Executive Summary Sheet

brytlyt

Accelerating value from Data

Speed of thought Analytics

Martin Visser | June 2021 | Version 1

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Accelerating Value from Data

Brytlyt's software enables organisations to capitalise on data assets, reduce data processing costs and accelerate the normal time-to-value.

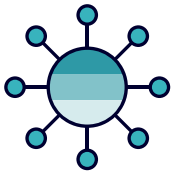
Brytlyt, a UK start-up, is on a mission to deliver speed-of-thought analytics, helping organisations unlock more value from their data. Brytlyt's software accelerates and simplifies data analysis using the massively parallel processing capabilities of Graphics Processing Units.

Coupled with interactive visualisation and direct support for machine learning models, Brytlyt's technology powers predictive analytics applications – generating insights across industries such as Telecoms, Energy, Geospatial and Transport.

Quality, constant innovation, and a powerful desire to meet the most challenging goals are the core Brytlyt values that enable our customer's success.

What we do

The core of our software is the BrytlytDB database, based on the industry standard PostgreSQL database technology. Brytlyt has enhanced the database to exploit the processing power of GPUs. This delivers millisecond query response against datasets that would normally require extensive pre-processing. This dramatically reduces the time to generate answers, lowers costs, and frees data scientists to focus on developing further insights.



brytlyt DB

The fastest and most advanced GPU database in the world.

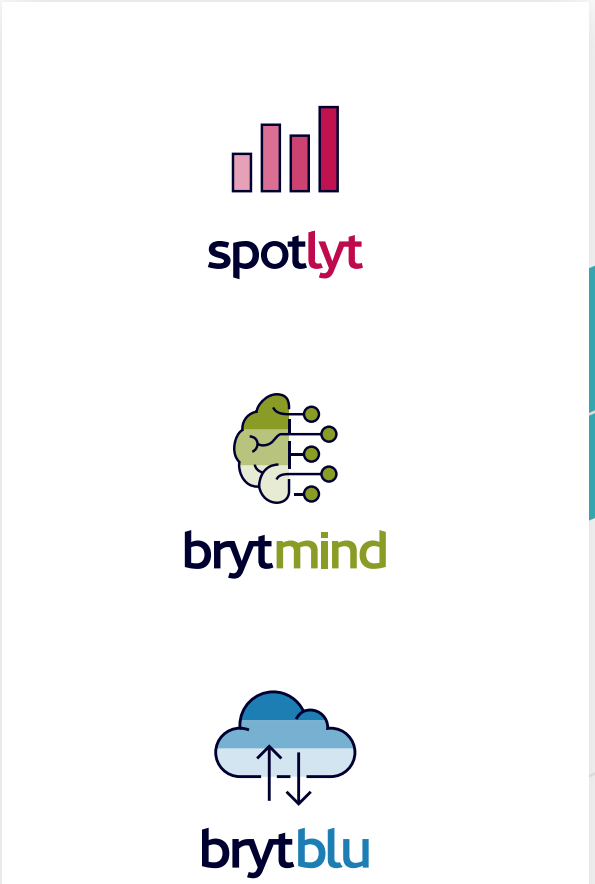
- High-speed ingest and query performance
- No pre-aggregation, reducing time and cost
- Complete flexibility of analysis
- Based on industry standard PostgreSQL
- Seamless integration with any ETL, development or analysis tool.

Brytlyt also uses the power of GPU processing to generate map tiles at run-time, allowing customers to utilise or deliver truly interactive, map-based dashboards in conjunction with our web-based workbench, Spotlyt.

With an extensive range of off-the-shelf connectors to PostgreSQL, Brytlyt customers have the option to continue to use their BI tools of choice, eliminating the need for users to learn a new interface.

Machine learning workflows are greatly simplified through BrytMind. Data in tables within BrytlytDB is exposed as tensors through a Pytorch interface which allows for zero data extraction. BrytMind also allows models to have direct access to GPU-resident database tables for writing as well as reading – enabling a high-performance, closed-loop system.

Making GPU power available and affordable, Brytlyt now offers a serverless cloud implementation. The pay-for-use model scales to meet workload requirements, whilst GPU processing completes workloads so quickly and efficiently that overall processing costs are drastically reduced.



Reduce Data Processing Costs Up to 30x

- Up to 10x through massively parallel GPU processing
- Additional savings of 3x through serverless deployment
- Pay only for compute time used

Brytlyt - Helping customers

With the wealth of satellite and drone data now available, geophysicists are generating a range of new insights. Brytlyt is making it easy to get those insights into customers' hands. The technology platform is built on Spotlyt and BrytlytDB, and it enables customer's geophysical engineers to interactively analyse satellite information using a natural map interface that then drives complex background calculations.

Telco analysts are empowered with powerful interactive dashboards to analyse mobile location data in any dimension.

New Analytics Offerings
New Revenue Streams

- Delivering customer-accessed portals to generate additional revenue from existing data assets
- Advanced analytics and interactibe visualisations

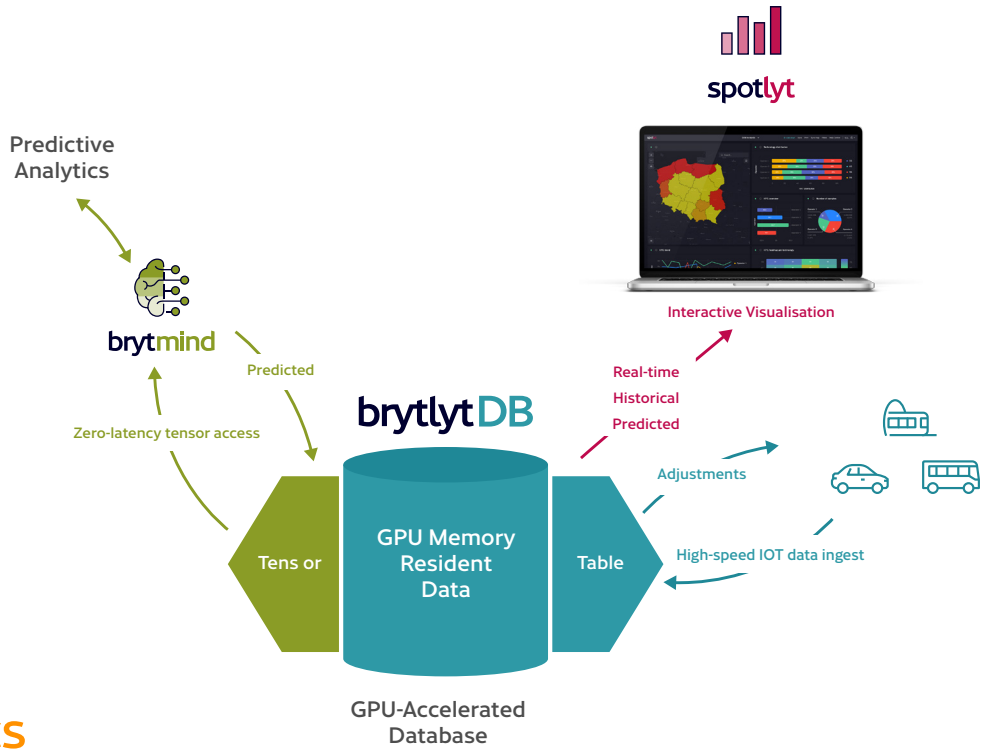
Increase Time to Value
From days to seconds

- Enable new use cases without data pipelines
- Instant aggregation, filtering, and visualisation of data
- Insights without waiting

The time-to-value of analytics use cases enabled by the Brytlyt software is near instantaneous by removing the need for complex data processing pipelines. The accelerated GPU processing allows for instant aggregation, filtering, and visualisation of data enabling new use cases without having to build new data pipelines.

Traffic monitoring and management is propelled into the future with end-to-end integration from real-time ingest of multimodal transport data through to predictive analytics.

The low end-to-end latency allows autonomous decision-making processes to have the best data available, whether for rerouting, rescheduling or other critical adjustments.



Close-loop Predictive analytics

About Brytlyt

Founded in 2013, Brytlyt's experience in developing data analytics solutions spurred the mission to deliver data analytics simply, affordably and faster than ever before – in short, speed-of-thought analytics.

We see data as an asset that should deliver significant value to our partners and our customers. We complement their data and domain expertise with Brytlyt's software platform, which enables exciting advances in analytics solutions.

Currently supporting production deployments globally, Brytlyt welcomes the opportunity to discuss how we can address your analytics requirements.

Get in touch

Transform how you uncover insights in data today.

CONTACT US