



Neural Oasis®

Company Overview



Neural Oasis is a Dubai-based AI and technology company dedicated to transforming industries with cutting-edge artificial intelligence and innovative tech solutions.

Location



Strategically located in Dubai, Neural Oasis serves as a hub for tech-driven excellence in the region and beyond.

Industries Served



We cater to a diverse range of sectors, from healthcare to finance and logistics, empowering businesses to leverage AI for growth.

Innovative Solutions



Neural Oasis delivers bespoke AI solutions tailored to meet unique business needs, leveraging state-of-the-art technologies for optimal impact.

Commitment to Excellence



At Neural Oasis, we prioritize quality, innovation, and client satisfaction, ensuring our solutions are not only effective but also sustainable.

Talent pool



We have access to skilled engineers across, UK, USA and the GCC. With qualifications from world prestigious institutions like University of Oxford, University of Cambridge, University College London and others

Clientele and Partnerships



We collaborate with forward-thinking organizations, building partnerships that drive meaningful change through technology.

Case Studies



Our founders have delivered international projects across multiple sectors ranging from financial markets, education, data services, medical, retail and oil & gas sectors. In combination with our strategic business partners, we have delivered a broad projects portfolio in USA, Europe and the GCC region.

Core Services



Our offerings include advanced machine learning, data analytics, and automation services, designed to enhance efficiency and drive innovation.

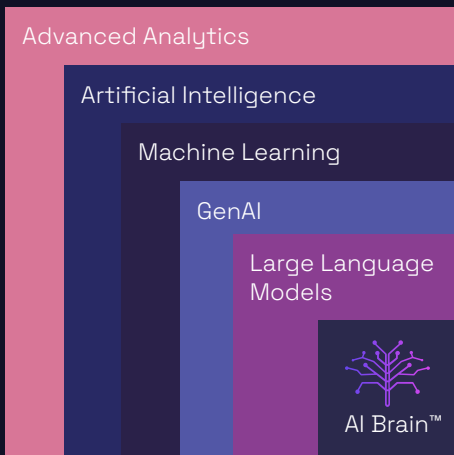
Client Focus

We work on holistic triangular approach to technology challenges to maximise our clients existing business outcomes, generate growth and achieve efficiencies



Our AI Offering

Propelling you from Advanced Analytics to the "AI Brain"[™]



Process Automation



Our solutions eliminate repetitive tasks, using AI to optimise workflows, and reduce human error by automating complex processes across your organization. By harnessing machine learning and intelligent decision-making, AI-driven process automation enables faster, more accurate task execution, allowing your teams to focus on what matters.



Predictive Analysis

Our solutions perform Predictive Analysis to anticipate future trends, behaviours, and outcomes with unparalleled accuracy. Leveraging machine learning and statistical algorithms, our predictive models analyse historical and real-time data to forecast what's ahead.



Intelligent Web Crawling

We build Intelligent Web Crawling solutions to automatically gather and process vast amounts of online data with precision and speed. Using advanced AI algorithms, our web crawlers identify, filter, and extract relevant information from countless sources across the web, tailored specifically to your needs.



Document Review & Update Automation

Using AI, we help businesses automate the review process, ensuring documents are consistently aligned with the latest policies, compliance requirements, and best practices. The system can quickly identify changes, suggest updates, and even implement modifications across multiple documents, reducing human error and enhancing productivity.



Multi Technology Data Source Consolidation

AI-driven Multi-Technology Data Source Consolidation simplifies the process of integrating diverse data sources from various technologies. By leveraging AI, we help businesses efficiently gather, normalize, and consolidate data from disparate sources, enabling seamless data access and holistic analysis.

From Manual Drudgery to Proactive AI

Manual Data Burden



Handling data manually involves labour-intensive processes. Reports are generated manually, often with spreadsheets and presentations serving as the means of conveying the current status. There's frequent disagreement over how the data was processed, leading to inefficiency and confusion.

Dashboard Overload



Teams rely heavily on multiple dashboards, but only select employees have the authority to create reports. Significant investment goes into dashboards and reporting systems, but employees are often overwhelmed by irrelevant data. There are multiple, inconsistent data sources, making it difficult to maintain a single version of the truth.

Data Becomes Insightful



Data starts to provide clear, concise answers that help employees streamline their workflows. Multiple data sources are consolidated, providing a unified view throughout the organization. Both IT and business leadership align more effectively, and measurable outcomes start to become visible.

Intelligent Insights Emerge



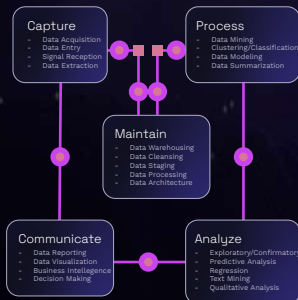
Data begins producing consistent and measurable outcomes. Information is proactively delivered to support employees in their roles, and the system becomes more personalized, tailored to individual customers and employees. Smart systems start identifying important patterns, and data flows freely across silos.

Driven by Proactive AI



Artificial intelligence and machine learning become fully integrated into the organization, fundamentally changing how work is done. Employees focus on high-value tasks as routine, low-level tasks are fully automated. Personalized recommendations enhance productivity, and new business models start to emerge as a result of AI capabilities.

Founded Upon Data Science



Data Engineering & Integration

Build a strong data foundation with seamless integration. We design and implement scalable data pipelines, ensuring efficient data collection, transformation, and storage. Our solutions enable real-time data access and high-performance analytics across multiple platforms.

Advanced Analytics & Visualisation

Turn complex data into clear insights. Through advanced analytics and data visualization, we help you uncover trends, monitor key metrics, and make data-driven decisions. Our interactive dashboards and reports provide a comprehensive view of your data, allowing for easy interpretation and action.

Data Strategy & Consulting

We help you develop a robust data strategy tailored to your business goals, including data governance, architecture, and roadmap planning. Our experts guide you on how to leverage data effectively to drive growth and innovation.

Machine Learning & AI Modelling

Automate decision-making and predict future outcomes. We build customized machine learning models that enhance predictive accuracy and optimize business processes. Our models evolve with your data, enabling continuous improvement and smarter decisions.

Big Data & Cloud Solutions

Scale your data operations with cloud-enabled big data solutions. We implement scalable big data architectures on cloud platforms, empowering your organization to process and analyze massive datasets efficiently. Our cloud expertise ensures flexibility, security, and cost-effectiveness.

Defense in Depth

A strategic security approach where multiple layers of defense are placed throughout an information system to protect the integrity of data and the functionality of the system.



Layered Security

Implementing security measures at different levels (physical, network, application, etc.)



Continuous Monitoring

Constantly scanning for security threats to detect and address them promptly



Redundancy

Ensuring backup measures are in place to maintain security in case one defense fails



Diverse Defenses

Using varied security techniques to protect against different attack vectors



Least Privilege Access

Granting users only the access necessary for their tasks, minimizing risk exposure

Cloud & On-Premise Security

Cloud

- Shared Responsibility model
- Easily scalable security measures
- Innovative security features from CSPs
- Faster deployments of applications

Flexible and cost-effective approach, leveraging the CSP's expertise and innovative technologies to protect data and applications

On-Premises

- Full control over security measures
- Ability to tailor to specific needs
- Direct control over physical access to servers
- Requires upfront investment in security infrastructure

Complete control and customization, suitable for organizations with specific compliance requirements and the capability to invest in and manage their infrastructure

Privacy-First Artificial Intelligence

We are committed to maintaining the highest level of privacy in our use of AI models & LLMs, ensuring that our software solutions are not just innovative, but also secure, private, transparent, and trustworthy.



Private but transparent:

- AI Models designed with privacy at their core, mirroring the confidentiality of human thought processes.
- Just as our thoughts remain private until we choose to express them, LLMs generate and handle information with strict privacy controls.
- Data used and produced by AI is protected from external eyes, but is fully transparent and inspectable to those authorised, so the AI can explain its thoughts and reasoning to trusted individuals.

Our Approach:

- Implementing LLMs with a 'privacy-first' methodology, ensuring that all generated content and intellectual contributions remain confidential.
- Adhering to industry-standard security protocols and privacy regulations to protect both intellectual property and customer data.
- Continuous monitoring and updating of our LLM security measures to stay ahead of emerging threats.

Strategic Vision

The UAE's Strategic 2031 AI Vision aims to make the UAE a global leader in AI by integrating it into various sectors to drive growth, productivity, and efficiency. The focus is on enhancing government services, improving healthcare, and developing AI-driven smart cities. The strategy also highlights talent development and partnerships for AI research, with the goal of fostering a knowledge-based economy. By 2031, the UAE seeks to be among the top AI nations globally

The Neural Oasis strategy is to accelerate and support UAE's 2031 AI vision.

- Producing world leading AI solutions for clients
- Provide cutting edge AI courses focusing on real life use cases
- Providing tailored training solutions for clients

Ultimately helping UAE based companies to become world beaters with the use of the unsurpassed technology solutions all whilst producing an all-rounded talented local workforce equipped to face the challenges of the future.



Cross-Sector

Medical:

Non-invasive disease, diagnosis AI for a UK based medical technology company specialising in gastrointestinal imaging.

Genomic Oncology AI project for a leading UK university

Energy & Renewables:

AI focusing on renewable power grids for a global energy company involved in the exploration, production, refining, and distribution of energy.

Retail:

"Just -In-Time" supply chain AI for a large multi-national furniture retailer

Sport & Entertainment:

Sports advertising AI for F1, Premier League, NFL for a company providing Virtual Reality Training solutions

Food & Beverage:

Web crawling and Data Mining AI solution for a Swiss global food and beverages company

Financial Markets:

Advanced data consolidation for IBOR reporting for a global insurer

Advanced data provision and price modelling for customised fund bench mark solution for a UK based financial markets data provider

Providing AML / FCC regulatory compliance with advanced transaction monitoring and dashboarding for a global investment bank

Comprehensive Cyber Security solution – Application & Host capacity modelling and secure vault implementation for a global investment bank



Neural Oasis®

Interested in how AI can drive innovation for your business? Get in touch to learn more.

Web: www.neuraloasis.ae
Email: info@neuraloasis.ae
Office: +971 439 86 668

Distributed Capability

