

## NVIDIA Provides U.S. Postal Service AI Technology to Improve Delivery Service

### Advanced AI System to Process Package Data 10x Faster with Higher Accuracy

GTC DC -- NVIDIA today announced that the United States Postal Service - the world's largest postal service, with 485 million mail pieces processed and delivered daily - is adopting end-to-end AI technology from NVIDIA to improve its package data processing efficiency.

The new system starts with high-performance servers powered by [NVIDIA V100 Tensor Core GPUs](#) and deep learning software to train multiple AI algorithms. The trained models are then deployed to [NVIDIA EGX edge computing systems](#) at close to 200 Postal Service facilities throughout the U.S. to enable more efficient package data processing. The NVIDIA-powered systems are being purchased by the Postal Service under contract with Hewlett Packard Enterprise.

"AI is transforming multiple industries, enabling processes, accuracy and efficiency not possible before," said Anthony Robbins, vice president of the Federal Sector Business at NVIDIA. "The U.S. Postal Service's adoption of AI demonstrates how this powerful technology can improve an excellent service that we rely on every day. Benjamin Franklin would be proud."

The Postal Service operates the world's highest volume logistics operation, processing and delivering some 146 billion pieces of mail annually, including more than 6 billion packages. The new AI system will process package data 10x faster and with higher accuracy.

Engineering teams from the Postal Service and NVIDIA have been collaborating for several months to develop AI models, using NVIDIA software including [TensorRT™](#) for high-throughput, low-latency inference optimization; automatic mixed precision in PyTorch to accelerate training while maintaining model accuracy; [NGC containers](#), which are GPU-optimized for streamlining software deployment; and DeepOps tools for optimizing GPU clusters.

Delivery and testing of the system will start this year and it is expected to be fully operational by spring of 2020.

#### About NVIDIA

[NVIDIA](#)'s (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionized parallel computing. More recently, GPU deep learning ignited modern AI — the next era of computing — with the GPU acting as the brain of computers, robots and self-driving cars that can perceive and understand the world. More information at <http://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to the benefits, impact, and performance of NVIDIA V100 Tensor Core GPUs with deep learning software, and the United States Postal Service's adoption of AI; and the expected timing of delivery, testing and readiness of the AI system are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. 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 or 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.

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#### Media Contacts

Ken Brown  
+1-408-486-2626  
[kebrown@nvidia.com](mailto:kebrown@nvidia.com)