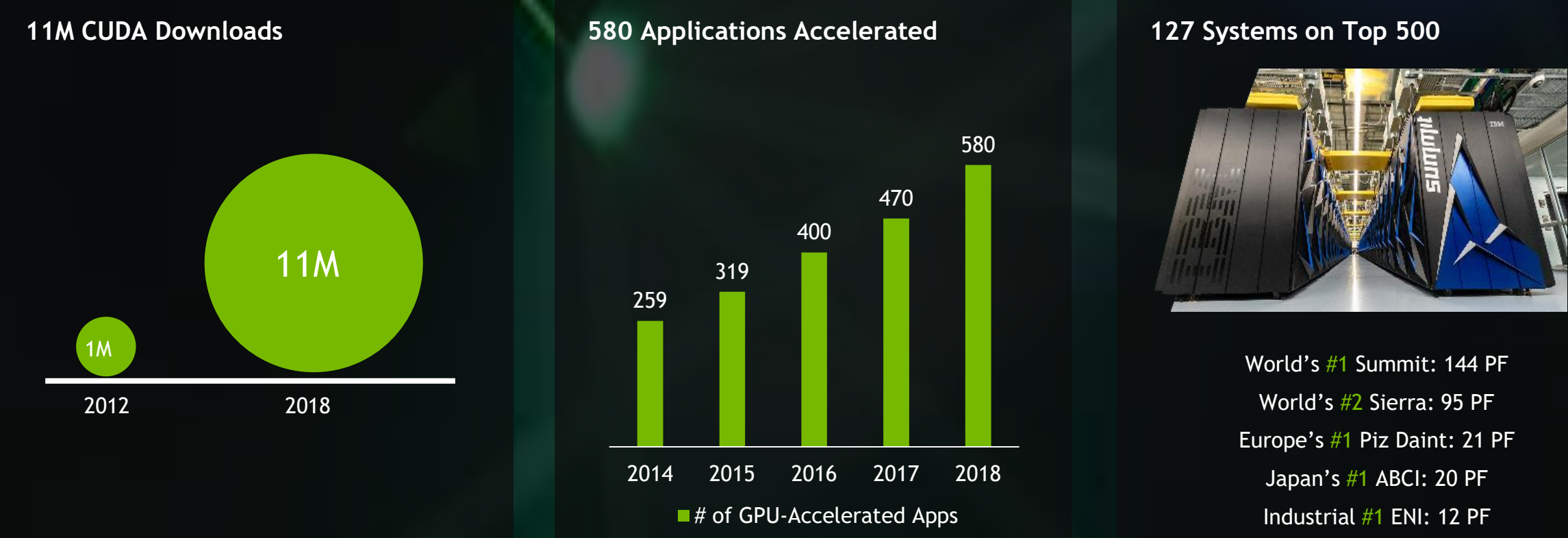
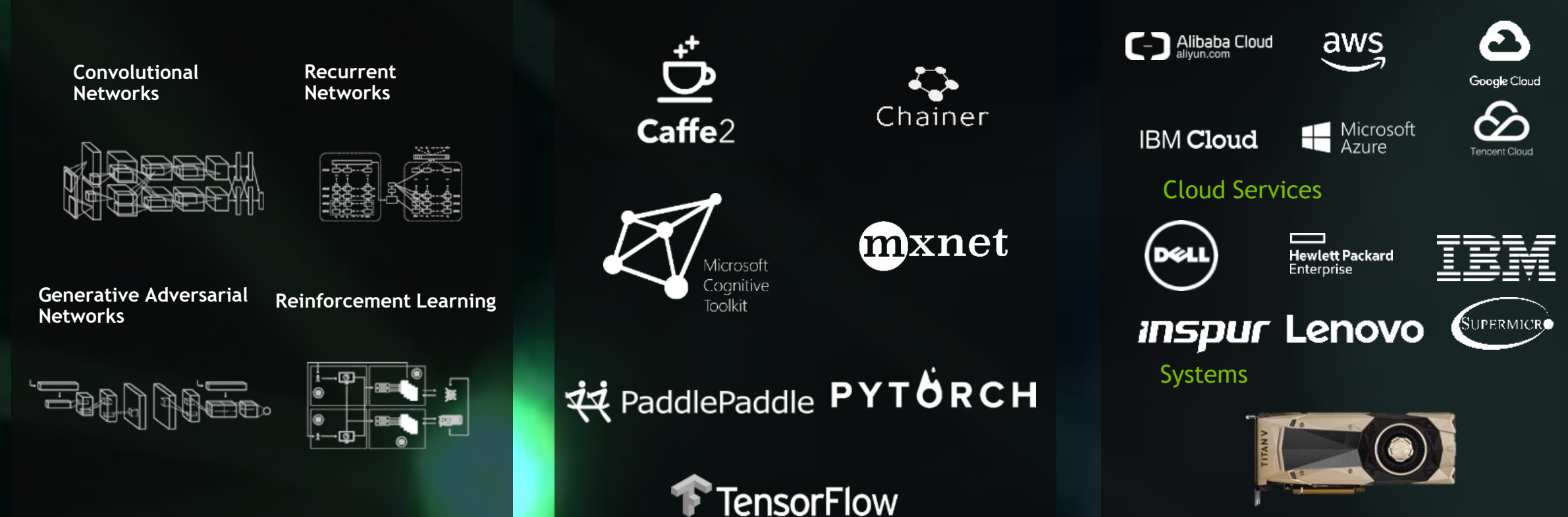


MOST ADOPTED PLATFORM FOR ACCELERATING HPC



11X CUDA DOWNLOADS | ALL TOP 15 APPLICATIONS ACCELERATED | NEW HIGHS IN TOP 500 LIST

MOST ADOPTED PLATFORM FOR ACCELERATING AI



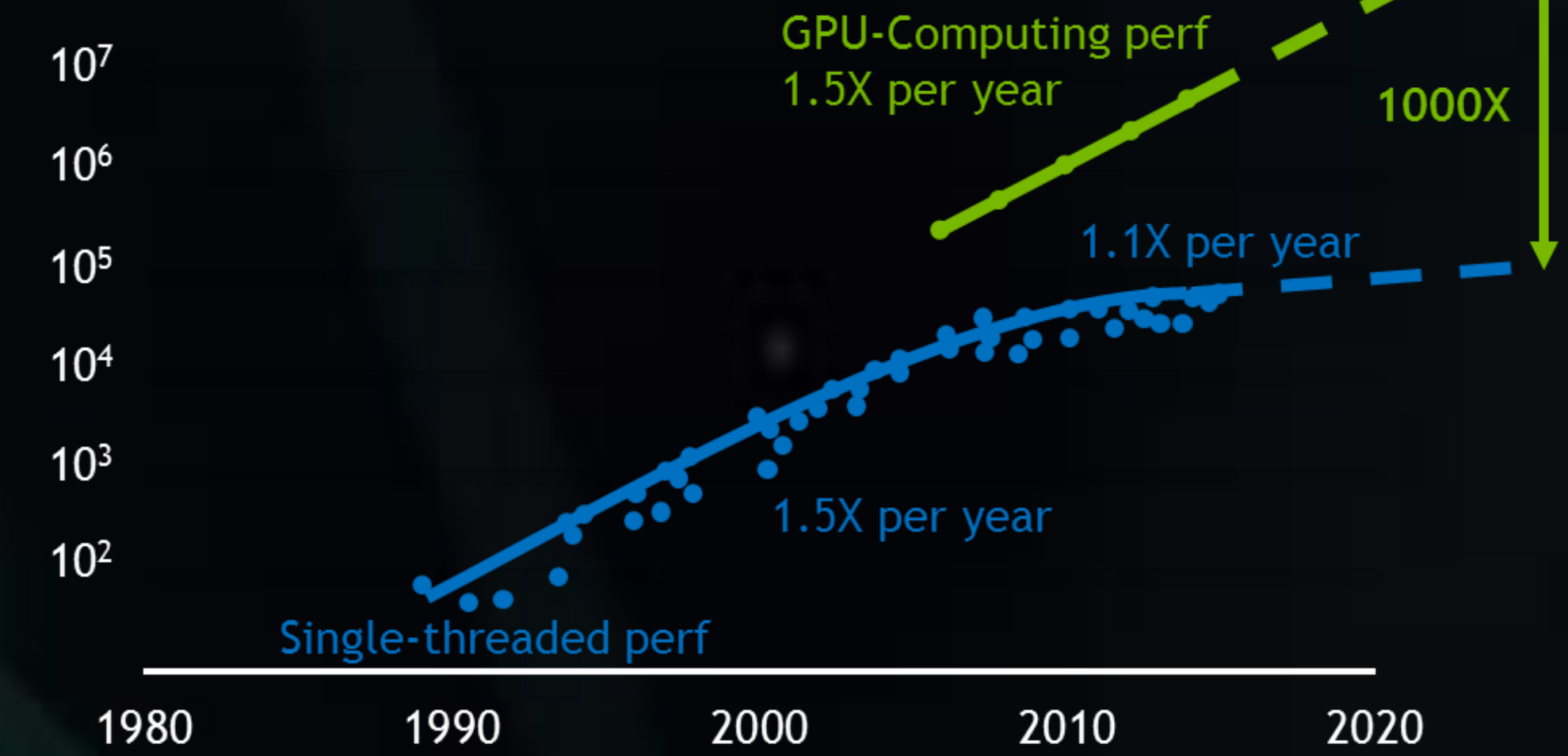
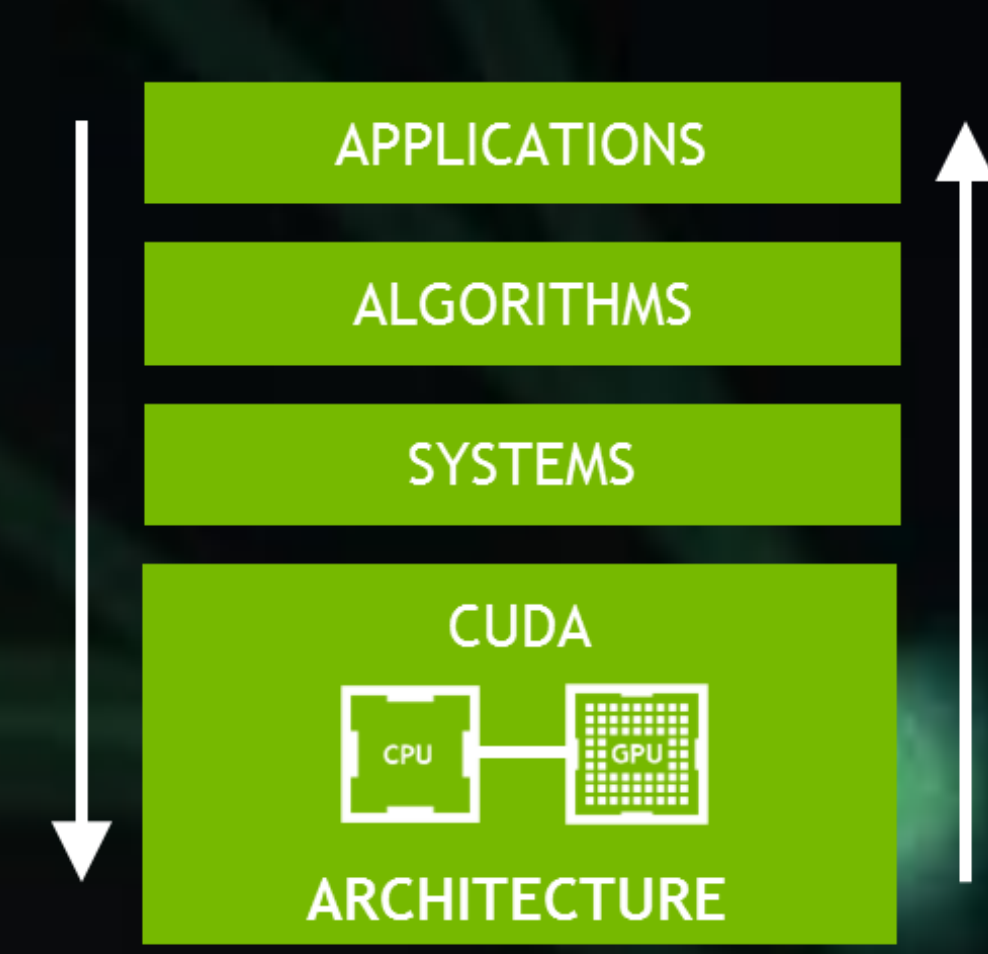
BROADEST ARRAY OF NETWORKS | EVERY DEEP LEARNING FRAMEWORK ACCELERATED | AVAILABLE EVERYWHERE

NVIDIA POWERS WORLD'S FASTEST SUPERCOMPUTERS

22 of Top 25 Greenest



RISE OF GPU COMPUTING



- RAY TRACING
- MATERIALS
- WEATHER AND CLIMATE
- NUMERICAL ANALYTICS

TESLA V100

WORLD'S MOST ADVANCED DATA CENTER GPU

- 5,120 CUDA cores
- 640 NEW Tensor cores
- 7.8 FP64 TFLOPS | 15.7 FP32 TFLOPS | 125 Tensor TFLOPS
- 20MB SM RF | 16MB Cache
- 16GB/ 32GB HBM2 @ 900GB/s | 300GB/s NVLink

24/7 Uptime

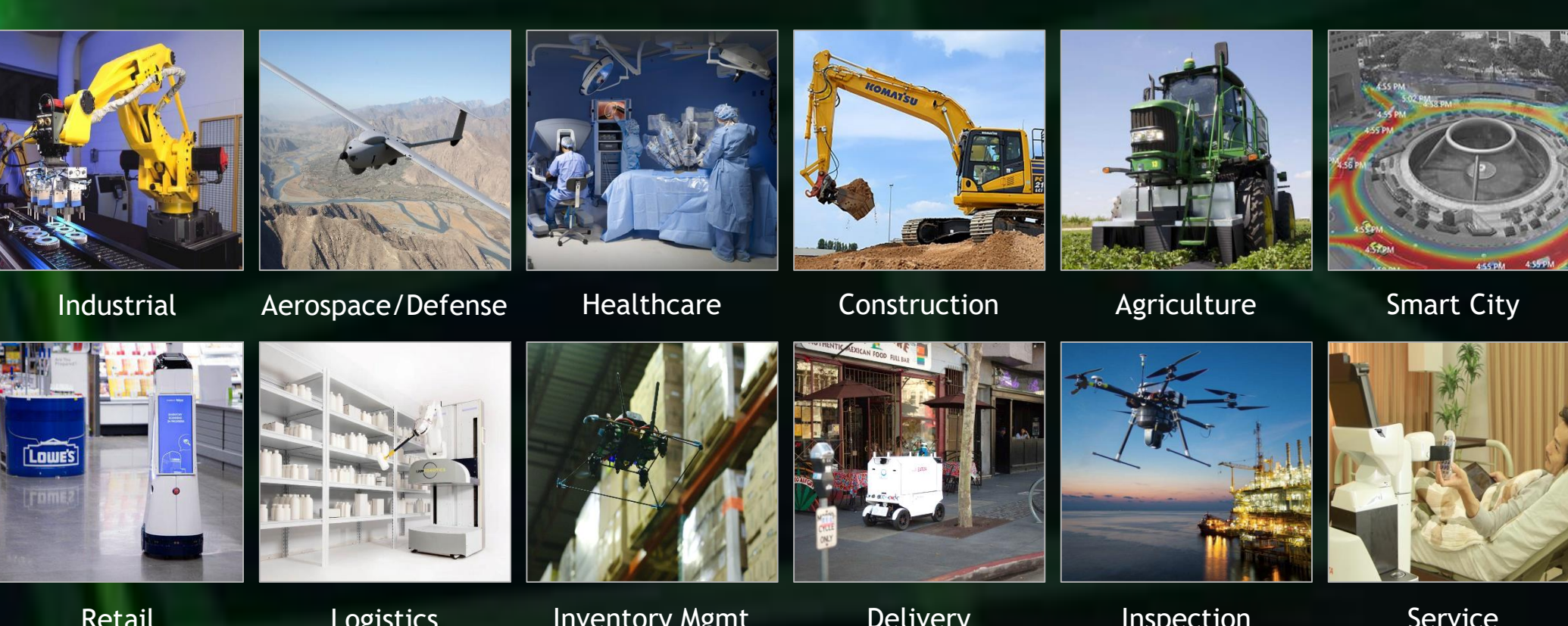
Data Center Ready | Scalable Performance

NEW NVIDIA DGX-2

The Largest GPU Ever Created

- 16x Tesla V100 32GB
- 12x NVSwitch
- NVLink Plane Card
- 8x EDR IB/100 GigE
- 2x Xeon Platinum
- 1.5TB System Memory
- PCIe Switch Complex

2 PFLOPS | 512GB HBM2 | 16 TB/sec Memory Bandwidth | 10 kW / 160 kg



NVIDIA AGX
Family of Systems for Embedded AI HPC

Self-driving cars
Robotics
Smart Cities
Healthcare

- MEDICAL IMAGING
- BIOINFORMATICS
- DATA SCIENCE
- DEEP LEARNING
- IMAGING & COMPUTER VISION
- COMPUTATIONAL CHEMISTRY
- COMPUTATIONAL FLUID DYNAMICS
- COMPUTATIONAL STRUCTURAL MECHANICS

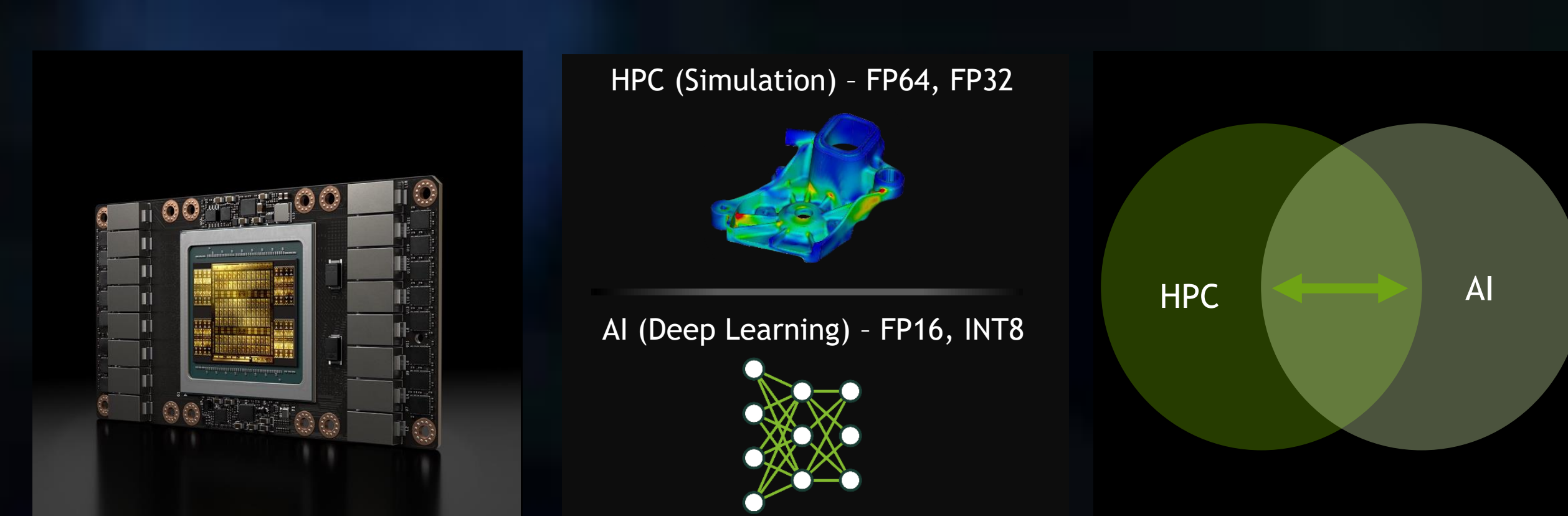
ONE PLATFORM — CUDA

NVIDIA ACCELERATION PLATFORM

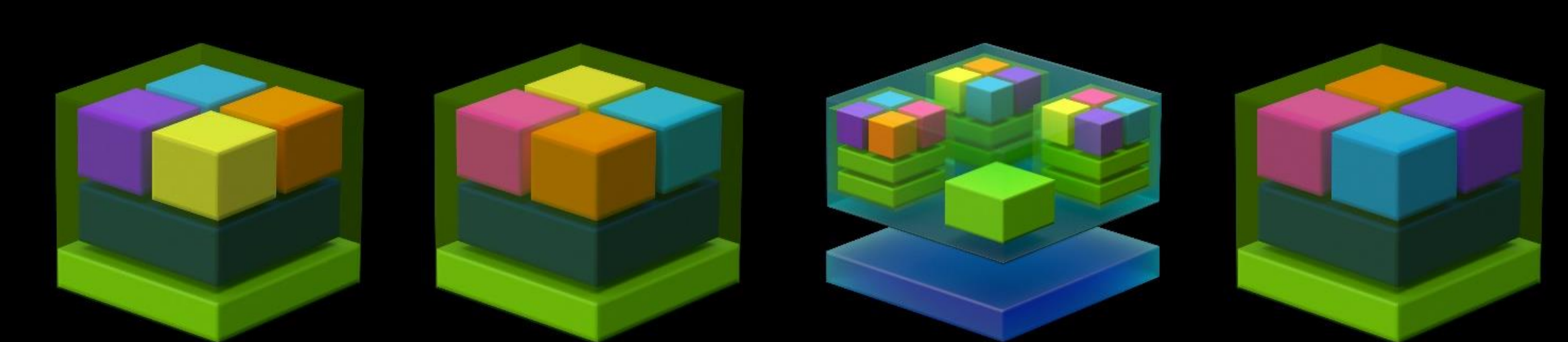
Single Platform To Drive Utilization and Productivity

CUSTOMER USECASES	Speech, Translate, Recommender (CONSUMER INTERNET)	Healthcare, Manufacturing, Finance (INDUSTRIAL APPLICATIONS)	Molecular Simulations, Weather Forecasting, Semantic Mapping (SUPERCOMPUTING)
APPS & FRAMEWORKS	python	TensorFlow, PYTORCH, mxnet, RAPIDS, DNNX, KALDI	Amber, ANSYS, SIMULIA, +550 applications
NVIDIA SDK & LIBRARIES	MACHINE LEARNING RAPIDS: cuDF, cuML, cuGRAPH	DEEP LEARNING: cuDNN, cuBLAS, CUTLASS, NCCL, TensorRT	SUPERCOMPUTING: CuBLAS, CUFFT, OpenACC
TESLA GPUs & SYSTEMS	TESLA GPU, VIRTUAL GPU	NVIDIA DGX FAMILY, NVIDIA HGX	SYSTEM OEM, CLOUD

TENSOR CORE GPU FUSES HPC & AI COMPUTING



VOLTA TENSOR CORE GPU | MULTI-PRECISION COMPUTING | FUSION OF HPC & AI



NVIDIA HPC ACCELERATION STACKS