

Assist CIO

Everything that today's CIO needs, to process,
analyze and disseminate information

about us

AssistCIO is the first ever Information Technology Data As a Service (DAaaS) provider in West Africa with specific aim of solving re-current challenges confronting the entire Information Technology practitioners. Issues relating to cyber-crime, fraud, threats and total loss of corporate revenues occasioned by incessant cyber-security attacks and infrastructural service shutdown are our focus of attention.

At AssistCIO we leverage on the growth of Cloud Computing and the newest data acquisition, processing, visualization and interaction technologies to provide array of DAaaS products and services for today's Chief Information Officers. Our products and services are designed to assist the CIOs and other IT practitioners to have intelligent analytical insights into their huge volume of structured and unstructured data.

We will help store, analyse and create discrete data models relating to Machine Learning, Customer and Vendor Intelligence and IT Industry Best Practices. Hybrid and On-premise deployment options are also available for companies yet to fully adopt innovations brought about by cloud computing.

what we do

Technology
Advisory

Business
Applications

SAP Support &
Implementation

Financial
Intelligence Apps

Big Data

Training

SAP Support and Implementation

Our team of functional and technical consultants are available to support your SAP solution landscape.



Our SAP support services cover:

- End-User Hand-Holding
- Incident Management Administration
- Enterprise Business Intelligence & Analytics.
- Solutions Development and Enhancements
- IT Infrastructure Management (Server and Network Administration)
- Netweaver Application Security.

Financial Intelligence Apps

At AssistCIO, we provide in-depth analytical models that minimize overall financial crime impact in your organisation.

Through proactive insights and analytics using cutting edge Machine Learning and Artificial Intelligence technologies. Our FIAI (Financial Artificial Intelligence) apps provide insights and visibility to fraud triggers in your financial transactions, thereby allowing you to make informed and preventive decisions to mitigate against capital flight and potential revenue loss.



A hand reaching out to touch a glowing digital globe with a network overlay. The globe is composed of a wireframe mesh and is surrounded by a network of white dots connected by thin lines. The background is a blurred cityscape at night with blue and white lights. The overall color scheme is blue and white.

Big Data

Big Data Analytics refer to large data sets and the related technologies available to acquire, process and produce their insightful analysis in a way that the generated information is useful for predicting revenue growth, preventing internal and external threats and enabling accurate decision making processes.

Our Big Data services include processes and technologies that form a holistic solution for predictive intelligence around customer behavioural patterns, sales and revenue forecasting, liquidity analysis, enterprise risks and treatments, early watch alerts for corporate IT portfolio (machines, servers, laptops, networks etc.), customers' communication channels (social media, etc.), vendors and suppliers interactions (product updates, workshops, seminars, technology reviews etc.) and industry analysis.

AssistCIO's Data Analytics as a Service (DAaaS) is a platform that ingests data from various sources in real-time onto a big data database that contains discrete analytical models with intention to solving some specific algorithmic and statistical problems.

The processed data sets are then passed through analytical apps that generate insightful solutions for the enterprise's decision makers.

Use Cases

FINANCIAL INDUSTRY

Fraud Detection

Banks and financial services firms use analytics to differentiate fraudulent interactions from legitimate business transactions. By applying analytics and machine learning, they are able to define normal activity based on a customer's history and distinguish it from unusual behaviour indicating fraud. The analysis systems suggest immediate actions, such as blocking irregular transactions, which stops fraud before it occurs and improves profitability.

Compliance and Regulatory Requirements

Financial services firms operate under a heavy regulatory framework, which requires significant levels of monitoring and reporting.

Customer Segmentation

Banks have been under pressure to change from product-centric to customer-centric businesses. One way to achieve that transformation is to better understand their customers through segmentation. Big data enables them to group customers into distinct segments, which are defined by data sets that may include customer demographics, daily transactions, interactions with online and telephone customer service systems, and external data, such as the value of their homes. Promotions and marketing campaigns are then targeted to customers according to their segments.

Personalized Marketing

One step beyond segment-based marketing is personalized marketing, which targets customers based on understanding of their individual buying habits. While it's supported by big data analysis of merchant records, financial services firms can also incorporate unstructured data from their customers' social media profiles in order to create a fuller picture of the customers' needs through customer sentiment analysis. Once those needs are understood, big data analysis can create a credit risk assessment in order to decide whether or not to go ahead with a transaction.

Risk Management

While every business needs to engage in risk management, the need may be largest in the financial industry. Regulatory schemes such as Basel III require firms to manage their market liquidity risk through stress testing. Financial firms also manage their customer risk through analysis of complete customer portfolios. The risks of algorithmic trading are managed through backtesting strategies against historical data. Big data analysis can also support real-time alerting if a risk threshold is surpassed.

Use Cases

MANUFACTURING INDUSTRY

Improving Manufacturing Processes

A biopharmaceutical company was using live, genetically engineered cells and tracking 200 variables to track the purity of its manufacturing process for vaccines and blood components. However, two batches of the same substance manufactured using identical processes showed a yield variation from 50 to 100 percent. The inconsistency in capacity and quality could attract regulatory attention.

Using big data analytics the company assessed process interdependencies and identified nine parameters that had a direct impact on vaccine yield. By modifying target processes the company was able to increase vaccine production by 50 percent.

Custom Product Design

Tata Consultancy Services cites the case of a \$2 billion company that generates most of its revenue by manufacturing products to order. Using big data analytics this company was able to analyze the behaviour of repeat customers. The outcome is critical to understanding how to deliver goods in a timely and profitable manner. Much of the analyses centered on how to make sure strong contracts were in place. The company also was able to shift to lean manufacturing to determine which products were viable and which ones needed to be scrapped.

Better Quality Assurance

Intel has been harnessing big data for its processor manufacturing for some time. The chipmaker has to test every chip that comes off its production line. That normally means running each chip through 19,000 tests. Using big data for predictive analytics Intel was able to significantly reduce the number of tests required for quality assurance. Starting at the wafer level, Intel analyzed data from the manufacturing process to cut down test time and focus on specific tests.

The result was a savings of \$3 million in manufacturing costs for a single line of Intel Core processors. By expanding big data use in its chip manufacturing, the company expects to save an additional \$30 million.

Managing Supply Chain Risk

One manufacturer is using big data to reduce risk in delivery of raw materials, no matter what happens in the supply chain. Using big data analytics, the company has overlaid potential delays on a map, analyzing weather statistics for traffic, truck breakdowns, construction, crime, tornadoes, earthquakes, hurricanes, etc. Predictive analytics allow the company to calculate the probabilities of delays. The company uses the analytics findings to identify backup suppliers and develop contingency plans to make sure production isn't interrupted by natural and artificial disaster.

Use Cases

RETAIL

Upsell and Cross-Sell Recommendations

Providing up-sell and cross-sell recommendations to customers is the mostly widely adopted big data use case in the retail sector. This enables retailers to increase online purchases by recommending relevant products and promotions in real time. Retailers can recommend products based on what other similar customers have bought—providing upsell, cross-sell or “next best offer” opportunities.

Recommendations can benefit from a much broader context, not only checking which combinations are most likely, but also, based on a very fine-grained “graph analysis,” identifying a closely related peer consumer group

Social Media

Consumers can use social media to exert tremendous influence over a retailer’s brand or a product’s success. Retailers need to monitor online sentiment and respond in real time with relevant messages or offers.

Retailers thus gain insights into consumer behaviour and social relationships by analyzing not only their online behavior and prior transactions but also social network activity. They can aggregate multiple streams of unstructured social media data and user-generated content across multiple channels.

Dynamic Pricing Across Multiple Channels

When consumers are able to shop across multiple channels in real time, slight differences

in pricing can make a difference in their purchase decisions. Dynamic pricing across multiple channels is not new, but big data allows for a more refined set of indicators for price elasticity in comparison with traditional influencers such as time and availability. Other indicators include the weather, the location, the complete buying profile and social media presence of a customer.

Fraud Detection

Retail fraud can range from fraud in returns or abuse of customer service, or credit risk for larger purchases, based on, for example, uncovering fraud rings, social media activity of customers and detecting patterns. It can also be major security breaches putting private customer information at risk. Retailers need to protect their margins and their reputations by proactively detecting fraudulent activities.

TELECOM

Customer Experience Management (360)

- Targeted Marketing and Personalization
- Predictive Churn Analytics
- Customer Journey Analytics

Network Optimization

- Network Capacity Planning and Optimization
- Network Investment Planning
- Real-Time Network Analytics

Operational Analytics

- Revenue Leakage and Assurance
- Cyber Security and Information Management
- Order-to-Activation
- Customer Care Optimization

Technology Advisory

We are equipped with standard best practices, templates and frameworks that turn your investment in IT processes into profitable experience.



With over twenty years' experience in Information Technology industry and deep understanding of Information Technology best practices, we offer you excellent technology advisory services that see to the efficient and effective deployment of your enterprise resources to drive corporate performance.

Our team of Business Consultants are available to grant you audience. They are available to listen to your story. They will provide you professional guidance and help you identify gaps

in your business processes. We will work with you from the beginning of the change efforts to the end until your preferred objectives become intrinsic part of your corporate culture.

Our Technology Advisory services involve but not limited to review of OEMs maintenance notes and updates, Strategic Information System Planning (SISP) implementation, design of Information Technology Roadmap, Enterprise Architectural design, Infrastructure Management, Business Continuity Planning etc.

Business Applications

All our business applications are designed with simplicity and ultimate user experience in mind.

Our business applications are developed towards attainment of strategic fit between the business processes and the available Information Technology platform. Our team of software developers are consistently developing enterprise and individualized web and mobile applications that guarantee fulfilment of corporate and personal objectives.





Training

We deliver bespoke hands-on technology courses

SAP Netweaver
Technology

ORACLE

SQL Server

HADOOP

UNIX OS

LINUX OS

Python

PHP

R Programming

JAVA

C++

Our seasoned faculty members are technology professionals who are on daily basis helping organisations realize their return on investment in technology solutions through their expert guidance and skills transfer sessions.


CONTACT US

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