

# Accelerate ADAS/AD Development with AI Cloud

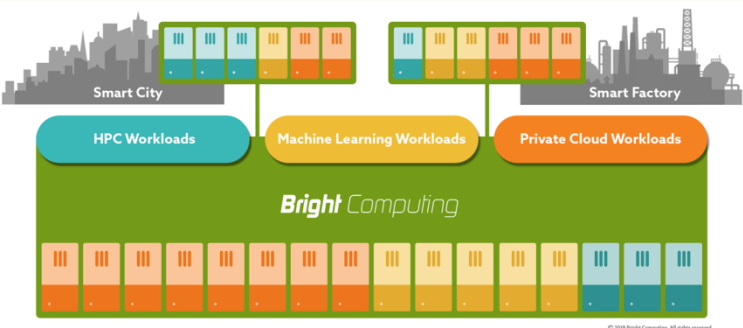
## Problem

Advanced Driver Assistance System / Autonomous Driving (ADAS/AD) development relies on massive amounts of real-world training data, consisting of data gathered over the course of millions of miles of test driving and thousands of concurrent simulations. To be successful, auto manufacturers must be able to simultaneously ingest thousands of concurrent streams from around the globe, apply artificial intelligence (AI) techniques to Petabyte size training data sets and archive these datasets for decades to come.

## Dell Technologies Solution

Dell EMC Isilon scale-out NAS delivers the performance and scalability to accelerate time to market and remain competitive in the ADAS space. Already in use today by many of the leading ADAS developers, Isilon's all-flash performance enables concurrent ingest of vehicle sensor coupled with concurrent, high bandwidth access to data for embedded system development and data-intensive AI solutions.

## Auto Scaling Hybrid Cloud with Bright Cluster Manager



### Policy-based auto-scaling of HPC and K8s Clusters Edge to Core to Cloud

Dell Technologies partners with Bright Computing to automate end-to-end provisioning, management and monitoring of compute infrastructure and machine learning workloads – on-premises, at the edge, and in the cloud. Bright Cluster Manager provides ease-of-use orchestration through Kubernetes and the popular HPC schedulers and Bright Data Science enables data scientists to become immediately productive.

## Redefine Hybrid-Cloud for ADAS / AD with Bright & Dell

ENHANCE SAFETY | ACCELERATE TIME TO MARKET | IMPROVE MODEL ACCURACY



### Massive Parallelism

1000's of concurrent data connections to Deep Learning and HiL/SiL test environments



### Accelerated Innovation

All-Flash performance feeds the data starved compute layer to accelerate cycles of learning



### Simplified Management

Enterprise features simplify compliance, protection, security, and data management



### Effortless Scalability

Seamless scalability from TBs to PB's as sensor data stores grow, with up to 80% storage utilization

## Concurrent Data Streams for ADAS

