ESG-ready ecosystem for a UK-based Asset Management firm
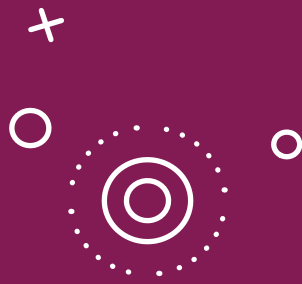
Overview

Mindtree partnered with a UK-based global asset management firm in building an ESG analytics platform as part of the client's three-year ESG integration roadmap. Mindtree assessed the ESG data (carbon footprint, greenhouse gas emission) modelling in the enterprise data lake, and re-architected the existing enterprise data infrastructure to model the ESG factors data set.

Customer's vision and requirement

Unprecedented global challenges surrounding climate-related events, user investment preferences, societal changes, privacy and data security considerations coupled with regulatory pressures are resulting in defining ESG investment strategies and products, as the market and ecosystem evolves. The client's vision was to streamline the ESG factors data integration and automate reporting across asset classes – Equities/Fixed income/Alternatives, and reduce manual effort. The vision was also to re-architect the existing enterprise data infrastructure to create a strong data foundation to realize future use cases and meet evolving regulatory requirements.

Solution

- Mindtree performed domain-led data consulting to assess the ESG data (carbon footprint, greenhouse gas emission) modelling in the enterprise data lake.
- Outlined the ESG factors integration across investment classes – equities / fixed income / alternatives
- Re-architected the existing enterprise data infrastructure to model the ESG factors data set.
- Built the API framework for end-user ESG data consumption to generate ESG analytics, sales, distribution and other investments.
- Designed the architecture to mastering external (vendor) and strategic ESG datasets in the data lake along with regular security data.
- Extended the existing data lake on Azure to create a central data hub.

Business Benefits

- The scalable platform is aimed to deliver the responsible alpha by embedding ESG factors in the client's investment model.
- Delivered end-to-end ESG integrated investment, products (funds) and distribution strategy, allowing the company to remain competitive in the market.
- Aligned ESG framework with – TCFD, SASB, EU SFDR Level 1 - non-financial reporting directive (NFRD), taxonomy regulations, and nurtured ESG investing capabilities.
- Automated ESG reports for key clients worth GBP 250 billion.
- ESG data tools and climate scenario modeling tools made available for 400+ users in equity, fixed income and quants teams.
- 50% reduction in time spent on ingestion and generation of reports.

UK-based Leading Asset Management Firm
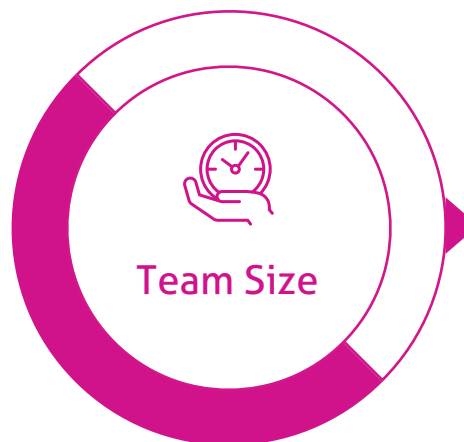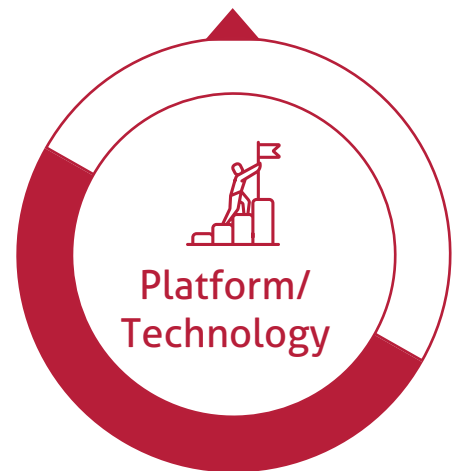
Customer

Financial Services

Industry

Data Management

Area of Work

Equities, Fixed Income, Alternatives

Asset Class

Data warehousing, Reporting

Services

Azure Data Factory, Databricks, Azure Data Lake (ADLS Gen 2)

Platform/ Technology

Team Size

10+ (Onsite + Offshore)

About Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and services company, helping enterprises marry scale with agility to achieve competitive advantage. "Born digital," in 1999 and now a Larsen & Toubro Group Company, Mindtree applies its deep domain knowledge to 260 enterprise client engagements to break down silos, make sense of digital complexity and bring new initiatives to market faster. We enable IT to move at the speed of business, leveraging emerging technologies and the efficiencies of Continuous Delivery to spur business innovation. Operating in 24 countries across the world, we're consistently regarded as one of the best places to work, embodied every day by our winning culture made up of over 32,000 entrepreneurial, collaborative and dedicated "Mindtree Minds."