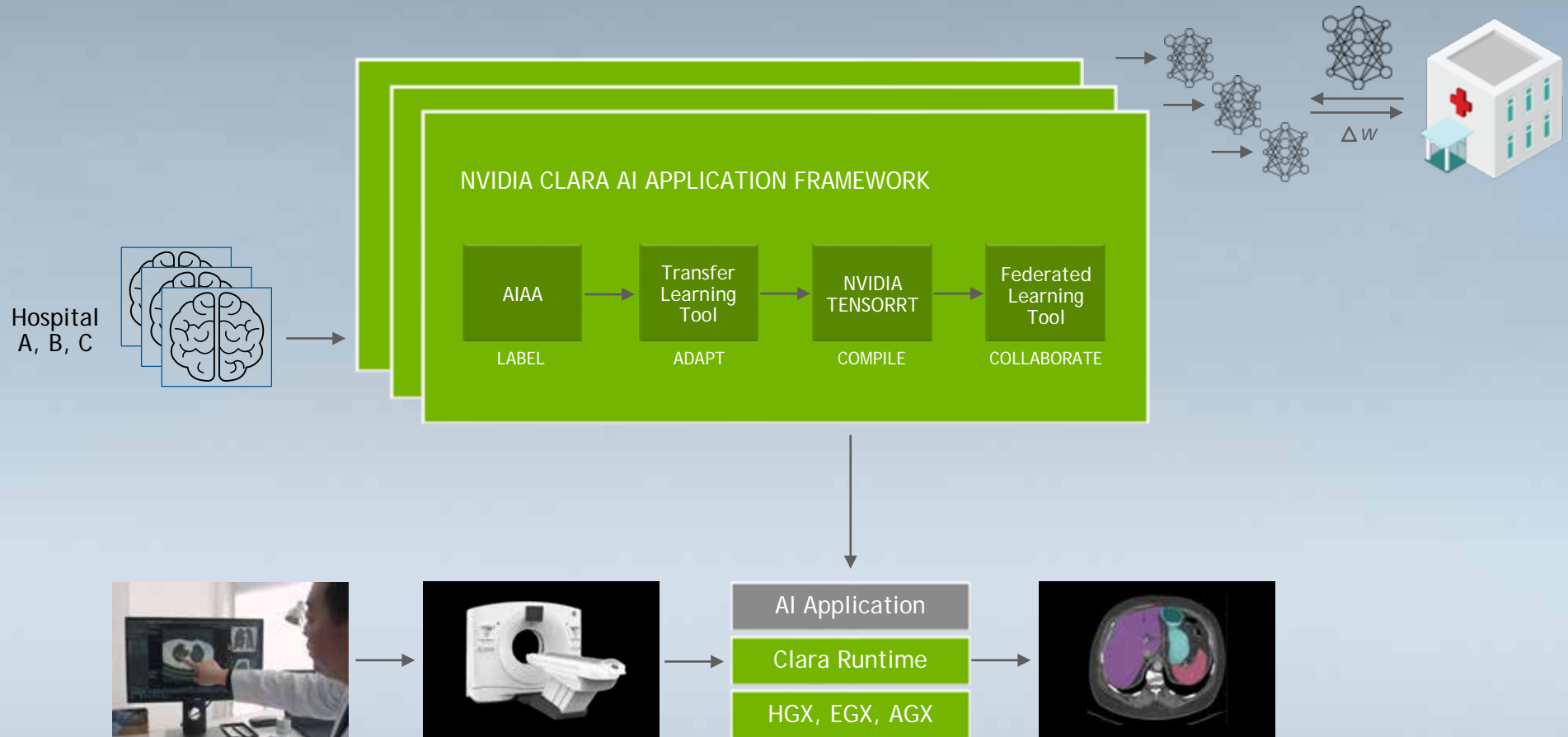
SMART
IMAGING



SMART
TREATMENT



NVIDIA CLARA FEDERATED LEARNING FOR COLLABORATIVE AI



HEALTHCARE INDUSTRY ADOPTING FEDERATED LEARNING



MEDICAL IMAGING

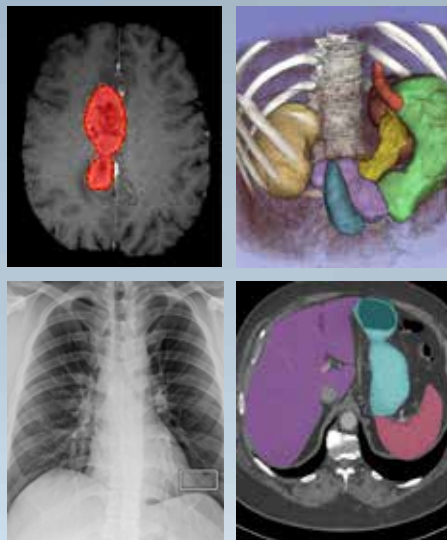
Adopting NVIDIA Clara Federated Learning for Imaging



PHARMA

Machine Learning Ledger Orchestration for Drug Discovery

NVIDIA CLARA AI APPLICATION FRAMEWORK FOR IMAGING



PRE-TRAINED MODELS

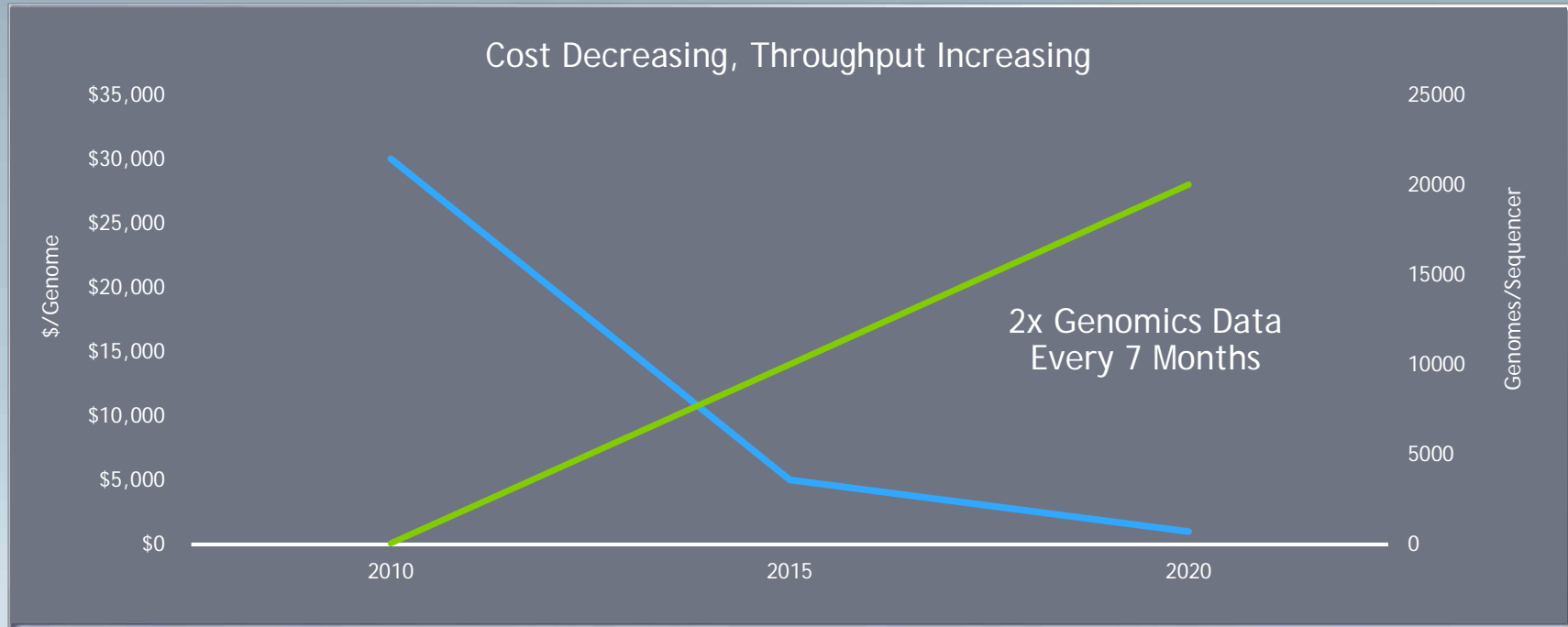


DOMAIN TARGETED AI



ECOSYSTEM ADOPTION

COMPUTATIONAL GENOMICS INFLECTION POINT



200M WGS by 2025

2 Trillion CPU Hours for Variant Calling | Consume Entire Cloud CPUs for 200 Days

NVIDIA PARABRICKS GPU ACCELERATED GENOMICS ANALYSIS TOOLKIT



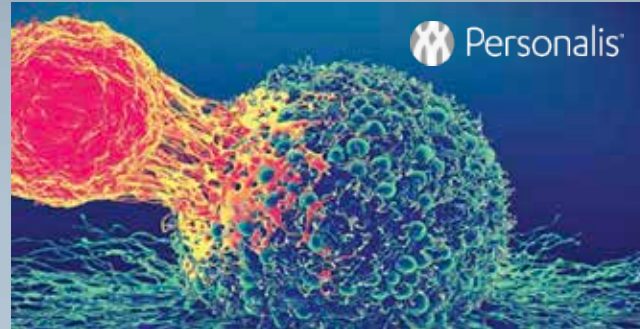
Equivalent Results to Industry Standard GATK4 | 30-50X Faster Processing from NGS to Variant Calling
Pipeline Integrates DeepVariant AI Variant Calling

Parabricks Available Now on NGC

BREAKTHROUGHS IN COMPUTATIONAL GENOMICS



LIFE SCIENCE SUPERCOMPUTER
60 Genomes/Day



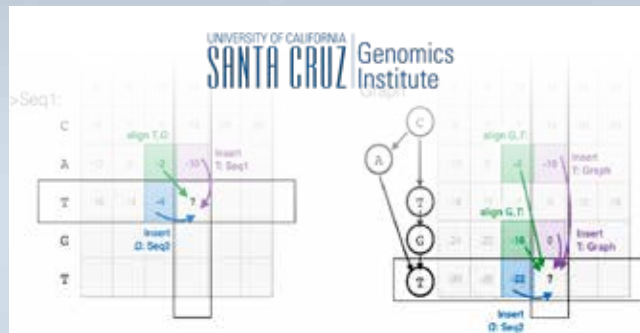
CANCER GENOMICS
Faster, More Accurate



NMF FOR MUTOGRAPHS
30X Faster



AI BASECALLER
NVIDIA Speech AI Basecaller

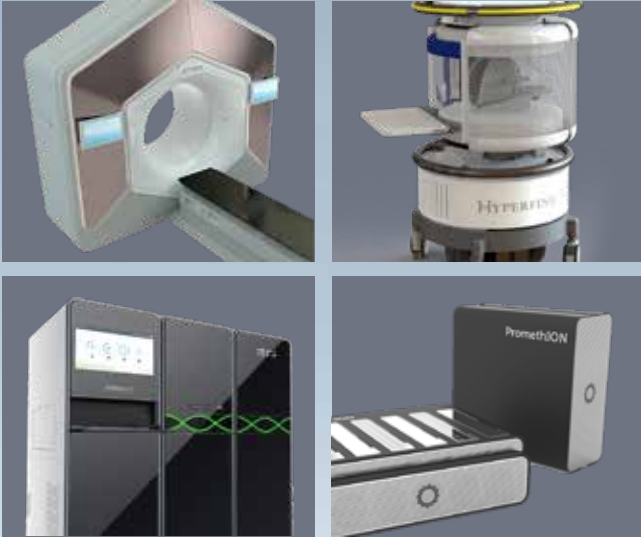


DE NOVO ASSEMBLY
GPU Accelerated Mapping, Alignment, Polishing

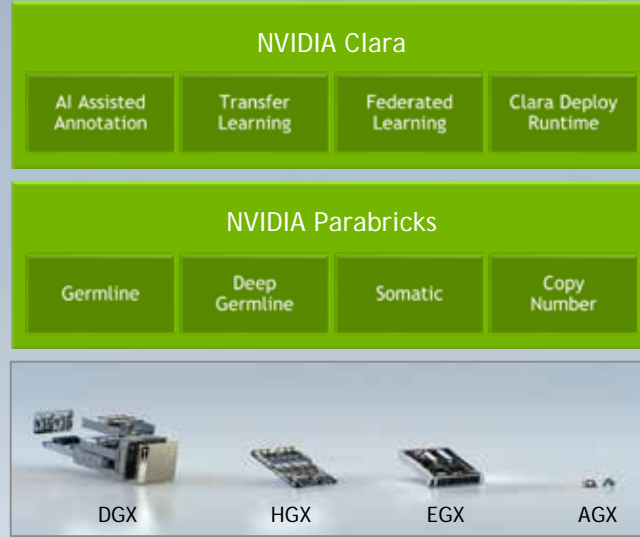


SINGLE CELL ATAC-SEQ
AI Denoising

HEALTHCARE ACCELERATED COMPUTING



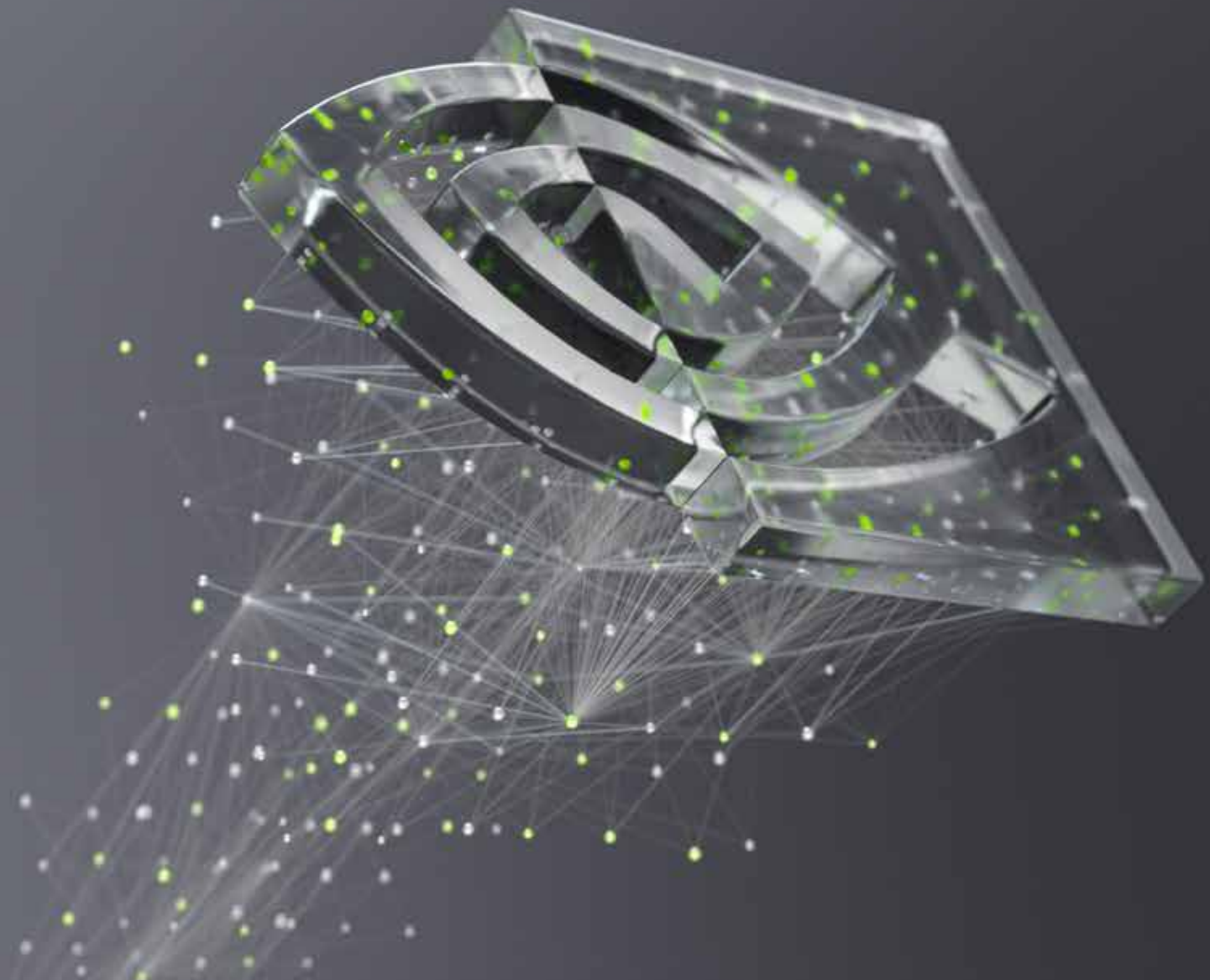
SMART MEDICAL DEVICES



GRAPHICS | HPC | AI



ECOSYSTEM BREAKTHROUGHS



nvidia.