How can companies manage deep learning in an industrial scale?

DXC Technology and Brytlyt simplify deep learning model deployment life cycles and management for real-time predictions in the manufacturing industry

THE CHALLENGE

According to Gartner, over 50% of machine learning models do not make it to production. One of the main factors for this is that once a model is put in production it needs constant monitoring, retraining, and re-deployment because of changing data or changing business needs. This is the case for the manufacturing industry where sensors for multiple machines can be used to build predictive models for several measures such as energy consumption or for maintenance prediction. The sheer quantity of sensors and machines makes this task too cumbersome for any company.

THE SOLUTION

DXC and Brytlyt offer an integrated platform that includes data pipelines, a GPU-accelerated cache, a business intelligence tool, integrated Jupyter environments, and model management tools that have been designed to accelerate machine learning workflows with in-database AI. It includes a library of deep learning models that can be customized and an easy-to-use model management interface that effectively reduces the overhead of deep learning production deployment. The platform can be integrated with any data source and existing architectures.

IMPACT

Companies can have their models in production with 3x less code, 6x times more productivity, and 9x faster onboarding times, leading to significant savings on resources and obtaining the full advantage that deep learning models can bring to manufacturing use cases.

BRYTLYT

Brytlyt's platform is simplifying business intelligence and machine learning workflows by offering a GPU-accele-rated cache with integrated in-database AI and simple model deployment methods.

Brytlyt is mainly targeting customers in the manufacturing, automotive, telco, and smart cities industries. Their focus is on applications in business areas such as real-time data analytics, predictive maintenance, and deep learning model management.

HEADQUARTERS
United Kingdom, Kent

FOUNDED
2013

NO. OF EMPLOYEES
11 – 50

WEBSITE
brytlyt.io

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CONTACT FOR THIS PROJECT

Roberto Sampietro
Ventures Associate
STARTUP AUTOBAHN powered by
Plug and Play
r.sampietro@pnptc.com

ABOUT STARTUP AUTOBAHN

STARTUP AUTOBAHN powered by Plug and Play is an open innovation platform that provides an interface between innovative tech companies and industry-leading corporations. The basis of the program is the partnership that develops between startups and the corporate business units. The two entities hold an equal footing from the get-go: together they evaluate the potential for a joint venture, move forward to pilot the technology, and work to achieve the ultimate goal – a success-ful production-ready implementation. Designed with the intention to exceed startup acceleration, STARTUP AUTOBAHN powered by Plug and Play moderates a community for collaboration with a focus on implementable results. Over the years, the platform has successfully cultivated over 400 projects with more than 300 startups since its founding in 2016.