# ARCTIQ

# Arctiq Data Services

≋ Platform Engineering

Harnessing data is not just about collecting information; it's about turning that information into actionable insights that enable you to make smarter decisions, deliver personalized customer experiences, and manage risks proactively. Whether it's cutting costs through improved efficiency or fueling innovation and adaptation, the strategic use of data transforms how organizations operate and grow.

Arctiq's Data Practice seeks to transform raw data into actionable insights, generating significant business value. Our services focus on building enterprise-scale data platforms, enabling analytics and AI, and providing comprehensive data management solutions.

## DATA SERVICES:

## Enabling Platforms to Do More with Data

At its core, Arctiq's Data Services aim to empower organizations by building platforms that unlock the full potential of their data.

### Governance and Security

We help organizations manage and secure the entire data lifecycle, ensuring compliance and protecting against risks.

### Data Engineering and Data Science

We provide the data pipelines and infrastructure necessary for large-scale big data initiatives. This includes leveraging the latest cloud technologies to ensure scalability and performance.

### Analytics

Our services include developing and refining analytics capabilities that drive continuous insights, supporting better decision-making and innovation.

### Platform and Automation

As part of our platform engineering expertise, we offer automation capabilities for infrastructure deployments, cloud operations, landing zones, and data pipelines. This streamlines operations and reduces manual effort.

### Strategy and Migration Services

We guide clients through the process of platform modernization, helping them understand their current state, define a roadmap, and migrate to new platforms—whether on-premises, in the cloud, or in a hybrid environment.

**ADVANCED ANALYTICS:**

# Achieving Business Goals with Data-Driven Insights

Arctiq's Advanced Analytics Services help organizations achieve specific business goals through the strategic use of AI. Our approach begins by defining the business objective, then identifying the use-case, and finally developing and deploying AI models that deliver the desired outcomes.

### Defining Business Goals

We work with organizations to identify their primary objectives and the challenges they face, ensuring a clear alignment between data initiatives and business outcomes.

### Use Case Scoping

We analyze and scope use cases that align with the identified goals, ensuring that the AI solutions we develop are targeted and effective.

### Feature Engineering

We transform raw data into features which are critical for the development of effective AI models.

### Model Development and Testing

We develop and test multiple AI models, selecting the best-performing ones for deployment.

### Deployment and Value Delivery

The selected models are deployed in production environments where they continuously deliver business value, whether through cost savings, new revenue streams, or other key outcomes.

# Data Service Engagements

Arctiq delivers a range of specialized engagement types designed to address the unique challenges and goals of each client. Whether you're looking to assess your current environment, implement cutting-edge solutions, or fully modernize your IT infrastructure; Arctiq has the expertise and flexibility to provide the right support.

## Insight IQ

**Assessments and Audits**

In-depth evaluations of current systems, security postures, data environments, and workflows to identify gaps, risks, and opportunities for improvement.

**Strategy and Consulting**

Advisory services that help organizations develop roadmaps, align technology with business goals, and plan for future growth and innovation.

## Design IQ
## Build IQ

**Implementation, Platforms, and Data Engineering**

Services to design, build, and integrate scalable, secure data platforms and analytics solutions. We ensure systems are optimized for performance and support enterprise-scale applications.

**Proof of Concept (PoC) and Pilot Projects**

Short-term engagements that allow clients to test and validate new technologies or approaches before full-scale deployment.

## Shift IQ

**Migrations and Modernization**

Assistance with moving from legacy systems to modern platforms, whether on-premises, in the cloud, or hybrid, while minimizing downtime and ensuring data integrity.

## Enable IQ

**Training and Enablement**

Customized training programs and workshops that empower teams with the skills and knowledge to maximize the value of their technology investments.

# ARCTIQ

## Integrated Approach:
## Building the Platform, Leveraging AI

Arctiq's comprehensive approach begins with creating robust, enterprise-scale data platforms that form the foundation for transformative AI solutions. By building on this strong foundation, we deliver AI-driven insights and innovation that generate tangible, measurable business value, empowering organizations to achieve their strategic goals and stay ahead in an ever-evolving landscape.

# Strategic Partnerships

Arctiq's Data Practice is bolstered by strategic partnerships with industry-leading technology providers.

### A Priority Partner for Data Platforms

Databricks is at the forefront of data intelligence, providing an industry-standard platform for building high-performance big data solutions. Heavily based on open-source technologies, Databricks offers flexibility with minimal lock-in, making it an ideal choice for enterprise-scale data initiatives.

### Cloud Providers

We partner with major cloud providers, including Microsoft Azure, Google Cloud Platform, and Amazon Web Services, to deliver comprehensive data solutions. Each of these platforms offers unique capabilities, and we work with clients to select and optimize the best platform for their needs. Our expertise extends to native cloud technologies and integrating Databricks on these platforms for enhanced performance and scalability.

### Governance and Security

Cyera specializes in data governance and security, providing tools for data lineage, observability, and compliance. Our partnership with Cyera ensures that our clients have access to robust governance solutions that protect their data and meet regulatory requirements.

### Data Warehousing with Snowflake

Snowflake revolutionizes data warehousing by offering a fully-managed, cloud-native solution that delivers near-infinite scalability, instant elasticity, and secure data sharing across multiple clouds. Its multi-cluster architecture supports diverse workloads, from batch and streaming data to advanced analytics.

## Contact Arctiq Today

▶ Whether your organization needs a solid data foundation, advanced AI capabilities, or both, contact Arctiq to help you achieve your goals and thrive in a data-driven world.

**Book an Assessment**

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