

Capability book

abacusgroup.io

Digital Solutions

Digital Solutions

Innovation for digital ambitions



Abacus creates digital solutions that elevate your vision, integrating advanced technology with your processes.

We empower you to lead transformative change while keeping full credit for the progress achieved.

NUMBERS

Team Members (N)

230

Clients Served (N)

325

Capabilities (N)

9

Total Revenue (MLN)

18

CAPABILITIES

SOFTWARE ENGINEERING

PROCESS AUTOMATION

DATA & ANALYTICS

ARTIFICIAL INTELLIGENCE

DIGITAL TWIN / MODELING & SIMULATION / REAL-TIME

INTERNET OF THINGS

BLOCKCHAIN

APP & WEB

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



DIGITAL SOLUTIONS

Software Engineering

Tailored software for scalable business transformation.

The Abacus Software Engineering team develops customized, high-performance software solutions designed to address unique business challenges. From custom development to architecture, from DevOps to process analysis, we ensure seamless and scalable integration, promoting operational efficiency and innovation.



SERVICES

- Custom Software Development
- Software Quality & Software Architecture
- Process Certification
- Application Maintenance & Modernization
- API Development & Integrations
- System Integration
- Project Management
- DevOps as a Service
- Process & Functional Analysis
- Web-Based Software Development
- Industry 4.0 Software Development

BENEFITS

- Custom Solutions**
Develop tailored software that addresses unique business challenges and enhances operational efficiency.
- Scalability**
Create scalable systems that grow alongside your business, accommodating increased demand and complexity.
- Integration**
Ensure seamless integration with existing tools and platforms, improving data flow and collaboration.
- Quality Assurance**
Implement rigorous testing protocols to deliver high-quality software with minimal defects.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



DIGITAL SOLUTIONS

Process Automation

Innovation and automation to optimize every business process.

We leverage the potential of Robotic Process Automation (RPA) and Artificial Intelligence to automate critical processes. With solutions like our Dynamic Bot Manager and Business Intelligence tools, we transform process management into an efficient and responsive experience.



SERVICES

Bot Development for Automation

Intelligent Process Automation

Process and Functional Analysis

Automation Data Analytics & Business Intelligence

BENEFITS

Increased Efficiency

Automate repetitive tasks, allowing employees to focus on higher-value activities.

Consistency

Standardize processes to ensure reliability and quality in output.

Data-Driven Insights

Access real-time data for better decision-making and process improvements.

Scalability

Easily adapt automated processes to meet changing business needs without extensive rework.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



DIGITAL SOLUTIONS

Data & Analytics

Empower your decision-making with advanced data analysis.

With deep expertise in Data Science, Data Engineering and Big Data, Abacus provides advanced analytics and data management tools, transforming data into a competitive advantage. From strategy to security, our solutions enable companies to fully leverage the value of their data.



SERVICES

Data Integration

Data Science & Engineering

Data Lake & Data Warehouse Development

Advanced Analytics & Business Intelligence

Big Data Analysis & Management

Corporate Performance Management (CPM)

Customer Intelligence

Data & IoT

Data Strategy, Governance & Security

BENEFITS

Performance Tracking

Monitor key performance indicators to assess and enhance business performance.

Customer Understanding

Gain insights into customer behaviors to tailor products and services effectively.

Predictive Analytics


Leverage predictive models to anticipate trends and make proactive decisions.

Competitive Advantage

Use analytics to optimize operations and create differentiated customer experiences.

TOP ALLIANCES & TECHNOLOGIES

CCH® *Tagetik*

 + a b l e a u

StrategyB

boomi
an Abacus Company

QlikView

 *influxdb*

ABACUS UNIT COMPANIES

 **RUNELAB**
an Abacus Company

 **BINNOVATION**
an Abacus Company

 **MAX**
Application
an Abacus Company

DIGITAL SOLUTIONS

Artificial intelligence

AI solutions for driving strategic and predictive growth.

With Abacus, artificial intelligence becomes a practical tool for business evolution. We offer AI consulting and system integration for predictive strategies, machine learning and chatbots, combining innovation and security. Automate and transform your processes to proactively address market challenges.



SERVICES

Data Science & Engineering

Data Strategy, Governance & Security

AI Strategy & Advisory

AI Systems Integration

Predictive Analytics

Machine Learning Model Development

AI Chatbots

Intelligent Process Automation

BENEFITS

Enhanced Decision-Making

AI-driven insights support strategic choices and improve operational effectiveness.

Automation of Complex Tasks

Streamline intricate processes, increasing efficiency and reducing human error.

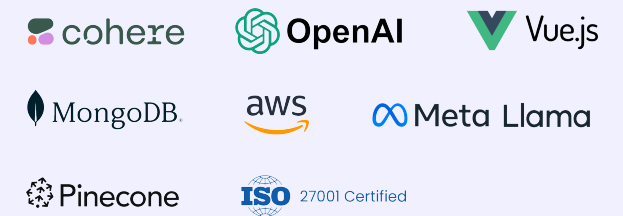
Scalability

Implement AI solutions that adapt to growing data volumes and complexity.

Innovation Catalyst

Drive innovation by leveraging AI to create new products, services, and business models.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



DIGITAL SOLUTIONS

Digital Twin / Modeling & Simulation

Digital modeling for complex scenarios and advanced monitoring.

We leverage Digital Twin technology and advanced simulation solutions to recreate complex operational environments and provide real-time monitoring. From drones to satellite sensors, Abacus supports companies in surveillance, analysis and management of critical scenarios.



SERVICES

Digital Twin Development

Real-Time Softwares

Complex Scenarios Modeling & Simulation

IoT & Digital Twin

Mission Analysis

Remote Sensing Images Processing Services

UAV Monitoring & Surveillance

Satellite images & Data Processing

BENEFITS

Real-Time Monitoring

Utilize digital twins for real-time insights into operations, enhancing responsiveness.

Improved Efficiency

Optimize processes through simulation and modeling, leading to better resource utilization.

Predictive Maintenance

Anticipate issues before they arise, reducing downtime and maintenance costs.

Scenario Testing

Conduct simulations to assess potential outcomes and inform decision-making.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



DIGITAL SOLUTIONS

Internet of Things

Advanced IoT infrastructure for optimizing Industry 4.0.

Our specialized teams integrate IoT into business systems and Industry 4.0, providing advanced connectivity solutions and comprehensive data control. We leverage cutting-edge technologies to collect, analyze and integrate IoT data, optimizing every operation and ensuring your business remains constantly connected and responsive.



SERVICES

Industry 4.0

IoT & Digital Twin

Data & IoT

BENEFITS

Operational Efficiency

Streamline operations through automation and connected devices, reducing downtime.

Customer Engagement

Enhance customer experiences through tailored services based on IoT insights.

Predictive Analytics

Leverage IoT data to anticipate issues and optimize processes.

Smart Resource Management

Improve resource utilization and reduce waste through intelligent monitoring.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



DIGITAL SOLUTIONS

Blockchain

Reliability and transparency with advanced blockchain solutions.

Our blockchain solutions transform business security and transparency. From notarization to the creation of smart contracts and tokenomics, Abacus provides strategic support for companies looking to integrate digital assets, decentralized finance and certification management.



SERVICES

Digital Asset Development

Tokenomics

Notarization

NFTs

Smart Contracts

DeFi - Decentralized Finance

Supply Chain

Blockchain Consulting & integration

DevOps

BENEFITS

Enhanced Security

Utilize cryptographic techniques to ensure data integrity and security in transactions.

Transparency

Provide transparent and traceable records, enhancing trust among stakeholders.

Reduced Costs

Eliminate intermediaries, leading to cost savings in transactions and processes.

Improved Efficiency

Streamline processes through automated smart contracts, reducing administrative overhead.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



DIGITAL SOLUTIONS

App & Web

We design cutting-edge digital experiences for web and mobile.

From UX/UI to content management, we create web applications, e-commerce and platforms for intuitive and engaging navigation. The Abacus team develops tailored digital solutions that adapt to market dynamics and support your company's growth.



SERVICES

Website & E-commerce Development

App Development

Web Portals & Platform Development

Content Management

UX/UI Design

BENEFITS

User-Centric Design

Develop intuitive and engaging applications that improve user experience.

Cross-Platform Functionality

Ensure apps work seamlessly across devices and platforms, expanding reach.

Increased Engagement

Foster customer loyalty through interactive features and consistent branding.

Faster Time to Market

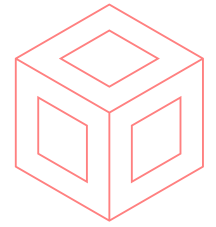
Accelerate development timelines to respond quickly to market demands.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES





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Services to Stay Ahead

OTHER SERVICES

ICT Outsourcing & Recruitment

External ICT support and talent recruitment for key roles and specific projects.

Abacus provides ICT outsourcing and recruitment services to meet temporary or ongoing needs. From time-based outsourcing (T&M) to selecting top talent, our flexible support enables companies to quickly adapt to operational demands.



SERVICES

Recruitment
IT talent selection for specialized roles

Outsourcing T&M
Provision of time-based resources for projects and activities

Outsourcing Task & Staffing
Operational support for specific tasks

BENEFITS

Access to Talent
Gain access to a broader pool of qualified candidates, ensuring you find the best fit for your organizational needs without the limitations of traditional recruitment methods.

Cost Efficiency
Reduce recruitment costs by outsourcing processes such as candidate sourcing, screening, and onboarding, allowing you to allocate resources more effectively.

Focus on Core Activities
Allow your team to concentrate on strategic initiatives by outsourcing non-core recruitment functions, leading to increased productivity and enhanced business performance.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



OTHER SERVICES

ICT Academy & Training

Customized IT training to strengthen and update company personnel skills.

The Abacus Academy provides cross-skilling and up-skilling courses to enhance teams' technological skills. With tailored programs for new and existing talent, we support the continuous improvement of operational and digital capabilities.



SERVICES

Academy
Training on emerging technologies and professional updates

Cross-Skilling & Up-Skilling
Courses to strengthen digital and operational skills

Training for New Hires
Update courses for entry-level resources

BENEFITS

Skill Enhancement
Provide training that upskills employees, fostering a culture of continuous learning.

Customized Learning Paths
Tailor training programs to meet specific organizational needs and employee goals.

Increased Productivity
Well-trained staff can perform more efficiently, boosting overall productivity.

Adaptability
Equip employees to adapt to technological changes, enhancing competitiveness.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES



OTHER SERVICES

Supera[®] by Abacus

Technology Strategy & Consulting for technological innovation and process optimization.

Abacus assists companies in defining a technology strategy focused on innovation. Through consulting and functional analysis, we help organizations assess technology ROI and implement new technologies to optimize operations.



SERVICES

Technology & Innovation Advisory
Advisory for digital innovation and growth

Process & Functional Analysis
Analysis for business process optimization

Technology ROI
Evaluation of return on technology investments

BENEFITS

Strategic Alignment
Align technology initiatives with business goals to maximize impact and return on investment.

Expert Guidance
Leverage industry expertise to navigate complex technology landscapes and make informed decisions.

Innovation Facilitation
Foster innovation by identifying emerging technologies that can enhance business capabilities.

Change Management
Support organizations in managing technological changes to minimize disruption and enhance adoption.

TOP ALLIANCES & TECHNOLOGIES



ABACUS UNIT COMPANIES

