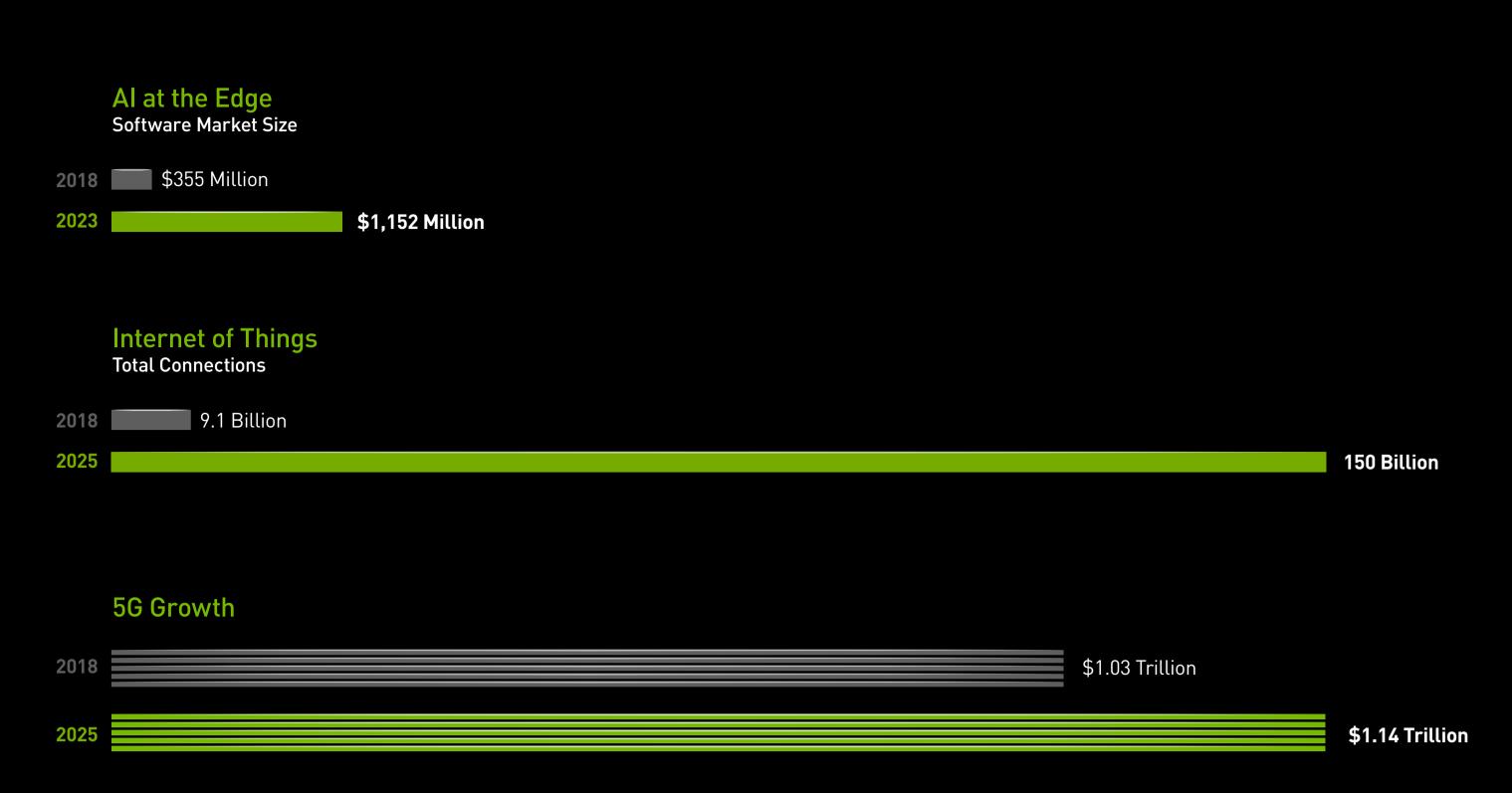


THE NETWORK IS ADVANCING

5G—the next technology evolution in telecommunications (telco)—is rapidly approaching. And it's poised to offer major benefits to the industry. In the next five to ten years, the market for AI at the edge, the number of connected devices, even revenues and investments are projected to grow exponentially.



NEW SERVICES AT THE 5G EDGE

This growth represents more than a business opportunity for telcos. With 5G and the massive expansion of connected devices, new capabilities and services will be accelerated at the edge in almost every industry:



SMART CITIES









ON PURPOSE-BUILT PLATFORMS But this wave is coming at a challenging time. Costs are rising to support an explosion of data, and revenue is flat. That means telcos need a cost-efficient infrastructure for 5G. One that is

CURRENT NETWORKS ARE DEVELOPED

software defined and can serve multiple purposes.

They need to upgrade their networks while reducing costs and improving service quality.

A NEW KIND OF NETWORK

The key is a solution with high programmability, scalable performance, and commercial off-the-shelf (COTS) availability. Combined with GPU acceleration, new exciting services such as AI, augmented reality (AR), virtual reality (VR), and immersive gaming become possible at the telco edge.



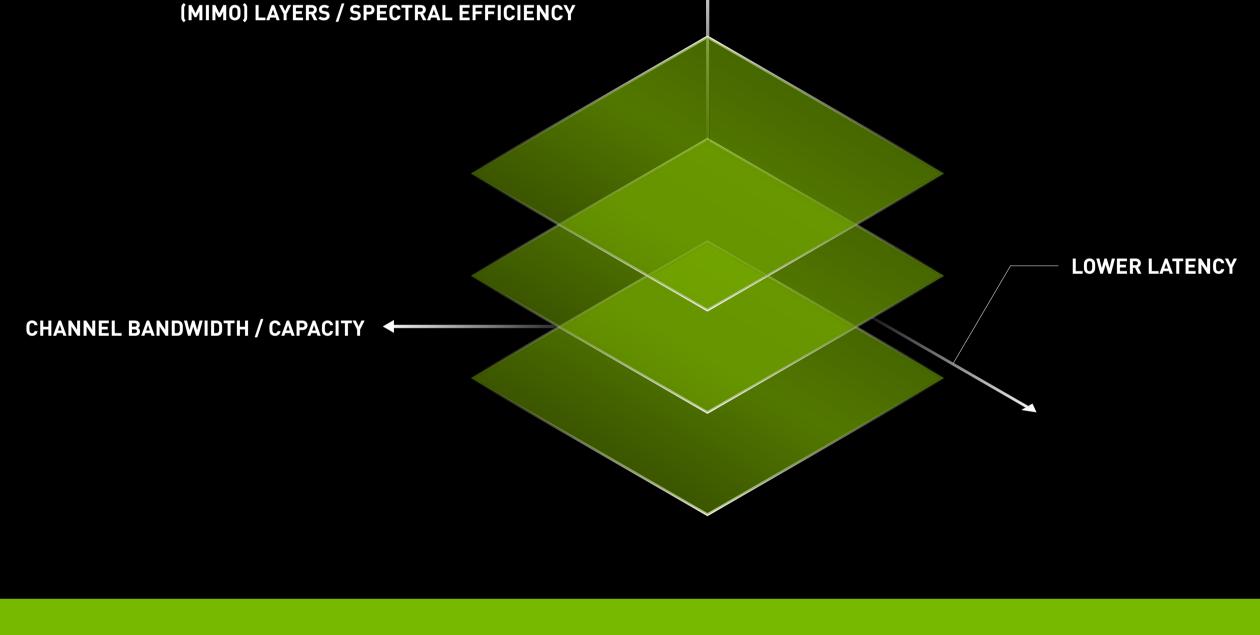
WHAT IS PROGRAMMABILITY?

to third parties to integrate new capabilities and services.

The more programmable a network is, the more providers can open it up

MULTIPLE-INPUT AND MULTIPLE-OUTPUT

Telcos Need a High-Performance, Scalable Solution



INTRODUCING THE GPU-ACCELERATED 5G NETWORK

NVIDIA brings the power of GPUs to 5G with a software-based solution that can

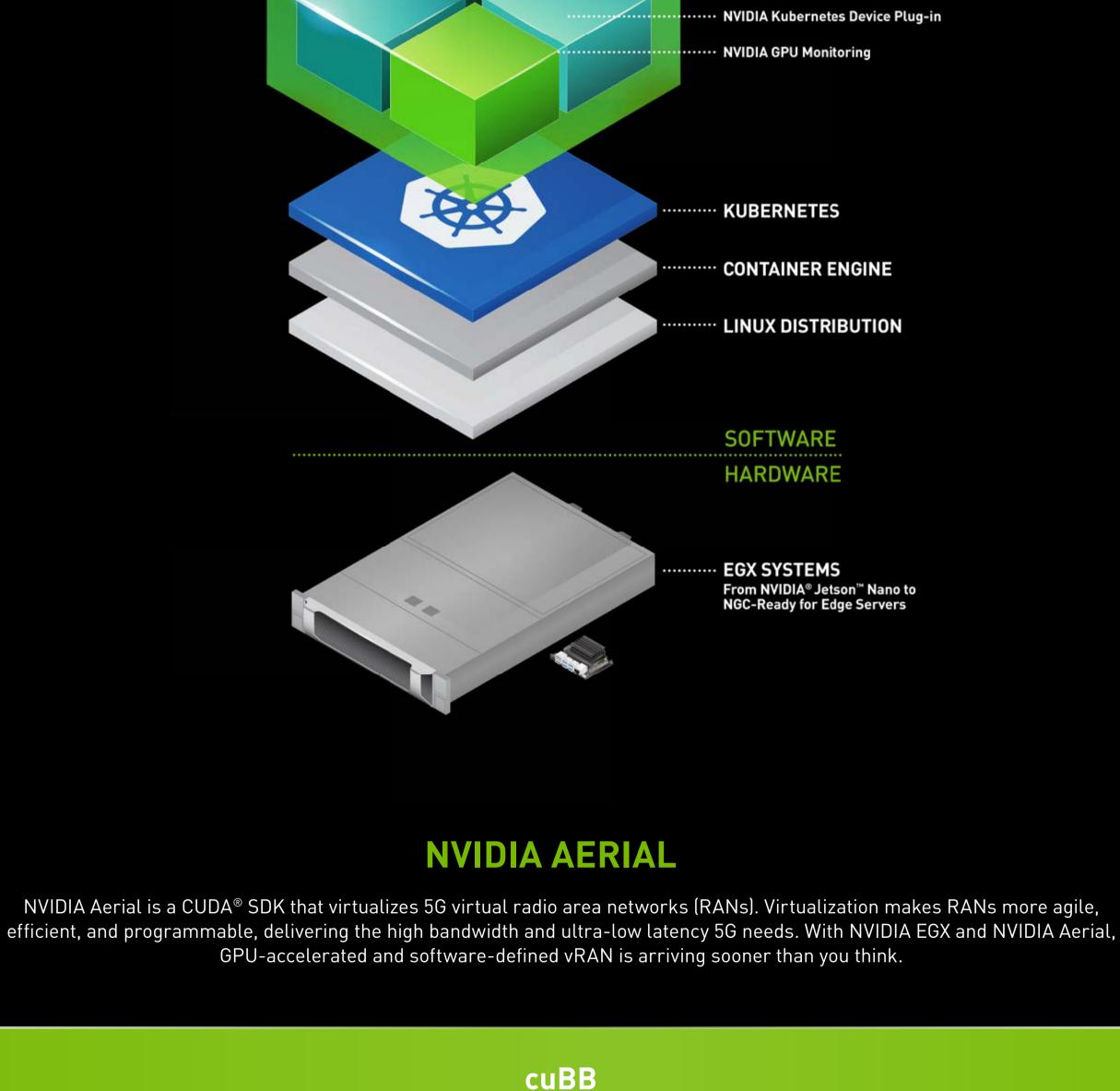
help telcos realize the full potential of these newest, advanced technologies.

NVIDIA EGX

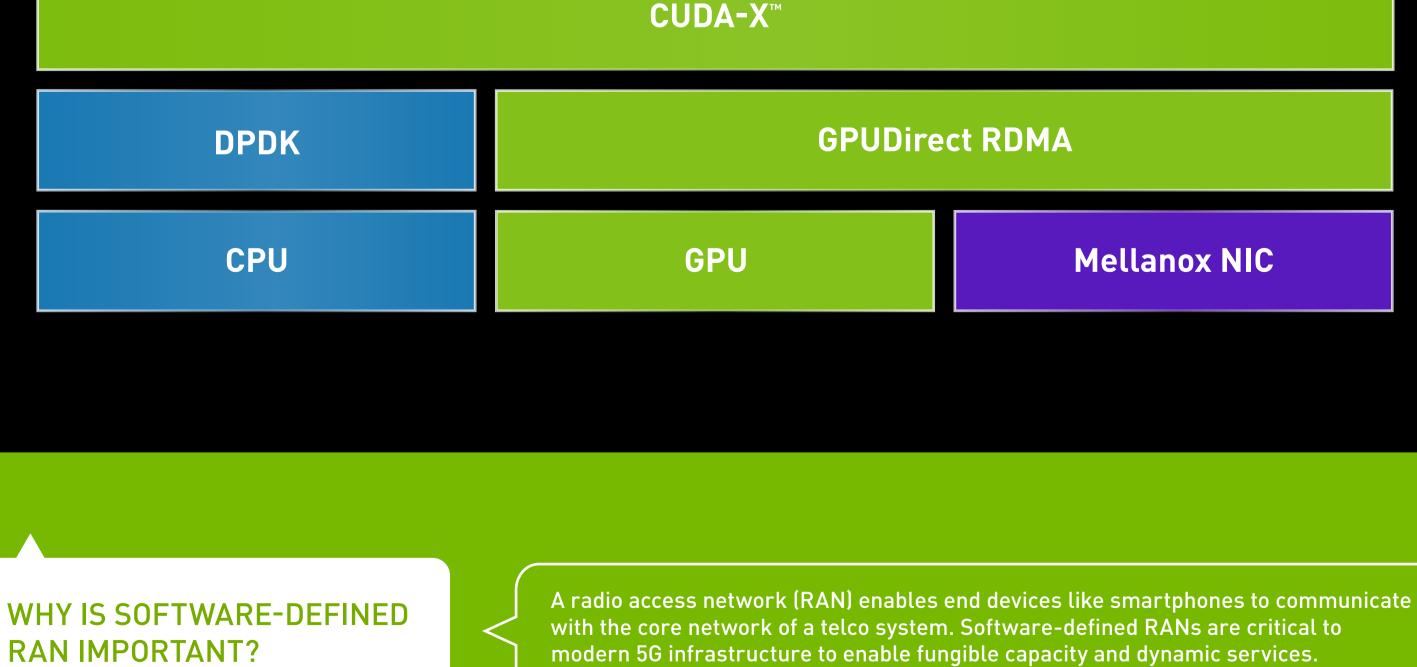
The NVIDIA EGX platform delivers GPU-accelerated AI to the network's edge. Its powerful, cloud native software stack can analyze continuous streams of data in real time, making new 5G services possible.

GPU OPERATOR

····· NVIDIA Container Runtime



cuVNF



The Value of NVIDIA Aerial



COST-EFFECTIVE

Software-based means that telcos can quickly

upgrade to new technologies and features at

low cost.







Cloud native, scalable software enables computing platform in the world, it's available easy provisioning of GPU servers. radio and edge applications. on every cloud and through every OEM.

Accelerate AI at the Edge and Unleash the Full Potential of 5G

Learn more about EGX: https://www.nvidia.com/en-us/data-center/products/egx-edge-computing

Learn more about Aerial: https://developer.nvidia.com/aerial-sdk