



T U R I U M



TURIUM

When we looked at the available technology, we saw products that were not complete on their own to provide total solutions, automated methods that fell short in the face of the adaptive situation, and an access rule that compelled enterprises to compromise on collaboration and data security in unacceptable ways. We saw a demand for an integrated AI technology that would require a different company to develop.

For years, we've consulted alongside our customers to build our Artificial Intelligence platform backwards, starting from solving the mission critical enterprise problems. Our goal is to provide the world's most seamless experience for working with real-time data, one that enables people to gain rich insights into their dynamic environment. To achieve this, we create intelligent platform products that unlock the value of big data by layering industry-preferred applications on top of a fully integrated human-augmented and machine-assisted analysis.



Presenting a brain-modeled data supremacy, which specializes in systems integration and interoperability solutions, with a focus on knitting disparate data sources, IoT devices, SaaS applications, and platforms together, so each component works together harmoniously, producing insights in real-time and delivering a capability greater than just the sum of its elements. A Hybrid Intelligence (HI) system that combines the very unique processing strengths of AI and the human brain to result in a perfect symbiosis. Think of FABRIQ as the virtual network of distributed neurons in the brain, linking historically siloed, disconnected systems to power smarter, more informed operations.



Presenting a Machine Learning Spawner that creates, trains, predicts, deploys, manages, and scales the entire ML life-cycle for mission-critical and future-ready enterprises.

Responsible AI

To build trust, it's critical that AI systems should operate reliably, safely, and consistently. It should be able to operate as they were originally designed, respond safely to unanticipated conditions, and resist harmful manipulation, especially in the hands of third-party organisations. When AI systems help inform decisions that have tremendous impacts on people's lives, it's critical that people understand how those decisions were made. The stakeholders can then identify potential performance issues, fairness issues, exclusionary practices, or unintended outcomes.

We are committed to delivering Responsible AI solutions through reproducible and automated workflows by keeping humans in the loop to assess fairness, explainability, error analysis, and performance. With our products, make real-life interventions with causal analysis in the responsible AI dashboard and generate a scorecard at deployment time. Contextualise responsible AI metrics for both technical and non-technical audiences to involve stakeholders and streamline compliance review.

Overall, we focus on providing privacy and interpretability features to our products, educating users on how to use them responsibly, and collaborating with advocacy organizations and the policy community on how AI technology may be utilized now and in the future, to safeguard human interests.

Brain-Modelled Data Supremacy

Hybrid Intelligence System:
Empowering Modern Enterprises
with a single source of truth.

Simplify the Complex: Achieve Data Supremacy

The environment is more technologically challenging than at any time in history due to knowledge silos and the turf wars they enable within an enterprise. Big data is being harvested in all departments, contributing to an overall unclear vision, disconnected strategy, and painful experiences. Winning against knowledge silos requires an overmatch not by breaking down your operations to treat each like a linear problem but, rather, via a brain-like system that provides a unified vision through data supremacy.

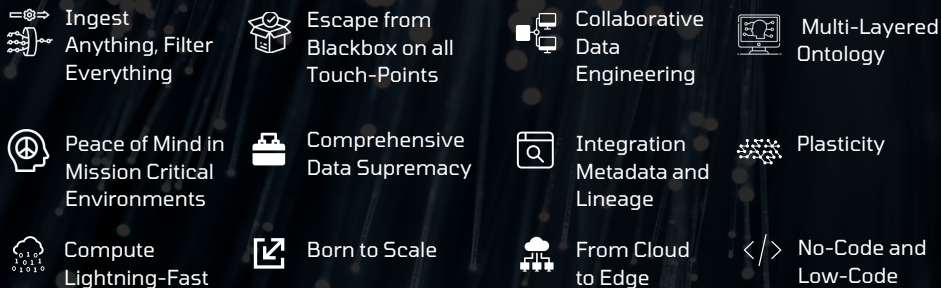
Data supremacy is a comprehensively transformative process that produces qualitative, well-curated, and highly contextual data to enable data literacy and real-time decision precision across the enterprise. There lies an unprecedented need to aggregate and process big data into knowledge for cognitive assimilation and decision-making. And this knowledge must be rapid, accurate, and continuous to enable decision superiority for the evolving, agile, amorphous modern enterprises.

Presenting FABRIQ[™], which specialises in systems integration and interoperability solutions, with a focus on knitting disparate databases, IOT systems, apps, and platforms together, so each component works together harmoniously, producing insights in real-time and delivering a capability greater than just the sum of its elements.

A Hybrid Intelligence (HI) system that combines the very different processing strengths of Artificial Intelligence and the human brain to result in a symbiotic powerful platform. Think of FABRIQ[™] as the virtual twins of distributed neurons in the brain, linking historically siloed, disconnected systems to power smarter, more informed operations.

Move beyond traditional ESB, ETL, or ELT tools, don't just connect the applications with the tools (do more than merely connecting the dots), enable bi-directional connection to operational and strategical systems, allowing decisions made in FABRIQ[™] to propagate holistically throughout the data supremacy landscape.

Intelligent Features



Multi-Layered Defense with Fabriq[™]

With FABRIQ[™], security and governance are thoughtfully built into every last layer. Our powerful internal defense starts from data to network, cloud, and endpoint edge security. Enterprises trust FABRIQ[™] as their secure and accountable infrastructure to maximise data-driven decisions while we make sure that the system completely safeguards an enterprise and always stays in accordance with the rules, regulations, and norms that govern the landscape.

Neuron-like Powerful Performance

AWAKE 24/7: SCALABLE, AVAILABLE, AND DEPENDABLE

FABRIQ[™] stays active 24/7 like the brain with an uptime of near 100%, processing tens of thousands of event triggers per second and supporting a large number of flows in a highly distributed environment. Fine-tune FABRIQ[™] for ultra-high performance usage cases or scale up and down as your enterprises' needs change.

FLEXIBLE PORTABILITY

Run the system on the cloud, on-premises, or even multi-cloud and hybrid-cloud environments at an enterprise scale.

NEAR-REAL TIME: EXTRA LOW-LATENCY

Triggers like nodes of ranvier are uninsulated and highly enriched in ion channels, allowing them to participate in the nerve conduction in which the information seem to "jump" from one node to the next along the axon.

Leverage FABRIQ[™]'s sophisticated edge caching technology in the low-latency pipeline for ultra-high-performance use cases for mission-critical enterprises.

An ML Spawner for Enterprise Capability Force Multiplier

End-to-end create, train, predict, deploy, govern
and scale machine learning life-cycle with
confidence for mission-critical and future-
ready enterprises.

End-to-end
ML
infrastructure
that unlocks
cumulative
value

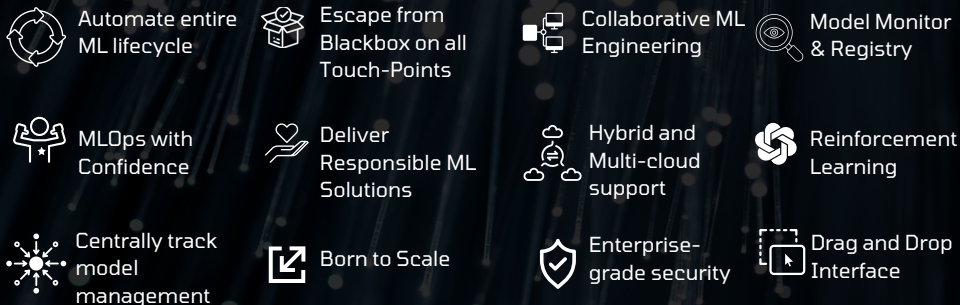
Most enterprise teams have varying levels of machine learning expertise, ranging from novice all the way to experts. To accelerate AI innovation through a data-driven decision precision for an overmatch against an adversary, you need a platform that can bring key decision makers, operational staff and data scientists together, offering a seamless yet flexible ML environment. This is where ALGOREUS comes in.

It offers a dedicated solution for training a high quality model life-cycle with minimal effort through AutoML or training your case-specific models from scratch with CustomML and even managing those produced by third-parties. We empower enterprise teams to build to protect against model drift and retain a competitive advantage by providing a solution to continuously test, iterate, and retest models before pushing them to systems at the edge. By pushing only quality transmissions, our software frees tactical bandwidth while providing greater strategic value for the strategic and operational chain of command.

It provides purpose-built tools to help you automate and standardise processes across the Machine Learning (ML) lifecycle. An ML Spawner that lets enterprises: train, test, troubleshoot, deploy, and govern ML models at scale to boost productivity across all chains of command while maintaining model performance in production with confidence.

It accelerates time to value with industry-leading machine learning operations, open-source interoperability, and integrated tools. The dependable platform is intended for responsible AI applications in machine learning, with fairness and explainability built in. ALGOREUS includes built-in governance, security, and compliance for operating machine learning workloads anywhere.

Intelligent Features



Fairness and Explainability by Design in ALGOREUS

The adoption of AI systems in regulated domains requires trust, which can be built by providing reliable explanations of the behaviour of trained models and how the deployed models make predictions. Use ALGOREUS Model Interpretability to white-box your model predictions in dashboards so that everyone in your chain of command that makes decisions can use the models with confidence. By detecting potential bias and helping explain the predictions that models make in ALGOREUS. It helps you identify various types of bias in pre-training data and in post-training that can emerge during model training or when the model is in production. It helps explain how these models make predictions using a feature attribution approach. The fairness and explainability functionality provided by ALGOREUS offers components that help build less biased and more understandable machine learning models. It provides tools to help generate model governance reports that you can use to inform risk and compliance teams, and external regulators.

SCALABILITY

It allows for massive scalability and administration by allowing thousands of models to be supervised, controlled, managed, and monitored for continuous integration, continuous delivery, and continuous deployment. ALGOREUS, in particular, enables more tightly-coupled communication across data teams, decreasing conflict with devops and IT, and boosting release velocity.

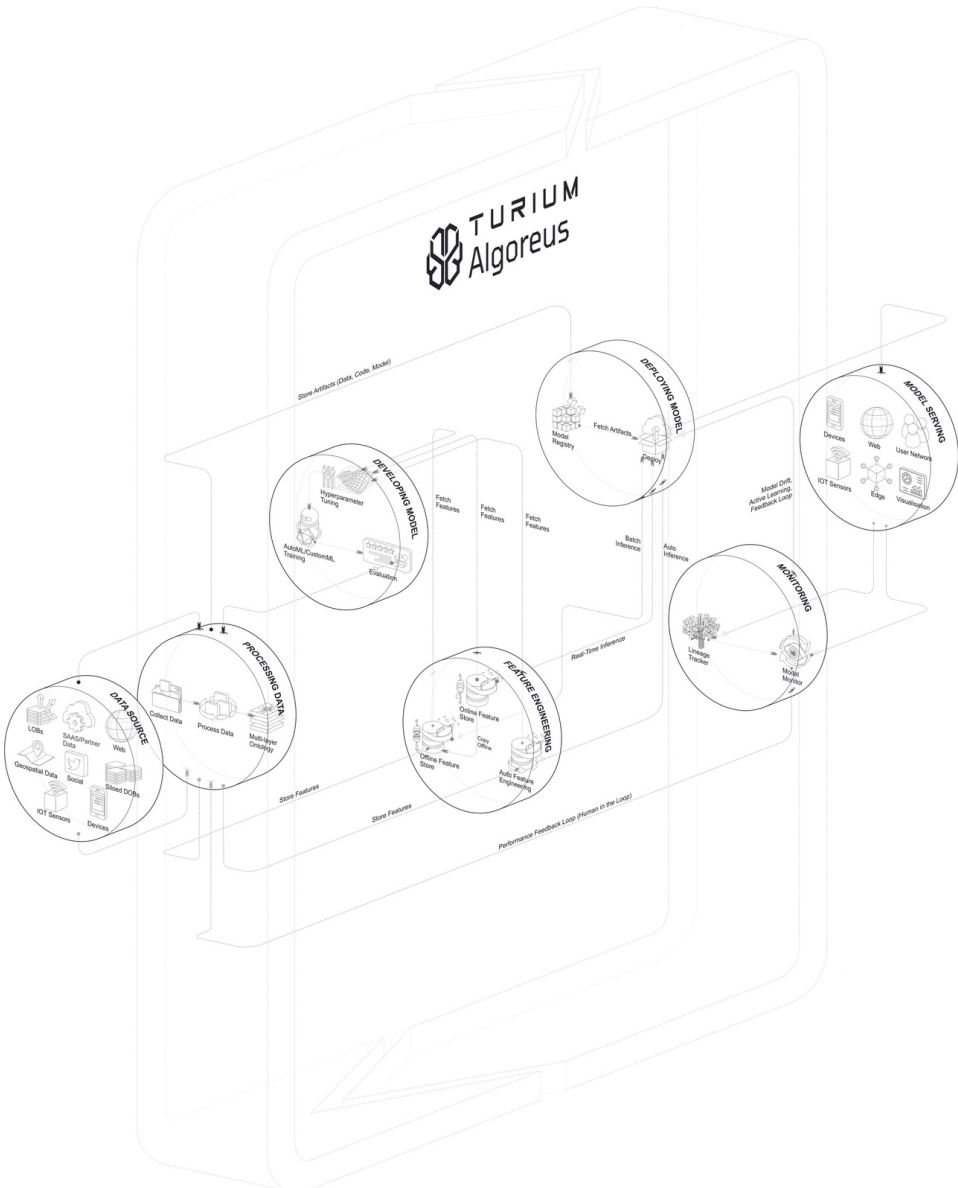
HUMAN-AUGMENTATION

With ML-assisted operating pictures and integrated alert, automation, and AI capabilities, our solutions do not replace but rather augment human strengths. The result is a more capable enterprise, equipped to make more informed and split-second decisions.

MODEL DEPLOYMENT, OPERATIONALIZATION, & EDGE AI

Our solutions support edge processing to identify the most relevant information for priority backhaul and enable live model swapping to select the best algorithm respective to dynamic conditions. By pushing only quality transmissions, our software frees tactical bandwidth while providing greater strategic value.

Deploy **ALGOREUS**, an ML Spawner, for Enterprise capability force multiplier





Xaana.AI © 2023
Xaana.AI or its affiliated entities. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of Xaana.AI or its affiliated entities. The information contained herein may be changed without prior notice. Some software products marketed by Xaana.AI and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials attached are provided by Xaana.AI for informational purposes only, without representation or warranty of any kind, and Xaana.AI or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for Xaana.AI products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty. In particular, Xaana.AI or its affiliated entities have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein.

This document, or any related presentation, and Xaana.AI or its affiliated entities' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by Xaana.AI or its affiliated entities at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

Xaana.AI and Xaana.AI products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Xaana.AI or its affiliated entities in Australia, United States and other countries. All other product and service names mentioned are the trademarks of their respective companies.



Xaana.Ai