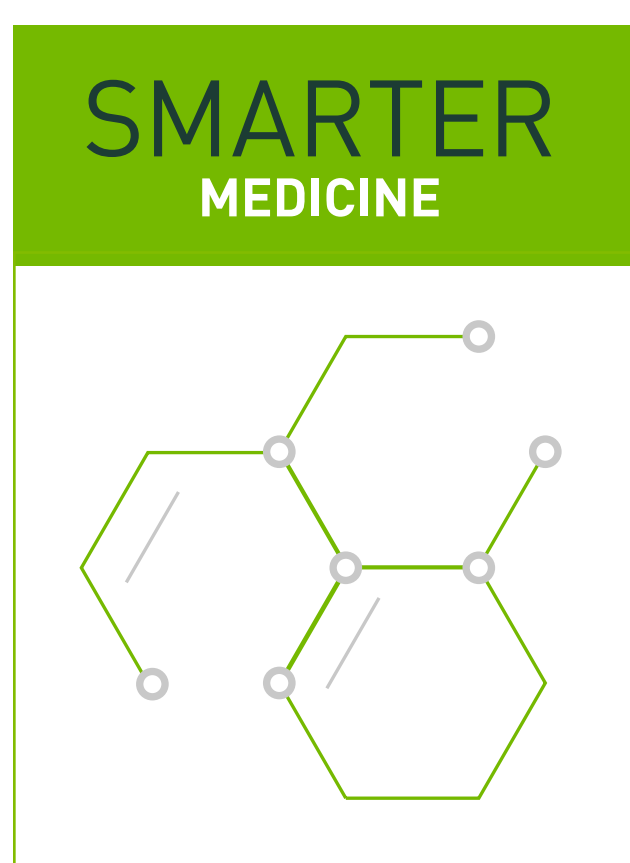


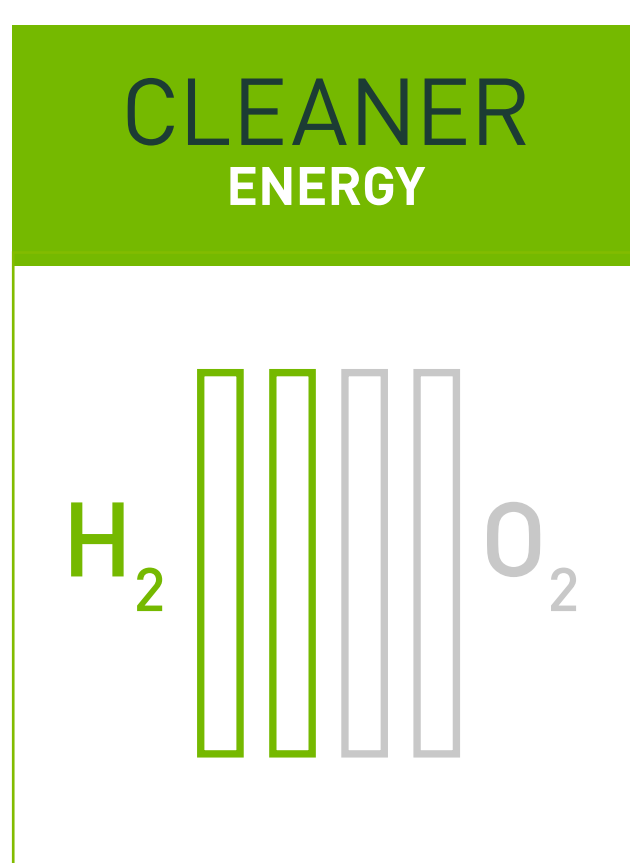
SOLVING THE UNSOLVABLE

Humanity's Toughest Challenges Require Infinite Computing



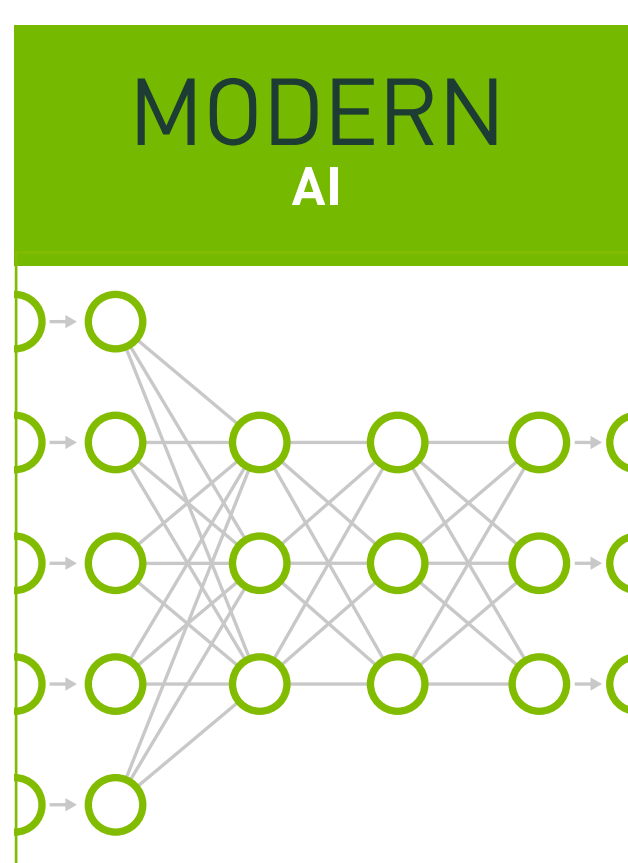
IT TAKES A LARGE AMOUNT OF COMPUTATIONALLY EXPENSIVE RESEARCH TO DEVELOP

BETTER CANCER DRUGS



THE ENERGY INDUSTRY HAS HARNESSSED THE POWER OF GPU ACCELERATION TO DESIGN

CLEANER, MORE EFFICIENT FUEL



INCREASINGLY COMPLEX NEURAL NETWORKS WITH TRILLIONS OF CONNECTIONS LEAD TO

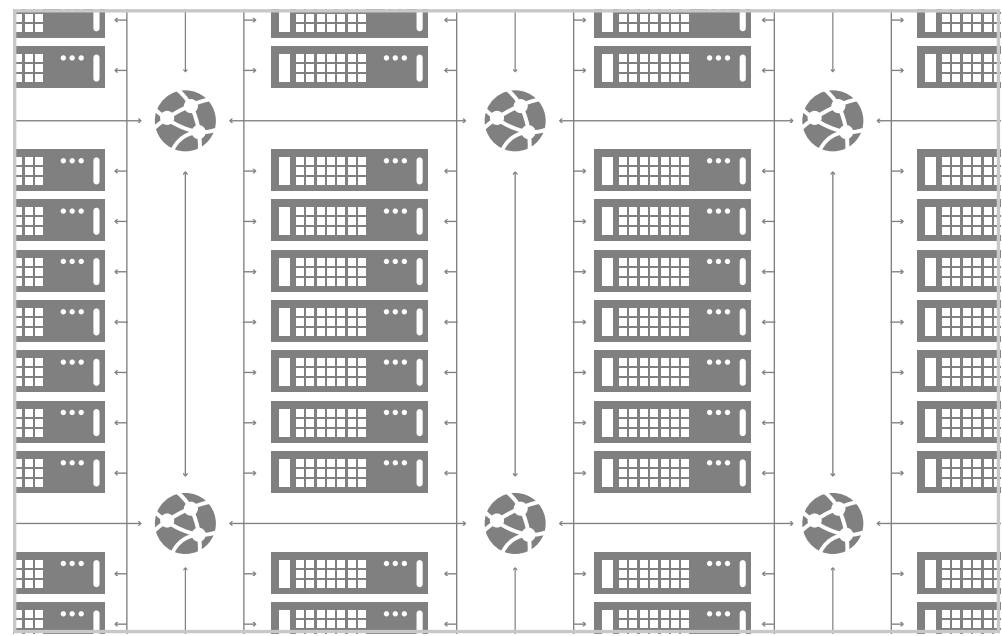
DEEPER UNDERSTANDING

NVIDIA® PASCAL™ GPU ARCHITECTURE OPENING A WORLD OF POSSIBILITIES

SOLVING MASSIVE COMPUTE INEFFICIENCY

TRADITIONAL DATA CENTER

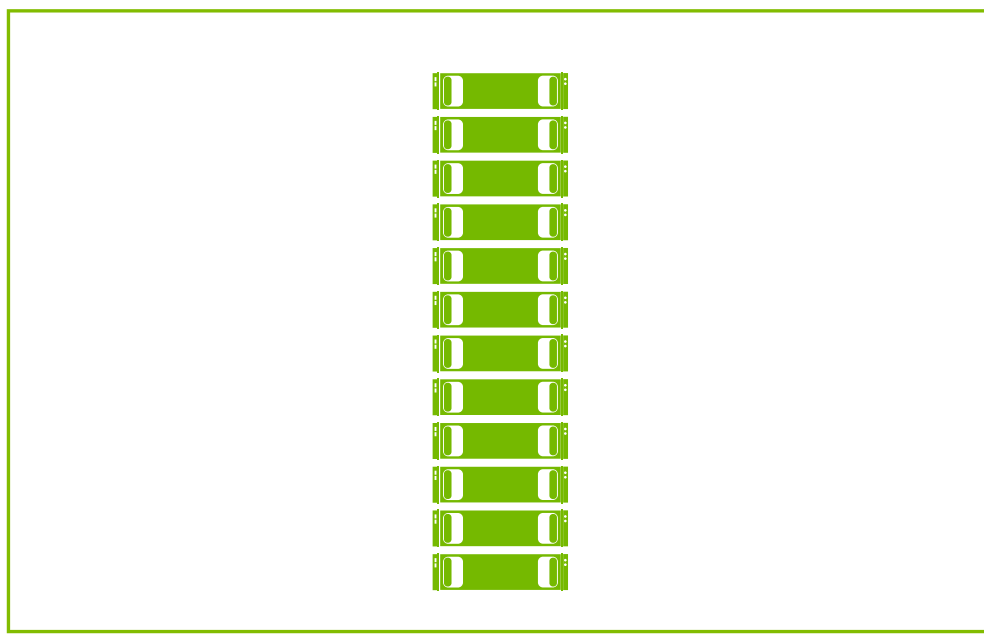
Built for transactional workloads with limited computing needs.



Uses many commodity servers interconnected with complex network infrastructures.

THE NEW DATA CENTER

Designed for workloads with infinite computing needs.



Uses fewer, lightning-fast nodes equal to the performance of thousands of commodity servers for simpler network infrastructure.

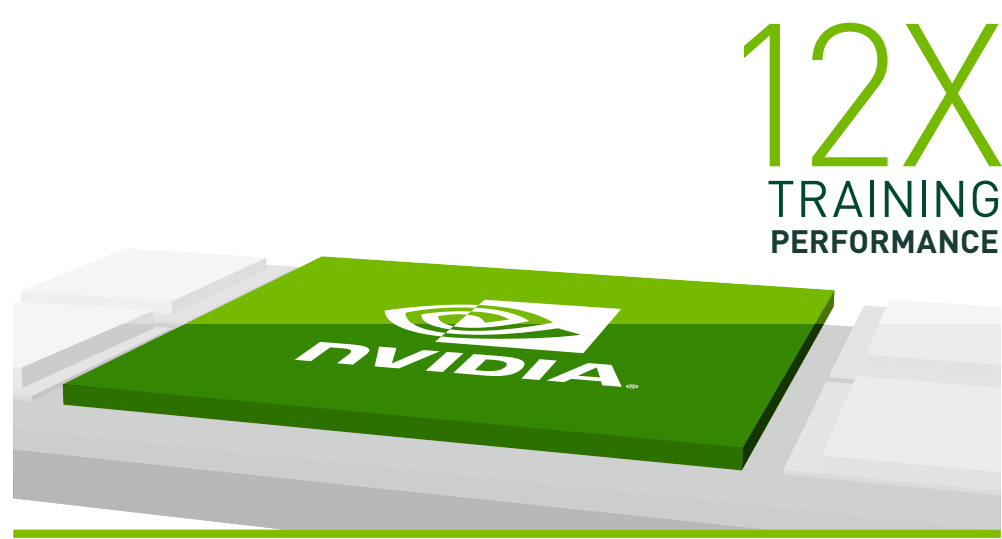
APPLICATION PERFORMANCE: COMPUTE VS COMMUNICATE



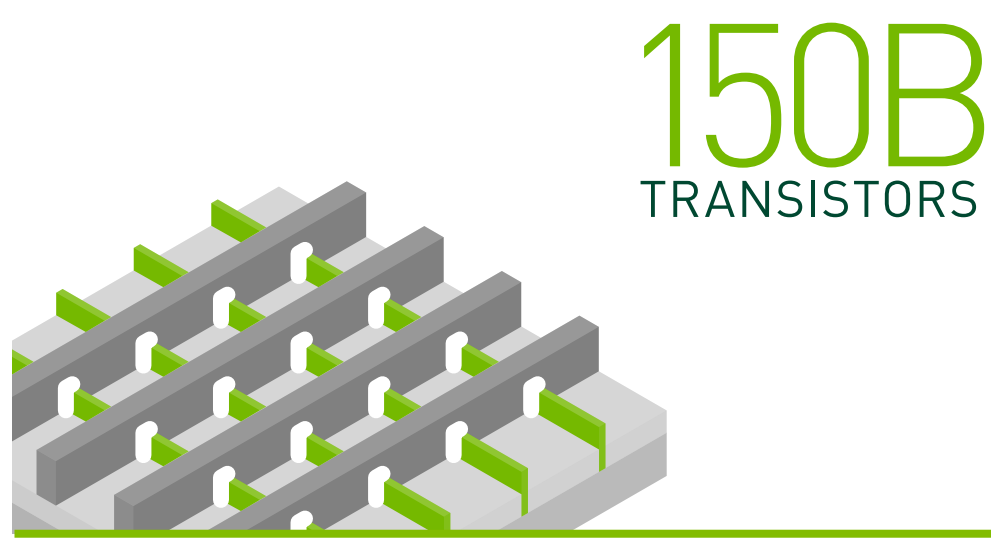
Time lost to network latency and energy spent communicating across complex networks infrastructure results in performance inefficiencies.

Removing the bottleneck saves time and energy. Completing tasks in a fraction of the time.

FIVE BREAKTHROUGHS LEAPS IN TECHNOLOGY TO DRIVE COMPUTE EFFICIENCY



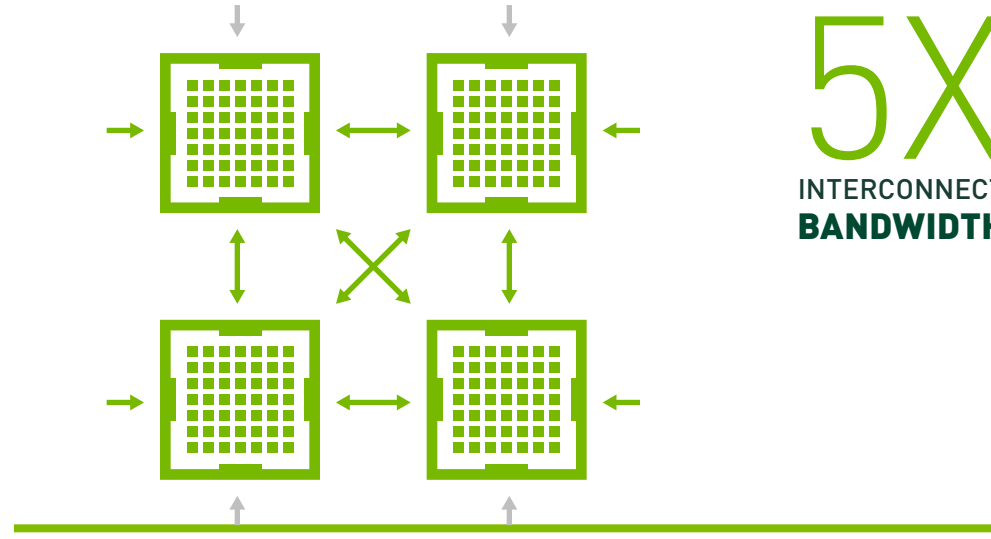
LEAP IN NEURAL NETWORK TRAINING PERFORMANCE WITH NEW NVIDIA PASCAL ARCHITECTURE



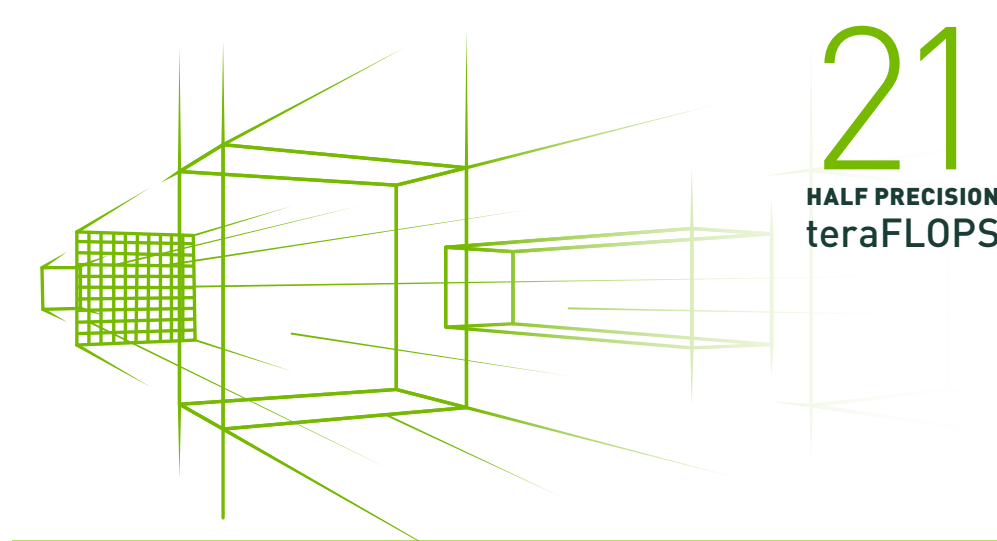
FABRICATED WITH 16 NANOMETER FINFET FOR UNPRECEDENTED ENERGY EFFICIENCY



WITH CoWoS® WITH HBM2 COMPARED TO NVIDIA MAXWELL™ ARCHITECTURE FOR BIG DATA WORKLOADS



WITH NVIDIA NVLINK™ FOR MAXIMUM APPLICATION SCALABILITY



DELIVERED BY NEW AI ALGORITHMS FOR PEAK PERFORMANCE DEEP LEARNING

What Challenge Will You Solve?

Explore what the latest breakthrough in GPU acceleration can help you achieve, discover, and solve today.

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