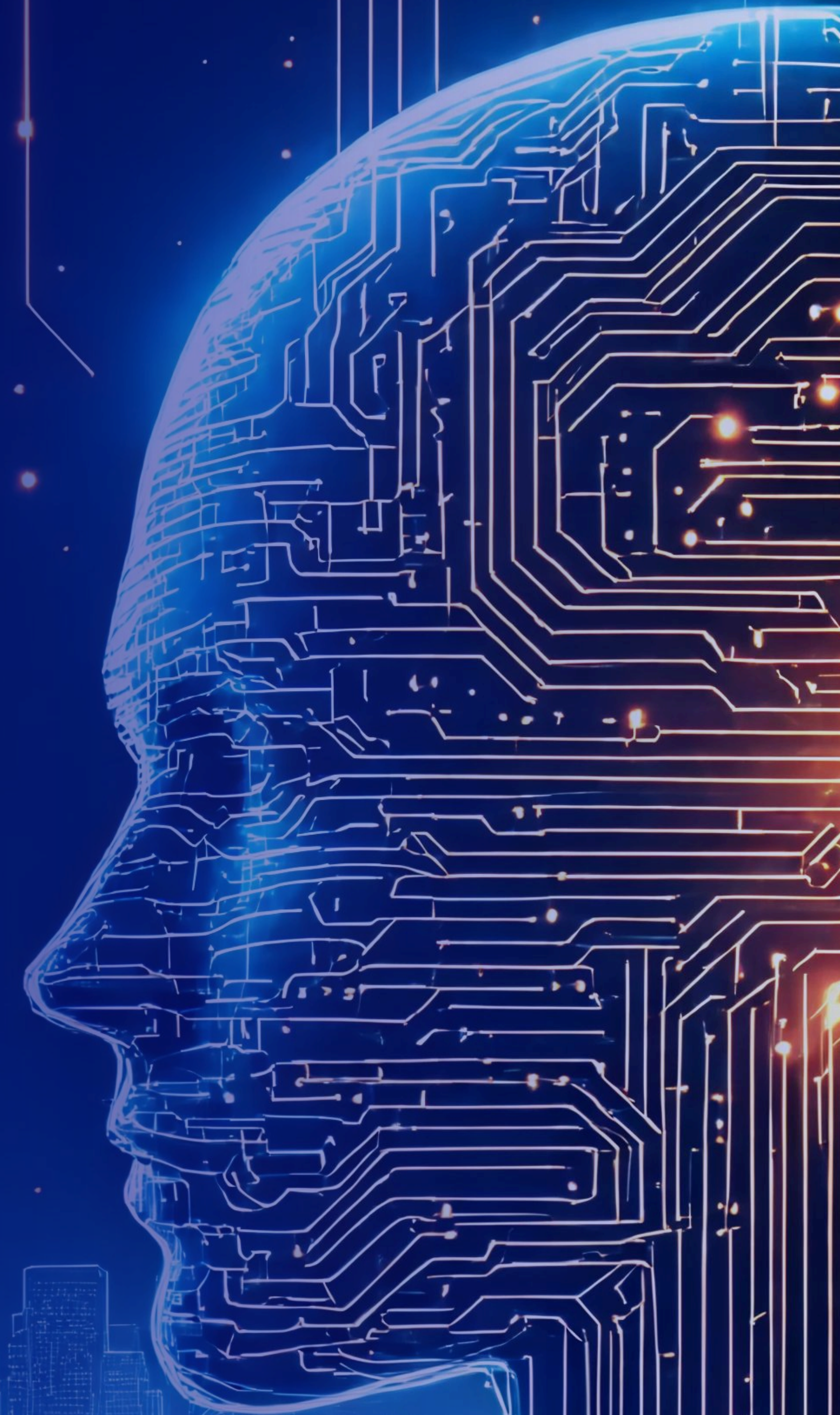


Your expert partner in **Artificial Intelligence**

AI systems developed with a solid engineering **expertise**, ready for deployment and **long-term use**.

ASSIST
Innovative Minds



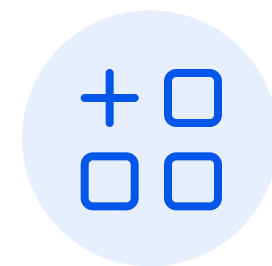
The image depicts a futuristic digital workspace. In the foreground, a laptop is visible, its screen and keyboard glowing with a blue light. Above the laptop, several semi-transparent windows float in the air, displaying various types of code and diagrams. One window shows a complex flowchart or network diagram with nodes and connecting lines. Another window displays lines of code, possibly in a programming language like JavaScript or Python, with some lines highlighted. The background is a dense, blue-toned digital environment with various data visualizations, including bar charts and line graphs, all rendered in a glowing, ethereal style. The overall atmosphere is one of high-tech innovation and data processing.

At ASSIST, AI is developed with the same rigor as enterprise software.

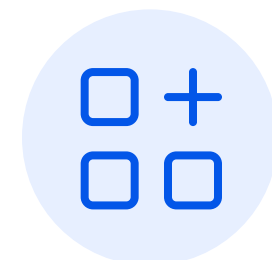
AI, Built with Engineering Discipline

Many AI initiatives fail due to integration challenges, inconsistent data, or the absence of a structured delivery approach.

We combine solid engineering practices with advanced AI capabilities to deliver systems that operate reliably in real business environments.



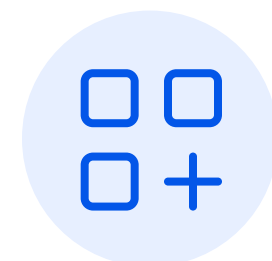
End-to-end ownership across data, models, and deployment



Architectures designed for scalability and long-term use



Seamless integration into existing systems and workflows



Ongoing monitoring, maintenance, and optimization

**Maintaining Data Consistency
Across Systems**

**Ensuring Performance Under
Real Usage Conditions**

FROM PROTOTYPE TO PRODUCTION

Transitioning from a working model to a production system introduces additional complexity.

**Integrating With Existing
Infrastructure and Workflows**

**Managing Model Updates and
Lifecycle Over Time**

ASSIST addresses these through structured engineering practices, ensuring that validated solutions remain stable and usable in production environments.

AI Strategy & Consulting

AI initiatives require a clear understanding of **feasibility, data readiness,** and **expected outcomes** before development begins. We support early-stage planning through:



AI readiness assessment



Business case definition



Technical feasibility evaluation

This ensures that initiatives are **grounded in real constraints** and **aligned with business objectives** before entering development.



Our AI Delivery Framework (AI SDLC)

A structured approach to **designing, building, and operating** AI systems, aligned with a full **AI Software Development Life Cycle (AI SDLC)**. The framework ensures controlled delivery, reduced risk, and long-term operational reliability.



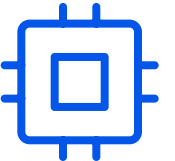
Discovery

Define the business problem, constraints, and success criteria to ensure alignment from the start.



Data Audit

Evaluate data availability, quality, structure, and compliance to establish a reliable foundation.



Prototyping / POC

Validate feasibility through focused prototypes that confirm technical and business viability.



Model Development

Develop and train models tailored to the specific use case and data context.



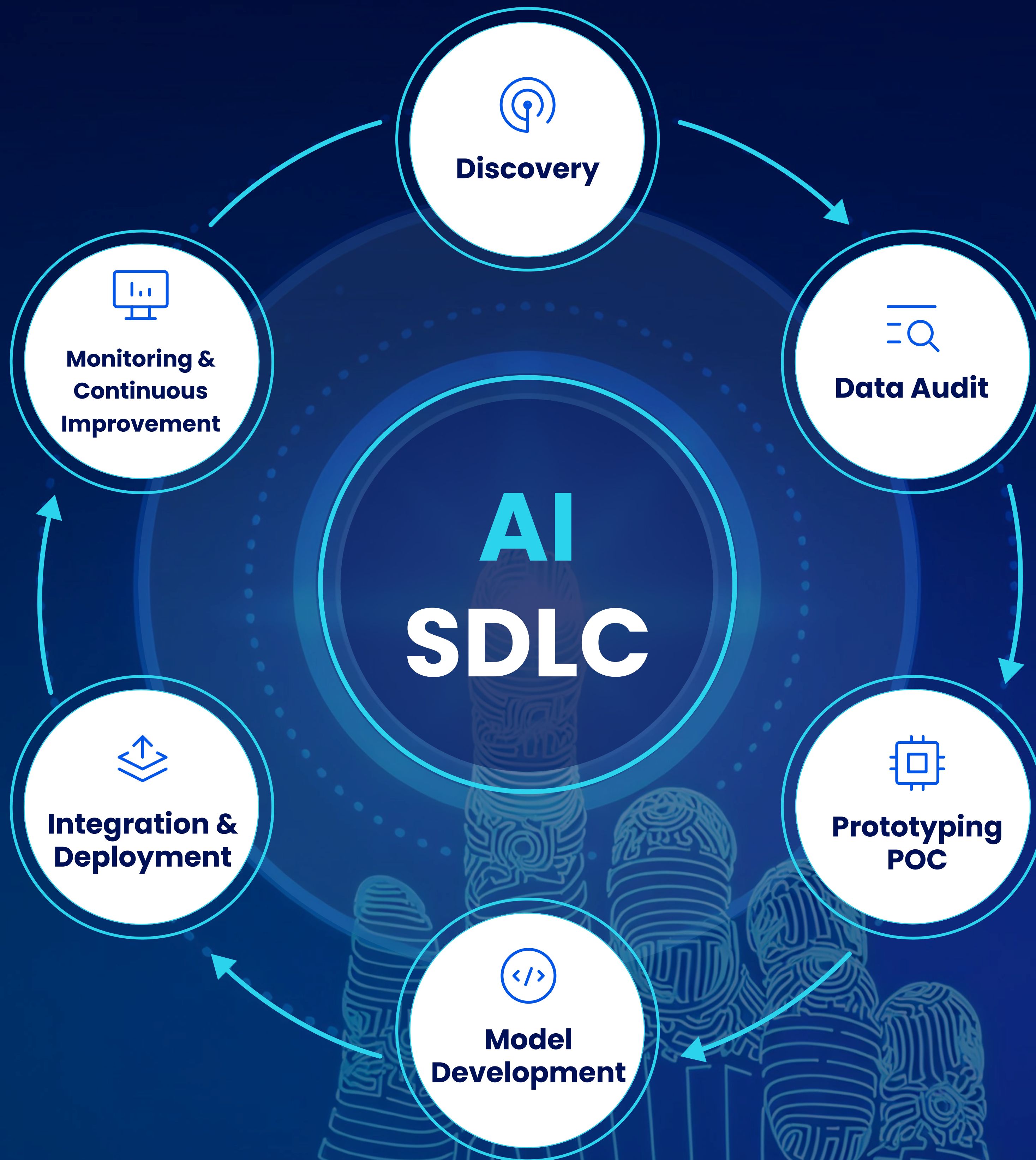
Integration & Deployment

Embed AI into existing systems and workflows, ensuring stability, performance, and usability.



Monitoring & Continuous Improvement

Track performance, manage model drift, and continuously refine the solution in production.

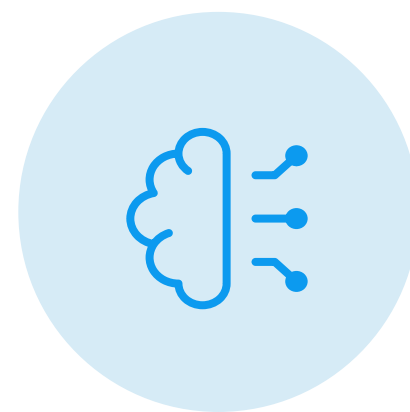


Capabilities



Data Engineering & MLOps

- Data pipelines, cleaning, and transformation
- Feature engineering and data modeling
- CI/CD for machine learning systems
- Model monitoring, retraining, and lifecycle management



Artificial Intelligence & Machine Learning

- Natural Language Processing (NLP)
- Computer Vision
- Recommender Systems
- Anomaly Detection
- Neural Networks and Deep Learning
- Reinforcement Learning



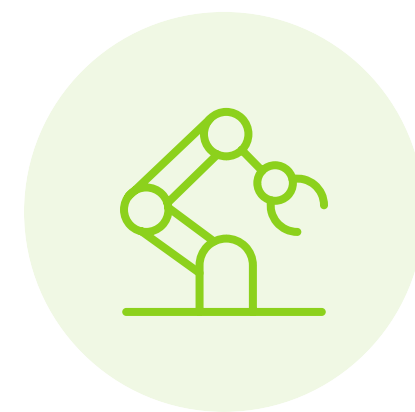
Generative AI

- Custom AI models tailored to your business
- Retrieval-Augmented Generation (RAG)
- Enterprise knowledge assistants
- Conversational AI systems



Agent Architecture

- AI agents capable of executing tasks and workflows
- Integration with enterprise systems and data sources
- Context-aware decision-making systems



Physical AI

- Computer vision systems for real-world environments
- Robotics and hardware-integrated solutions
- Real-time data processing and control systems

Our capabilities span the full AI and data lifecycle, supported by a modern technology stack and proven engineering practices.

Engagement Models

Flexible collaboration models aligned with project scope, maturity, and business objectives.



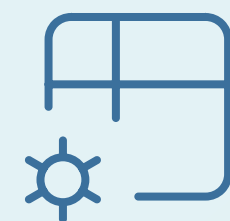
Fixed-scope POCs

Defined initiatives focused on validating feasibility and business value within a controlled scope



Time & Materials

Flexible engagement model for evolving requirements and iterative development



Monthly Retainer

Ongoing support for AI development, optimization, and system evolution



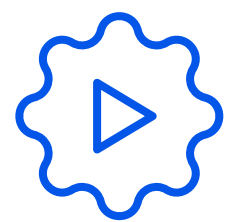
Outcome-based models

Engagements aligned with measurable results and agreed performance indicators

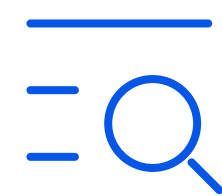
Business Impact

AI solutions are implemented to deliver **measurable improvements** in how systems operate and how decisions are made.

In practice, this translates into:



Reduced manual effort through automation of repetitive processes.



Improved accuracy in analysis and risk identification.



Systems that scale in line with evolving business requirements.



Faster access to relevant information and shorter decision cycles.

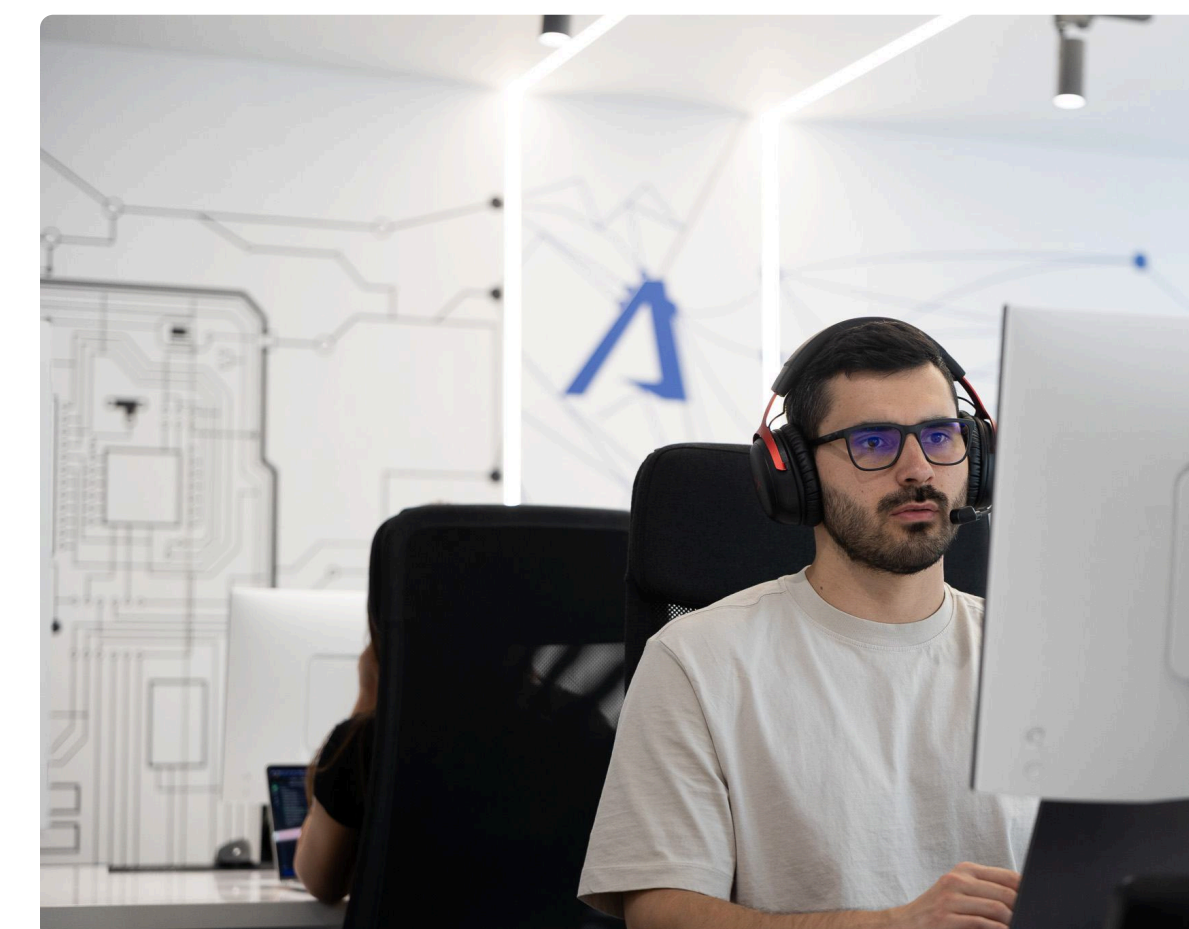
We achieve our outcomes through solutions designed to integrate into existing environments and support long-term use.

ASSIST AI Center

Where our AI capabilities are continuously developed and refined.

The **AI Center** brings together **research, experimentation, and hands-on engineering** to keep our teams aligned with the latest developments in artificial intelligence. It is where new approaches are tested, technologies are evaluated, and internal expertise is built over time.

The focus is not theoretical research, but **practical advancement**, ensuring that every project benefits from **up-to-date knowledge** and **proven methods**.



Physical AI & Robotics Hub

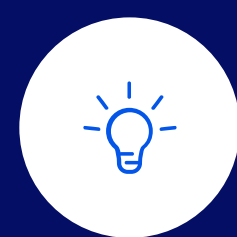
Where AI systems are built and tested for real-world operation.

The hub focuses on systems that interact with physical environments, combining artificial intelligence with **computer vision, sensors, and hardware integration**. This is where models move beyond data and into execution. It enables the development of solutions such as:

- **real-time visual inspection and quality control**
- **autonomous and semi-autonomous systems**
- **AI-driven control and decision-making in dynamic environments**

The emphasis is on **reliability, performance, and behavior** under **real operating conditions**.





Expertise

Consultancy, Mobile development, Hardware integration, Networking, Computer Vision, AI, Robotics



Platforms

Android, GStreamer NVIDIA Isaac Lab



Deliverables

Technical architecture, Clickable design prototype, POC, Mobile app, AI training, Digital twins

Revolutionizing the laser welding industry through low latency 3D visualization mobile welding and AI & computer vision powered QC

Success Stories

Discover How We Did It

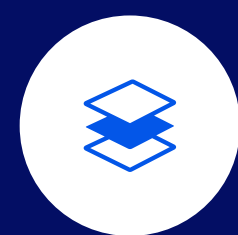


Wise Mate



Expertise

AI, SaaS, Data security, Cloud & Backend engineering, Power BI, RAG



Platforms

Web, Microsoft Teams, Cloud, Slack



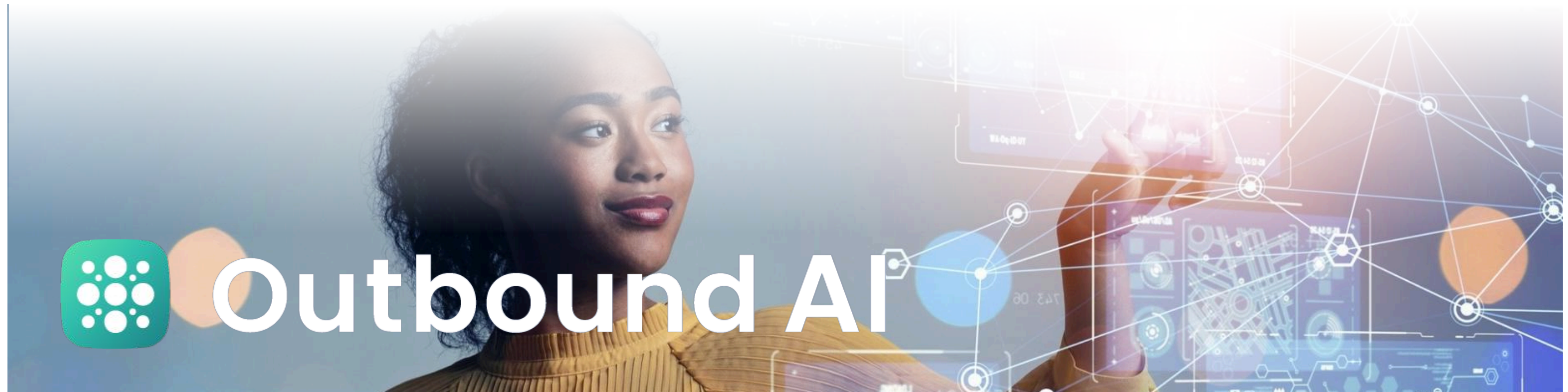
Deliverables

Data warehouse solution, Chat bot, Custom integrations

Access company data from a Data Warehouse with strategic benefits for employees via an AI-powered Teams Chat-Bot and leadership via Power BI reporting.

Success Stories

Discover How We Did It



Expertise

Front-End, Back-End, AI Development



Platforms

Web



Deliverables

Web App, Web Services

Outbound AI assists and automates back-office healthcare work with voice robotic process automation (RPA). AI agents serve as workforce multipliers that drive productivity while improving the daily job experience for human talent.

Success Stories

Discover How We Did It



Expertise

Custom Software Development, Generative AI



Platforms

Cloud, Web



Deliverables

Web Apps, Cloud asset manager, Redesign,
AI implementation

Charmed AI is an end-to-end AI toolkit designed for simplifying the 3D art process in game development. It offers a range of AI-powered tools to help create detailed meshes, stunning materials, and lively animations.

Security, Compliance & Responsible AI

AI systems are developed with a **strong focus on security, compliance**, and **responsible use**, ensuring alignment with **enterprise requirements** and **regulatory expectations**.



Data Privacy & Protection

Data is handled in accordance with strict security standards, with controls in place for access, storage, and processing.



Enterprise-Grade Security

Systems are designed with secure architectures, ensuring protection across data pipelines, models, and deployed environments.



Explainability & Transparency

Where required, AI models are developed with explainability (XAI) in mind, enabling understanding of decisions and outputs.



Bias Mitigation

Processes are implemented to identify and reduce bias, supporting fair and reliable model behavior.



AI Governance

AI systems are developed within structured governance frameworks, ensuring traceability, accountability, and controlled lifecycle management.



Ethical AI

Development follows responsible AI principles, supporting transparency, fairness, and alignment with broader industry initiatives.

Standards & Partnerships

- **ISO 9001** – Quality Management
- **ISO/IEC 27001** – Information Security
- **ISO 14001** – Environmental Management
- **ISO 42001** – AI Management
- **Microsoft Solutions Partner** – Digital & App Innovation (Azure)
- **Google Cloud Partner**

Our processes and systems are built in alignment with established standards and trusted technology partners.



- Architect Your **AI** Strategy
- From Concept to **Deployment**: Bring AI into real-world production
- **Co-Innovate**: Bring AI into real-world production



1st
Place

Romania Top Profit 2023

Top for Romania, field 7219:
Research and development in other natural sciences and engineering.



2nd
Place

Top National Companies 2023

In Research, Development and High Tech



3rd
Place

Top National Companies 2024

Large Companies: Research, Development & High Tech

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Find out more

