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DATA | INSIGHT | PROFIT

SERVICES CATALOGUE

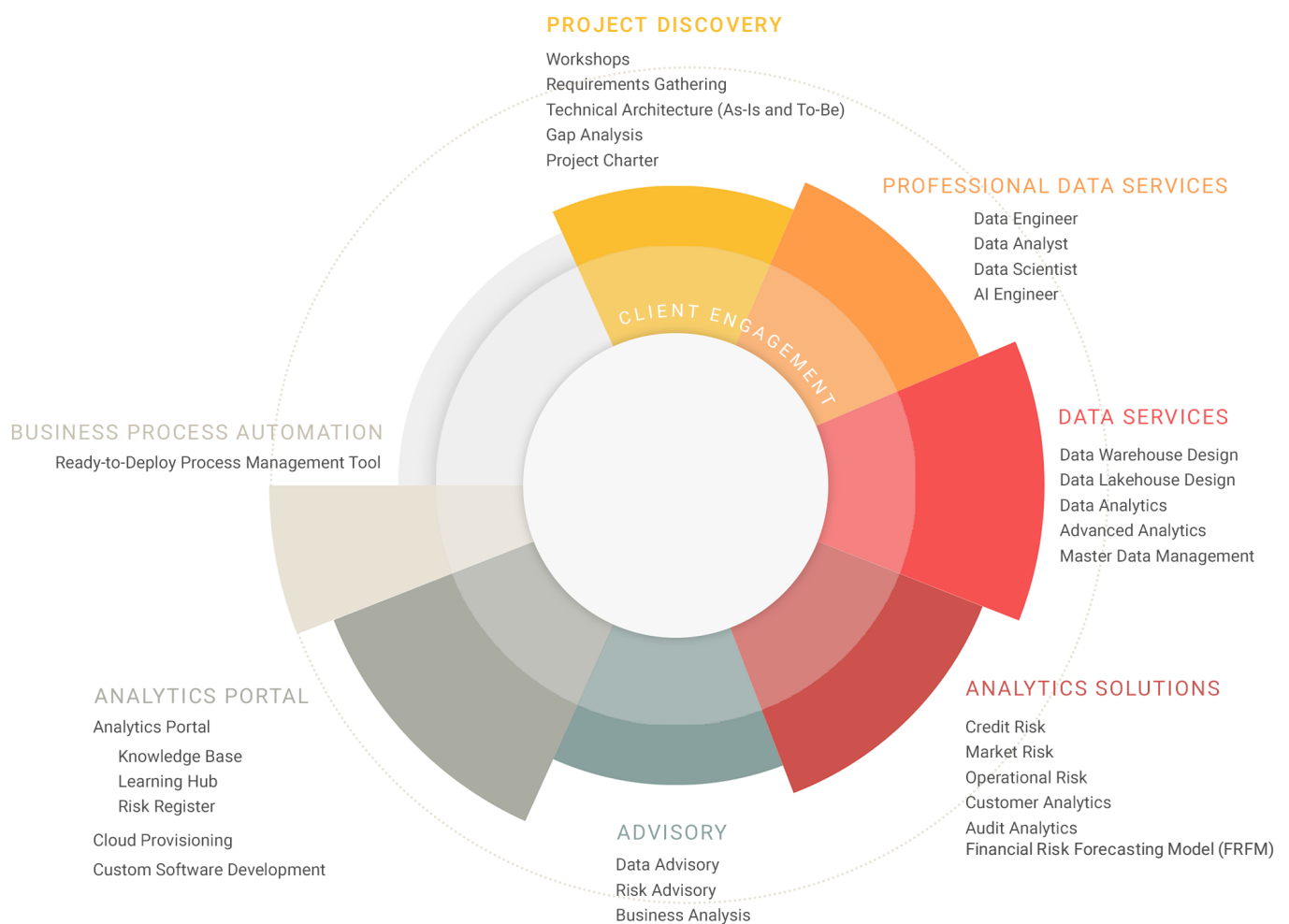ILION ANALYTICS | AUGUST 2024

SERVICES CATALOGUE

At Ilion Analytics, we believe in deep, meaningful engagements that drive true transformation.

Our service model is built around providing dedicated, full-time consultants who become an integral part of your team. We offer a range of services, each delivered by a team of at least two skilled professionals, ensuring comprehensive support and expertise.

OUR SERVICE CATEGORIES

Each category is tailored to address different aspects of your data and risk management needs, ensuring a comprehensive approach to your business challenges.

1. CLIENT ENGAGEMENT

2. DATA SERVICES

3. ANALYTICS SOLUTIONS

4. ADVISORY SERVICES

5. ANALYTICS PORTAL

6. BUSINESS PROCESS AUTOMATION

PROJECT DISCOVERY
Workshops
Requirements Gathering
Technical Architecture (As-Is and To-Be)
Gap Analysis
Project Charter

PROFESSIONAL DATA SERVICES
Data Engineer
Data Analyst
Data Scientist
AI Engineer

CLIENT ENGAGEMENT

BUSINESS PROCESS AUTOMATION
Ready-to-Deploy Process Management Tool

DATA SERVICES
Data Warehouse Design
Data Lakehouse Design
Data Analytics
Advanced Analytics
Master Data Management

ANALYTICS PORTAL
Analytics Portal
Knowledge Base
Learning Hub
Risk Register
Cloud Provisioning
Custom Software Development

ANALYTICS SOLUTIONS
Credit Risk
Market Risk
Operational Risk
Customer Analytics
Audit Analytics
Financial Risk Forecasting Model (FRFM)

ADVISORY
Data Advisory
Risk Advisory
Business Analysis

CLIENT ENGAGEMENT

PROJECT DISCOVERY

Our Project Discovery service is tailored for organisations initiating data-driven projects and seeking clarity on the optimal starting point. We provide expert insights and structured guidance, enabling you to make informed decisions and strategically advance in your data initiatives with confidence.

Core Benefit: Achieve enhanced clarity and direction in your data initiatives by aligning them with your organisation's strategic objectives. This alignment fosters a cohesive, data-driven framework for informed decision-making, optimised resource allocation, and effective project execution, ensuring that your data efforts contribute meaningfully to long-term goals and overall business success.

Key Deliverables:

- Comprehensive project charter
- Detailed requirements documentation
- Technical architecture blueprint (As-Is and To-Be)
- Gap analysis report
- Roadmap for implementation

PROFESSIONAL DATA SERVICES

We offer a highly skilled team of professionals, including Data Analysts, Data Engineers, Data Scientists, and AI Engineers, who seamlessly integrate with your existing workforce. This collaborative approach ensures specialised expertise is readily available to support and enhance your organisation's data-driven initiatives.

Core Benefit: Gain access to top-tier data talent without the overhead or long-term financial commitment associated with permanent hires. This flexible approach allows you to rapidly scale your data initiatives, leveraging specialised expertise to drive innovation and achieve results more efficiently, all while optimising resource allocation.

Key Deliverables: Customised based on specific needs, and may include:

- Data models
- ETL pipelines
- Machine learning models
- Data visualisations
- Comprehensive documentation

DATA SERVICES

DATA WAREHOUSE DESIGN

We ensure a smooth implementation of your data warehouse, helping to avoid costly mistakes by addressing critical considerations and trade-offs upfront.

Core Benefit: Establish a unified data repository that serves as a single source of truth, facilitating accelerated and precise reporting and analytics.

Key Deliverables: Dimensional design · Fact table design · Star-schema design · Operational data store (ODS) design · ETL process designs

DATA LAKE DESIGN

We provide a versatile and scalable solution for the storage and processing of large-scale data volumes, ensuring adaptability and performance as your data needs evolve.

Core Benefit: Leverage the full potential of your data assets to drive advanced analytics and deploy cutting-edge AI applications.

Key Deliverables: Data lake architecture design · Data ingestion pipelines · Data cataloguing system · Governance framework for the data lake

DATA ANALYTICS

We help you extract fact-based answers to your most pressing business questions through advanced data analysis.

Core Benefit: Transform raw data into actionable insights, empowering data-driven decision-making throughout your organisation.

Key Deliverables: Custom analytics models · Interactive dashboards · Regular insight reports · Analytics capability building

ADVANCED ANALYTICS

We leverage cutting-edge machine learning (ML) and artificial intelligence (AI) tools to reveal hidden insights and drive informed decision-making.

Core Benefit: Maintain a competitive edge with predictive and prescriptive analytics, revealing new opportunities for strategic advantage.

Key Deliverables: Machine learning models · AI-driven prediction systems · Advanced visualisation tools · MLOps framework

MASTER DATA MANAGEMENT

We streamline and consolidate your business data entities into a centralised hub, making them available for other applications to consume.

Core Benefit: Achieve data consistency across your organisation to enhance data quality and support more informed decision-making.

Key Deliverables: Master data model · Data governance framework · Data quality rules · System integration designs

ANALYTICS SOLUTIONS

CREDIT RISK ANALYTICS

We support the calculation of Expected Credit Loss (ECL) and other key credit risk metrics to ensure accurate and reliable risk assessment.

Core Benefit: Elevate your credit risk management capabilities to boost loan portfolio performance and ensure robust regulatory compliance.

Key Deliverables: Credit scoring models • ECL calculation engines • Regulatory reporting tools • Credit risk dashboards

MARKET RISK ANALYTICS

We facilitate the calculation of Value-At-Risk (VaR) and other market risk metrics, providing critical insights for effective risk management.

Core Benefit: Improve your market risk assessment capabilities to support more informed and strategic trading and investment decisions.

Key Deliverables: VAR models • Market risk dashboards • Scenario analysis tools • Regulatory reporting systems

OPERATIONAL RISK ANALYTICS

We support the quantification and management of operational risk events, helping you to mitigate potential impacts and strengthen risk controls.

Core Benefit: Reduce operational losses and improve overall efficiency by leveraging data-driven insights.

Key Deliverables: Operational risk assessment tools • KRI dashboards • Loss event databases • Scenario analysis models

CUSTOMER ANALYTICS

We deliver insights that enhance customer experience and drive increased engagement.

Core Benefit: Boost customer retention, optimize cross-selling opportunities, and elevate overall customer lifetime value.

Key Deliverables: Customer segmentation models • Churn prediction tools • Personalisation engines • Customer journey maps

AUDIT ANALYTICS

We address audit analytics challenges using advanced tools and methodologies, ensuring thorough and effective evaluations.

Core Benefit: Improve the efficiency and effectiveness of your audit processes, revealing insights that traditional methods might overlook.

Key Deliverables: Customer auditing tools • Fraud detection models • Audit sampling methodologies • Audit analytics dashboards

FINANCIAL RISK FORECASTING MODEL (FRFM)

We provide an integrated financial risk forecasting model that merges financial and risk data into a comprehensive, ready-to-use solution for managing and optimising business performance.

Core Benefit: Enhance strategic decision-making with thorough, forward-looking financial and risk insights.

Key Deliverables: Integrated financial forecasting models • Balance sheet optimisation • Stress testing frameworks • Regulatory reporting solutions

ADVISORY SERVICES

DATA ADVISORY

We assist you in developing a robust data strategy tailored to your organization's needs, ensuring alignment with your business goals. Our services include optimising data management practices to improve efficiency and data quality, and implementing comprehensive data governance policies to ensure data integrity, security, and compliance.

By integrating these elements, we help you create a solid foundation for data-driven decision-making and strategic planning.

Core Benefit: Transform your data into a strategic asset, driving business value and competitive advantage.

Key Deliverables: Data strategy document • Current state assessment report • Data governance framework • Data quality management plan • Data integration blueprint

RISK ADVISORY

We help you develop a thorough understanding of your enterprise risks by applying a risk-based approach. This method enables you to identify, assess, and manage potential risks more effectively, ensuring that you can control and align business objectives with desired outcomes.

By focusing on the most critical risks, you can make informed decisions that enhance overall strategic control and resilience.

Core Benefit: Strengthen your risk management capabilities to transform risk into a strategic driver of competitive advantage.

Key Deliverables: Enterprise risk management framework • Integrated risk register • Risk assessment methodologies • Risk reporting dashboards.

BUSINESS ANALYSIS

We assist in meticulously documenting and optimizing your processes to ensure they are both efficient and effective. By identifying and addressing areas for improvement, we help streamline your operations, reducing manual effort and minimising errors.

This comprehensive approach allows you to focus your resources and attention on delivering exceptional client service, ultimately enhancing customer satisfaction and driving business growth.

Core Benefit: Our solution streamlines operations by automating workflows and reducing inefficiencies, leading to improved productivity, cost savings, and enhanced overall business performance.

Key Deliverables: Comprehensive process documentation (BPMN notation) • Entity relationship diagrams (ERD) • Data flow diagrams (DFD) • Process improvement recommendations

SOFTWARE SERVICES

ANALYTICS PORTAL

We offer a centralised platform designed to manage critical information efficiently, enhance team collaboration, and facilitate easy access to vital resources. This unified solution streamlines workflows, improves data integration, and supports seamless communication across your organisation.

Core Benefit: Empower your team with self-service analytics capabilities, democratising data access across your organisation. This approach allows users at all levels to independently explore and analyse data, fostering a culture of data-driven decision-making and enabling more agile responses to business needs.

Key Deliverables: Customised analytics portal • User training materials • Regular feature updates • Support and maintenance

BUSINESS PROCESS AUTOMATION

We offer a centralised platform designed to manage critical information efficiently, enhance team collaboration, and facilitate easy access to vital resources. This unified solution streamlines workflows, improves data integration, and supports seamless communication across your organisation.

Core Benefit: Using process automation tools simplifies achieving operational excellence, optimises your current processes, and provides the flexibility to adapt and grow with your business needs.

Key Deliverables: Customised workflow designs • Process automation scripts • Integration with existing system • User training

CUSTOM SOFTWARE DEVELOPMENT

We offer tailored software development services designed to seamlessly integrate advanced analytics into your operational environments. Our expertise includes creating custom data capture applications that address your specific needs and unique requirements.

Whether you need to enhance your existing systems with sophisticated analytics capabilities or develop new applications for specialised data collection, our solutions are crafted to optimise performance and meet your exact specifications.

Core Benefit: Receive custom solutions designed to perfectly align with your unique business needs and integrate seamlessly with your existing systems.

Key Deliverables: Custom software applications • Integration services • Comprehensive documentation • User training

ENGAGEMENT MODEL

At Ilion Analytics, we are dedicated to fostering deep and meaningful engagements that drive real, transformative change.

Our approach centers on providing dedicated, full-time consultants who immerse themselves in your organisation, becoming integral members of your team. This commitment allows us to gain a thorough understanding of your unique challenges and objectives, enabling us to deliver tailored solutions that address your specific needs.

By embedding ourselves within your team, we ensure a collaborative partnership that enhances your operational effectiveness and supports your long-term strategic goals.

- **Minimum Team Size:** 2 consultants

- **Engagement Duration:** 3, 6, or 12 months

- **Customisation:** While we offer standard service categories, each engagement is tailored to your particular needs and challenges.

NEXT STEPS

Ready to start your data-driven transformation journey? Here's how to engage with Ilion Analytics:

1. **Initial Consultation:** Contact us for a complimentary, no-obligation consultation where we can explore your needs and challenges in detail. This initial discussion will help us understand your specific requirements and how our tailored solutions can address them effectively.

2. **Proposal:** We will deliver a comprehensive proposal detailing our recommended team composition, approach, and timeline. This proposal will outline how we plan to address your needs, ensuring clarity on the scope of work and the steps involved in achieving your objectives.

3. **Engagement:** Once the proposal is approved, we will initiate our engagement with a kick-off meeting to align on goals, expectations, and project milestones. This meeting will set the stage for a successful collaboration, ensuring that all parties are on the same page and ready to move forward.

Contact us to initiate your path to achieving data-driven excellence through advanced analytics and bespoke solutions.

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ILION ANALYTICS

TRANSFORMING FINANCIAL SERVICES THROUGH
DATA-DRIVEN INSIGHTS & INNOVATION