

DATA PROCESSING AT THE SPEED OF THOUGHT

Highlights

- Plasma Engine outperforms all CPU-bound stream processing softwares by up to 1000x
- The first data processing engine to execute over 80% of its processing on GPUs
- Compatible with algorithms and programs written for Apache Spark
- SQL-based operations run at GPU speed resulting in unprecedented performance
- All caching is done in GPU memory to minimize data movement between CPU & GPU

Easy Installation

Plasma Engine is available via a Docker, AWS AMI, Azure VHD, or GCE Image, making installation quick and painless. Next you can easily move your existing Spark workloads over to Plasma Engine with no changes, or simply write your own Spark SQL, Java, Scala, Python, or R.

By exploiting the massive parallel processing power of the GPU, FASTDATA.io has created **the fastest stream processing software in the world**. Plasma Engine™ is the first GPU-native stream processing software to fully leverage NVIDIA GPUs and Apache Arrow for real-time processing of infinite data in motion.

To make going fast easy, we ported Apache Spark to Plasma Engine, enabling you to process existing Spark workloads **up to 1000x faster**. To put this caliber of performance in perspective, Plasma Engine can process 1 Terabyte of streaming data in seconds, where Spark takes hours.

Save time. Save money. Save the planet.

SAVE TIME



- 1000x faster means better decisions sooner
- Generate more revenue and new opportunities
- Create a better customer experience with faster and more accurate responses

SAVE MONEY



- Cut total real-time data processing cost by more than 50%
- Reduce power and space requirements by more than 95%
- Lower cost operations = more profitable business

SAVE THE PLANET



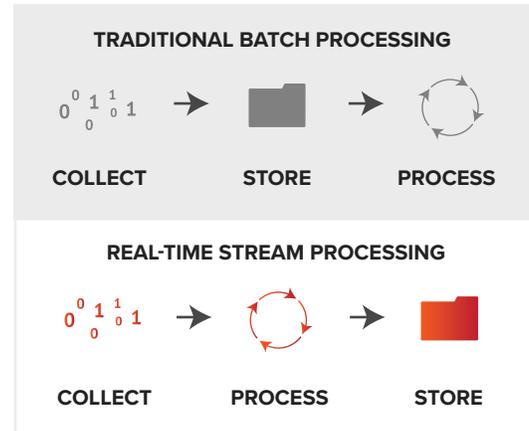
- 95% less power means 95% less CO₂ output
- More data processing, less greenhouse emissions
- Sustainable for your business and the environment

Who benefits from Plasma Engine?

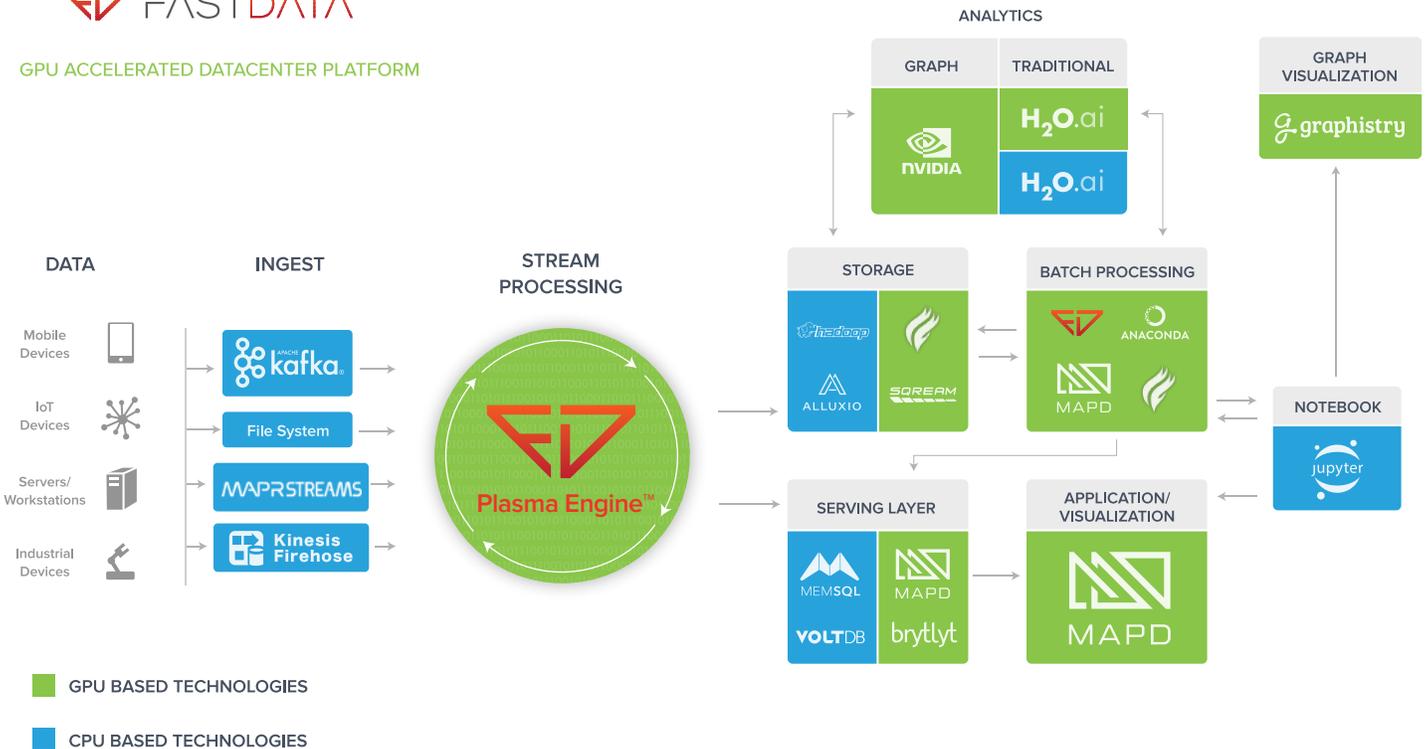
We built Plasma Engine to provide CTOs, product managers, software developers, and data engineers, scientists & architects with access to highly efficient real-time data analytics for business intelligence. Our goal is to give companies the ability to "wow" their customers, accelerate operations, and grow their business with the ability to process data at unprecedented speed and efficiency.

About our software

In order for every industry to take advantage of the NVIDIA GPU platform, an incredibly efficient software had to be written for it. FASTDATA.io developed exactly that: an equally performant and efficient software technology to transform data processing from **collect > store > process** to **collect > process > store**.



GPU ACCELERATED DATACENTER PLATFORM



FASTDATA IO

Sign-up now at fastdata.io and take Plasma Engine for a Test Flight today.