Building **ESG Analytics platform** for a

Global Asset Management firm's **ESG Integration program**

Client Overview

The client is one of the world's largest investment management firms based out of Scotland. The client has been integrating environmental, social, and governance (ESG) factors into its investment process since the 1990s, and by putting ESG factors at the heart of the investment process, they firmly believe that they can generate better outcomes for their clients.

Business Challenge Faced By The Client

Unprecedented global challenges - Climate related events, privacy, and data security considerations coupled with regulatory pressures resulting in systematic inclusion of ESG related information into investment analysis and decision making.

Change in Millennials' investment preference influenced the client to define ESG Investment strategies and products.

Building ESG analytics platform by leveraging conventional and alternative ESG data sources that enables firms to accelerate their ESG journey and sustain as market evolves.
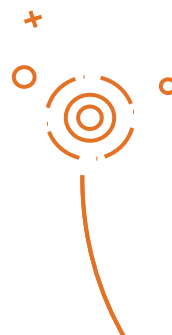
Clients Requirements

Key Business requirements to outline the solution architecture and recommendations to support the client's ESG integration.

Outlining the ESG factors integration across investment in asset classes – equities/fixed income/alternatives.

Start with integrating carbon footprint ESG factors in investments and portfolios.

Re-architect the existing enterprise data infrastructure to model the ESG factors data sets and also explore future state (both stated and perceived) requirements in line with the client's IT and digital strategy considerations.

Mindtree Solution Approach

- Mindtree performed domain-led data consulting to assess the ESG data (carbon footprint, greenhouse gas emission) modelling in the enterprise data lake.

- Designed the architecture to master external (vendor) and strategic ESG datasets in data lake along with regular security data.

- Building the API framework for end-user ESG data consumption to generate ESG analytics, sales, distribution and other investment functions

Solution Highlights

- ESG analytics solution architecture planned in phases. Carbon footprint integration in phase -1 and other ESG factors in phase -2 and 3.

- Parallel development of API framework for end-user data consumptions and designing data cataloging, mastering approach in the enterprise data lake.

Business Benefits

- The platform delivered 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 asset management firm to remain competitive in market.

- Aligned ESG framework with – TCFD, SASB, EU - non-financial reporting directive (NFRD), taxonomy regulations, and nurtured ESG investing capabilities.

Tools / Technology Environment:
Azure data factory, deltalake,
Azure API management, Power BI

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 280+ 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 more than 15 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 21,800 entrepreneurial, collaborative and dedicated "Mindtree Minds".

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