

DATA INSIGHT SOLUTIONS LTD.



FROM DATA TO DECISIONS — POWERING  
THE FUTURE WITH INSIGHT.



## About

We combine smart technology with a strong commitment to our clients' goals, delivering secure, accurate, and data-driven solutions that create real value and long-term success.

We deliver practical data intelligence solutions that help organizations analyze information, understand patterns, and make confident decisions. Our work combines data analytics, AI, and scalable platforms to ensure insights are not only generated, but applied where they matter most.



## Message from Managing Director

Our mission is to harness the power of technology and data to deliver intelligent, secure, and high-performance solutions. Specializing in Data Science, SaaS applications, and mission-critical military systems, we empower organizations to make informed decisions, enhance operational efficiency, and achieve strategic objectives.

Guided by innovation, integrity, and technical excellence, our team is committed to creating solutions that deliver real value, foster long-term partnerships, and provide a sustainable competitive advantage for our clients. We remain dedicated to advancing technology that meets the evolving needs of complex and high-stakes environments.

**Mohammed Tajul Islam**

Managing Director





## Our Mission

Our mission is to empower organizations with reliable and intelligent data-driven solutions by applying advanced data science, predictive analytics, and modern software engineering.



## Our Vision

We envision a future where organizations rely on intelligent data systems to innovate faster, operate smarter, and compete globally with confidence.

# What We Provide



## DATA SCIENCE

Our analytics solutions help organizations identify trends, reduce risks, and turn large datasets into clear, decision-ready insights.



## SAAS APPLICATIONS

Our SaaS platforms focus on performance, data integrity, and long-term scalability while supporting seamless digital transformation.



## MILITARY APPLICATIONS

These solutions support training, modeling, and scenario-based analysis in high-stakes environments.



# DATA SCIENCE ADVANCE ANALYTICS

Our comprehensive suite of services is designed to empower your business with actionable insights and streamlined data processes.



# DATA LOADING



The foundation of any successful Big Data strategy is fast, accurate, and reliable data loading. Data Insight Solutions Ltd optimizes the 'LOAD' component of your ETL/ELT processes, ensuring your complex data is prepared for actionable insights exactly when you need it. We transform intricate data integration into a streamlined business advantage.

## Our Approach to Data Loading



### Methods for Data Loading

Selecting appropriate ETL methods ensures data is reliably moved into the data warehouse based on structure and scale.



### Types of Data Loading

Data loading transfers data from source systems into the target warehouse using a defined loading approach.



### Data Refresh Vs Update

Loaded data is maintained through incremental updates or scheduled full refreshes.

# DATA MINING



Data Mining is the process of exploring large and complex datasets to uncover valuable insights that support smarter decisions and strategic growth. By applying advanced analytics, machine learning techniques, and intelligent algorithms, organizations can identify hidden patterns, predict future trends, and enhance overall performance. Our Data Mining approach transforms raw data into actionable knowledge, empowering businesses across industries to operate more efficiently and make confident, data-driven decisions.

## Our Approach to Data Mining



### Data Preparation

We prepare and structure data to ensure accuracy, consistency, and analytical reliability.



### Insight Analysis

We identify meaningful patterns and relationships that support informed analysis and decisions.



### Result Interpretation

We translate analytical outcomes into clear insights that support confident decision-making.



# DATA MIGRATION



Modern platforms, transitioning to the cloud, or simply consolidating data from various sources, our Data Migration Services are here to make your journey seamless and efficient.

## Our Approach to Data Migration



### Data Migration Process

A controlled, step-by-step approach to transferring data while preserving structure, integrity, and usability.



### Minimized Downtime

Migration strategies designed to reduce service interruption and maintain operational continuity.



### Data Security

Strong safeguards to protect data integrity, confidentiality, and compliance throughout the migration process.

# DATA INGESTION



Optimize your data intake processes with our advanced data ingestion solutions, enhancing real-time data availability and analysis for quick, decisive actions. With our robust data ingestion capabilities, including connector versatility, native batch loading, custom source integration, and real-time data filtration, we empower organizations to harness the full potential of their data.

## Our Approach to Data Ingestion



### Custom source

Ingest data from bespoke systems, APIs, and proprietary data sources with controlled integration.



### Native batch and CDC loading

Support both scheduled batch ingestion and change data capture for timely, incremental updates.



### Connectors

Use standardised connectors to integrate data from common platforms and SaaS applications.



### Filter dirty data

Apply validation and filtering to remove inconsistencies before data enters analytical pipelines.

# HEALTHCARE DATA ANALYTICS



Our healthcare analytics solutions help organisations collect, validate, and analyse complex healthcare data in a controlled and reliable manner, enabling informed clinical, operational, and administrative decision-making while maintaining data integrity, security, and governance.

## Our Approach to Insurance Analytics



**Data Visualization**



**Predictive Modeling**



**Fraud Detection**



**Compliance and Security**



**Underwriting Analytics**



**Claims Analytics**



**Operational Efficiency**



**Customer Segmentation**

# INSURANCE DATA ANALYTICS



Transform your insurance operations with our data analytics services, enabling you to make data-driven decisions for effective risk management and superior customer satisfaction. In the ever-evolving landscape of the insurance industry, data is the key to making informed decisions, managing risks, and delivering superior customer experiences. DataInsight Solutions Ltd, we specialize in Insurance Data Analytics, providing insurers with the tools and insights needed to thrive in a data-driven world.

## Our Approach to Insurance Analytics



**Data Visualization**



**Underwriting Analytics**



**Predictive Modeling**



**Claims Analytics**



**Fraud Detection**



**Operational Efficiency**



**Compliance and Security**



**Customer Segmentation**



# SANCTION DATA ANALYSIS



Ensure compliance and mitigate risks with our sanction data analysis services, providing thorough insights into regulatory requirements and safeguarding your business. In a world where regulatory compliance is paramount, organizations must take proactive steps to ensure they are not inadvertently engaging with sanctioned entities or individuals. Data Insight Solutions Ltd offers Sanction Data Analysis services to help businesses maintain compliance, mitigate risks, and safeguard their reputation.

## Our Approach to Sanction Data Analysis



**Data Accuracy**



**Risk Assessment**



**Customized Solutions**



**Reporting and Documentation**



**Sanction Screening**



**Workflow Integration**



**Watchlist Monitoring**



**Training and Support**

# DATA ARCHIVER



Safeguard and organize your historical data efficiently with our data archiving solutions, optimizing storage and retrieval processes for enhanced data management. In today's data-driven world, managing and preserving your organization's data is paramount.

## Our Approach to Data Archiving



**Data Restoration**



**Long-Term Storage**



**Data Access Controls**



**Data Categorization**



**Data Retention Policy Development**



**Efficient Retrieval**



**Data Compression**



**Compliance Assurance**

# SaaS Applications

Our comprehensive suite of solutions is designed to empower your business with actionable insights and streamlined data processes.





# HR/Payroll Management

Efficient human resource management is crucial for the success of any organization. Our integrated HR & Payroll management system streamlines employee administration, simplifying daily workforce operations and boosting overall efficiency.



## HR Management

Centralized platform to manage employee profiles, roles, and records efficiently track onboarding, offboarding, and workforce data in one place.



## Payroll

Automate salary, deductions, and taxes with accuracy and compliance eliminate errors and streamline payroll.



## Leave

Handle leave requests and approvals seamlessly, giving HR a clear overview of absences for better planning.



## Attendance

Monitor clock-ins, working hours, and leave balances in real time for accurate payroll and reduced admin work.

## Why Data HR/Payroll Management Matters?

In today's data-driven workplace, having a unified HR and payroll system improves accuracy, compliance, and visibility across workforce operations. Rather than juggling spreadsheets, your HR team gets a centralized, automated system.





# Medical Center Management

We understand the critical role that data plays in driving success. Our tailored services cater to diverse industries, delivering precision, reliability, and innovation. Whether you're looking to optimize data workflows, unlock valuable insights, or ensure compliance, our team is dedicated to providing cutting-edge solutions.



## Biometric Registration



## Physical Investigations



## Radiography & Radiologist Panel



## Sample Collection & Laboratory



## Report Delivery System



## Accounts Management

## Why MCMS Matters?

Healthcare operations demand precision, coordination, and trust. Our unified medical center management platform reduces administrative burden, improves data accuracy, and strengthens operational control allowing healthcare teams to focus on delivering timely, high-quality patient care while maintaining efficiency and compliance.





# Fixed Asset Management

In today's fast-paced business environment, effectively managing physical assets is critical for operational efficiency and financial control. Our Fixed Asset Management solution provides a comprehensive platform to track, maintain, and optimise your assets from equipment and machinery to property and project resources.



## Project Management

For ensuring that resources are allocated and utilized efficiently throughout the project lifecycle.



## Property Management

Manage all types of property assets in a centralised system.



## Equipment & Machinery Management

Maintain full visibility over your equipment and machinery, including asset assignments, conditions.



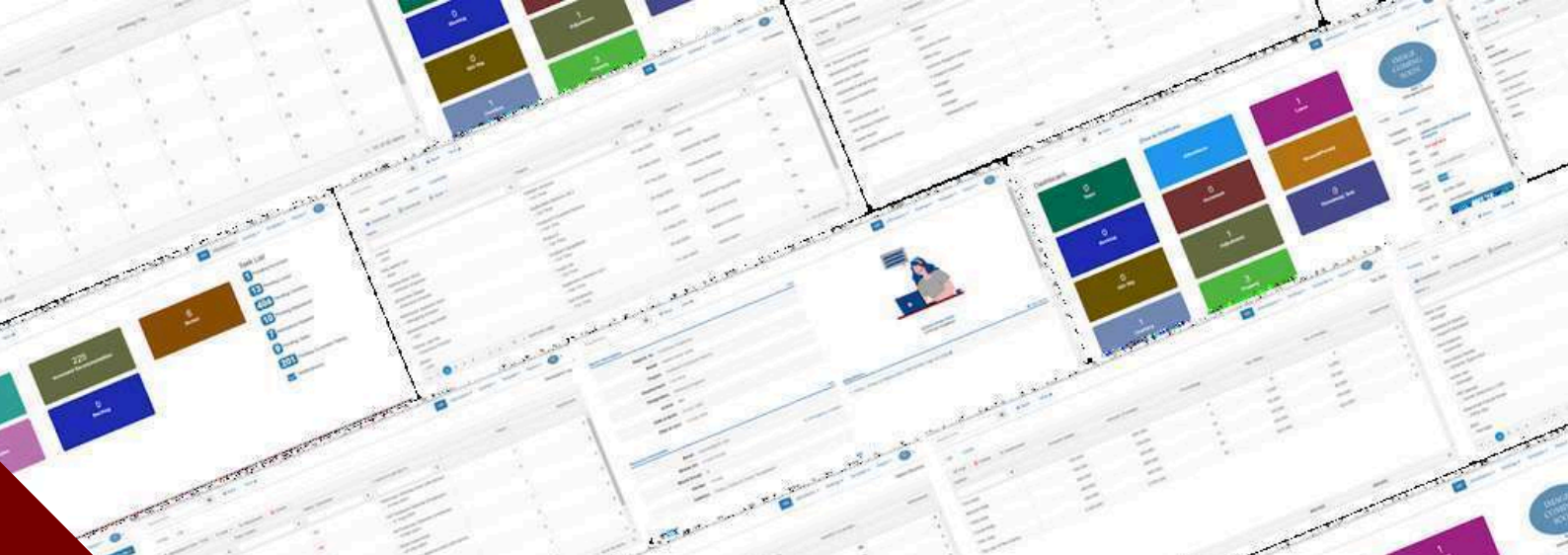
## Maintenance & Depreciation

Automate maintenance schedules and depreciation tracking to extend asset life, control repair costs, and ensure accurate financial reporting.

## Why Fixed Asset Management Matters?

In a competitive business environment, an intelligent fixed asset management system gives your organisation real-time visibility, accuracy, and control over its physical assets reducing costs, minimising errors, ensuring compliance, and empowering smarter decisions across the entire asset lifecycle.





# Hospital Management

Our Comprehensive Hospital Management Solution makes hospital operations smoother and more organized. It brings all services—patient care, treatment, diagnostics, billing, and staff coordination—into one easy-to-use system. With faster processes, accurate information, and better communication between departments, hospitals can provide quicker, safer, and more satisfying care for every patient.



## Appointment & Scheduling Management



## Electronic Medical Records Management



## Pharmacy & Medication Management



## Laboratory & Diagnostic Management



## Ward & Bed Management



## Quality Improvement Management

## Why Hospital Management System Matters?

With an integrated management system, hospitals reduce administrative burden, improve clinical accuracy, and enhance the patient experience creating a more organised, responsive, and patient-centric care environment.





# Military Applications

From safety-critical industries to high-performance technical fields, our simulation solutions enable trainees to practice





# Driving Simulator

The Driving Simulator delivers a realistic virtual training environment that replicates real driving conditions, tactical challenges, and varied operational terrains enabling forces to build driving proficiency safely and effectively before operating vehicles in real-world missions.

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## Why Driving Simulator Matters?

By enabling forces to rehearse complex scenarios including adverse terrain, weather changes, and reactive decision points in a controlled virtual environment, the Driving Simulator enhances preparedness, reduces risk, and accelerates training outcomes that directly translate to real-world performance.



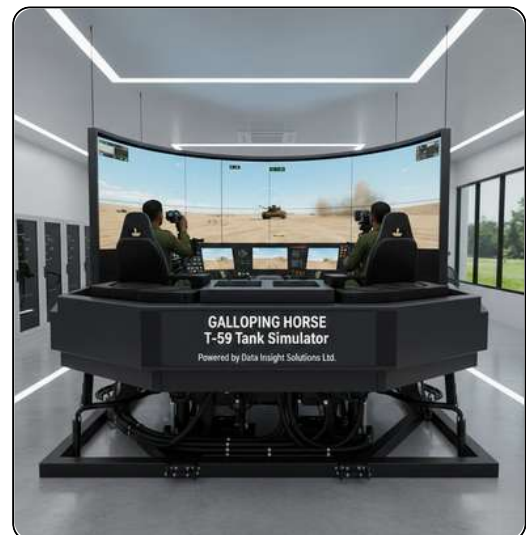
# Tank Simulator

The GALLOPING HORSE T-59 Tank Simulator delivers a highly realistic training environment that replicates critical operational scenarios in complete safety. Through repeated practice, trainees build essential skills, confidence, and decision-making ability, ensuring safer, smarter, and more effective tank operations. Designed to enhance readiness, it supports high-quality training for T-59 tank crews.

The Tank Simulator provides realistic training with immersive 3D environments, intelligent enemies, dynamic weather, and day/night modes. Intuitive controls, realistic components, and repeatable scenarios ensure effective skill development and lasting learning.

## Why Driving Simulator Matters?

By enabling forces to rehearse complex scenarios including adverse terrain, weather changes, and reactive decision points in a controlled virtual environment, the Driving Simulator enhances preparedness, reduces risk, and accelerates training outcomes that directly translate to real-world performance.





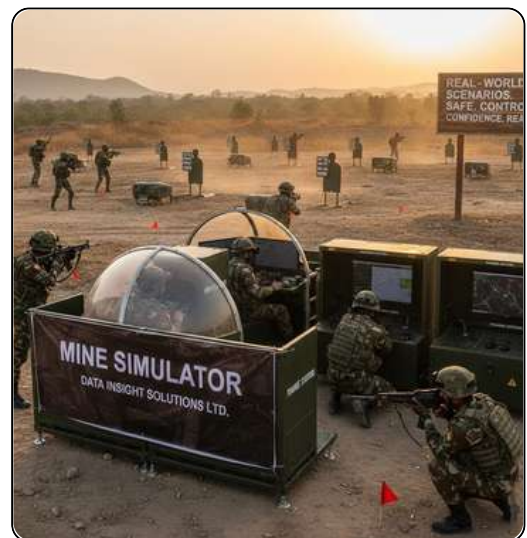
# Mine Simulator

Our Mine Simulator is built to support safe and effective minefield training, focusing on essential education, human risk analysis, and hazard awareness. With advanced physical construction, instructor and trainee stations, and reliable communication modules, it delivers efficient and realistic training.

The Portable Pop-up Target Device is an advanced shooter training system for portable and fixed ranges. Remote-controlled and easily deployable on any terrain, it creates dynamic target scenarios that enhance accuracy, reaction time, and tactical decision-making.

## Why Mine Simulator Matters?

Mine detection is a critical capability that directly impacts mission safety and success. Training with realistic, scenario-based simulations prepares personnel for the uncertainties and dangers of real minefields improving response accuracy, reducing risk, and strengthening readiness for operational deployments.





# Vision Target Simulator

The Vision Target Simulator is a high-precision, computer-vision-based training system that detects and analyzes laser hits in real time. Using advanced image processing, it tracks shot accuracy and performance data to support measurable, data-driven shooting improvement.

Initially PC-based, the simulator is now being redesigned as a portable, standalone unit with embedded processing, high-resolution sensors, and low-latency communication. With wireless mobile connectivity, rugged design, and high-accuracy detection, it enables reliable training, real-time analytics, and rapid deployment in any environment.

## Why Vision Target Simulator Matters?

Precision in visual awareness and target engagement is critical to mission success and safety. Training with a high-fidelity simulator prepares teams for real operational conditions, improving accuracy, confidence, and situational responsiveness while reducing risk and training cost.





# Target Practice Simulator

Our Target Practice Simulator is a next-generation training system that provides safe, cost-effective, and highly accurate shooting practice. Using advanced laser detection, it instantly identifies hits and delivers real-time feedback for effective skill development.

The Portable Bull's-Eye Target Practice Simulator (PBTPS) is a compact, cost-effective, and fully portable firearms training system for indoor and outdoor use. Using laser-based simulation, it accurately detects and displays hits in real time, enabling safe, ammunition-free, and realistic shooting practice anywhere.

## Why Target Practice Simulator Matters?

In defense operations, marksmanship and precise engagement are core capabilities that directly impact mission success and safety. A simulator that replicates real-world conditions and challenges enables personnel to build essential skills before live deployment, improving confidence, accuracy, and overall combat effectiveness.



# War Game Simulator

The War Game Simulator integrates advanced modeling and simulation technologies to create highly realistic and strategically rich battlefield environments. Designed for military training, mission planning, and operational decision support, the system provides an immersive platform where trainees can analyze scenarios, test tactics, and refine strategies without real-world risk.

The War Game Simulator provides realistic, multi-level battlefield training with detailed digital terrain, tactical to strategic mission simulations, probabilistic Monte Carlo–Markov modeling, and Lanchester combat equations for accurate force engagement and decision testing.

## Why War Game Simulator Matters?

Tactical decisions rarely unfold in isolation they require cohesive planning, calculated responses, and collaborative execution. The War Game Simulator helps teams rehearse high-level strategy and real-time decision-making in a realistic virtual environment, strengthening readiness for the unpredictable nature of real missions.





# Anti Tank Guided Missile Simulator

The ATGM Simulator is an advanced training system that realistically replicates missile launch and guidance in a safe, controlled environment. With high-fidelity visuals and physics-based behavior, it enables effective, cost-efficient training without live-fire risks.

The system delivers a highly realistic battlefield and firing simulation with immersive sound, high-quality 3D visuals, and authentic missile effects. Featuring dynamic targets, customizable weather and combat conditions, comprehensive grading, and a durable, user-friendly design, it supports flexible, repeatable training for improved real-world combat performance.

## Why Anti Tank Guided Missile Simulator Matters?

Effective anti-armor capability is critical in modern defense operations, where precision, timing, and threat assessment can determine mission success. A simulator that reflects real operational conditions allows forces to practice and perfect engagement strategies safely, enhancing confidence and readiness before deployment.





# Management Solutions

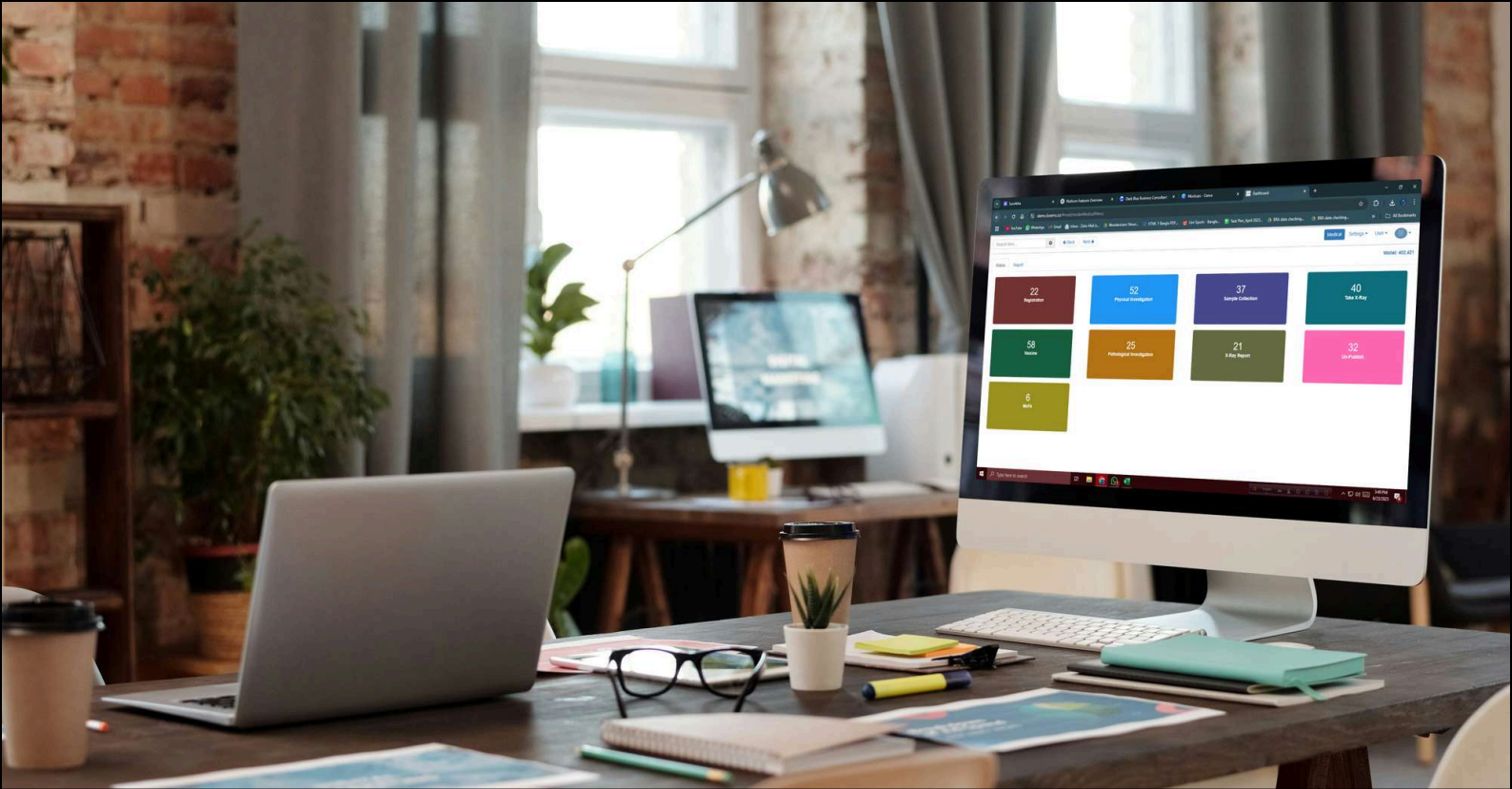
Our Management Solutions provide organizations with powerful tools to streamline operations, optimize workflows, and enhance decision-making. Designed to improve efficiency, these solutions help manage resources, monitor progress, and maintain compliance, all through an intuitive and centralized platform.

The Battle Planning & Decision-Making System lets military units simulate and analyze tactical to strategic operations. It supports multi-unit coordination, realistic battlefield scenarios, risk assessment, and predictive analytics for informed, effective decision-making.

## Why Management Solutions Matters?

Effective military training requires not just high-fidelity simulations but also structured oversight and evaluation. This management solution allows forces to bridge simulation execution with strategic readiness goals helping ensure training time translates into measurable skill development, better preparedness, and more effective operational performance.





## Our Specialty

With a team of senior-level professionals—data scientists, and defense technology experts—we have successfully delivered a lot of projects across diverse sectors including Healthcare, Finance, and Defense.



Purpose-Driven  
Innovation



Security at the  
Core



Solutions Built for Scale  
and Complexity



True Partnership,  
Not Just Delivery

The Integration of Domains: Our rarest specialty is the ability to apply Data Science to Military Simulations, or SaaS efficiency to Healthcare Analytics. This cross-disciplinary expertise allows us to bring innovations from one sector to solve the most difficult challenges in another.





## Contact



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