



Sustainable management 2.0: digital era

Accurate decisions based on
accurate data

C-Suite Business Insight by KPMG



Background



Interest in the topic of reporting and business usage of ESG indicators (environmental, social and corporate governance) has increased significantly over the last several years among investors, regulatory bodies and other stakeholders.

The European Commission has adopted the Corporate Sustainability Reporting Directive (CSRD), which enhances relevance and transparency of ESG reporting and requires reliable and comparable data. The ESG results already support or inhibit access to external finance.

Investors and business partners use ESG ratings provided by rating agencies to filter out assets with poor environmental, social and corporate governance results.



- The usage of ESG data and information **can bring the greatest benefit within the organization**, providing additional value **in strategic decision-making**, company development, enhancing competitive advantage and risk management.
- ESG indicators are not just about greenhouse gas emission, but many other critical organization's operational areas - availability of production raw materials, supply chain stability, employee safety, talent development and retention or attention to information security.



- Major challenge in achieving this is the availability of **complete, accurate and up-to-date data**.
- Systems in which ESG data is collected are much less mature in comparison to those used to record financial data, and consequently access to high quality management information is highly limited.
- Furthermore, selecting ESG areas and metrics which reporting and analysis will bring measurable benefits to the organization is very often an issue.

Our services

[START](#)[BACKGROUND](#)[OUR SERVICES](#)[ESG DATA ANALYTICS](#)[WHY KPMG?](#)

The KPMG team offers full support from selecting the right ESG metrics for the organization, to providing data sources and finally - building analytical solutions to support business decision-making.

STEP 1

Advisory related to the selection of ESG indicators

As a first step, we support the client in identifying the most relevant indicators for the organisation from over 200 diverse metrics from the environmental, social and governance areas. In risk and gap analyses we identify factors to truly assess the financial impact, the resilience of the company to internal and external risks now and in the future. We build KPIs, strategies and ESG programs to achieve regulatory compliance, effectiveness of Compliance programs and risk mitigation. At the same time, meeting the expectations of key stakeholders, aligned with industry specifics, competitor activities and criteria used by rating agencies.

STEP 2

Preparation for the implementation of data analytics in the ESG area - feasibility study (verification of data sources and quality)

At this stage, we carry out analysis of possible automation of calculation of indicators selected by the Company. In the workshop, we discuss the definitions of the individual indicators and identify the necessary data sources (system sources - for example, ERP or HR systems, other - for example, flat files) and possible deficiencies in the necessary information recording.

STEP 3

Automation of data gathering for ESG analytics

The purpose of this step is to ensure data availability for the implementation of ESG analytics. Depending on the specifics of the indicators and the inventoried data sources, the KPMG team may carry out the following steps:

- Implementation of data warehouse, in particular for system sources and indicators that the Company would like to monitor on an ongoing basis;
- Implementation of solutions to automate manual data gathering, for example, OCR of accounting documents (AI);
- Development of an environment for manual data recording, while ensuring high data quality (timeliness, correctness, accuracy, completeness of recorded information);
- Other solutions that will allow the calculation and visualization of ESG KPIs, for example implementation of Microsoft Cloud for Sustainability.

STEP 4

Implementation of data analytics in the ESG area

After ensuring data availability, the final step is to implement data analytics. At this stage, we prepare the business and technical specifications for the implementation, as well as mock-ups of the visualization of Business Intelligence reports. Once the client accepts the materials, we proceed with the implementation of the data model, calculation formulas and visualizations.

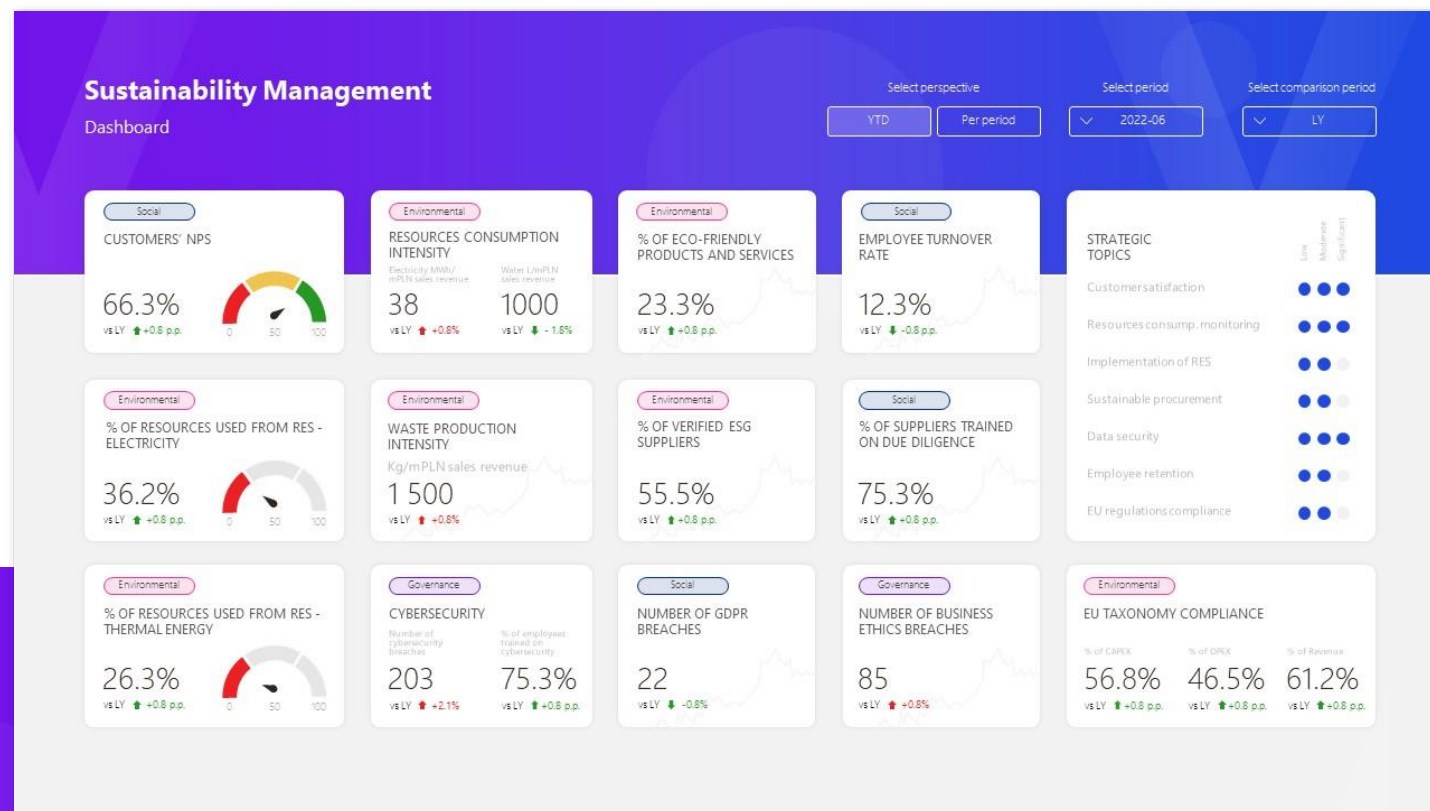
Data analytics


EXAMPLES OF SOLUTIONS

- ✓ Integration of multiple data sources on a single report
- ✓ Access to current management information
- ✓ Simple time period selection for analysis (per period, cumulative)
- ✓ Intuitive interface and deviation analysis
- ✓ Moving to details after selecting a tile

Management report, presenting the most relevant information for the organization in each Sustainability management area

EXECUTIVE DASHBOARD



 KPMG visualization concept, using Microsoft Power BI technology


Data analytics

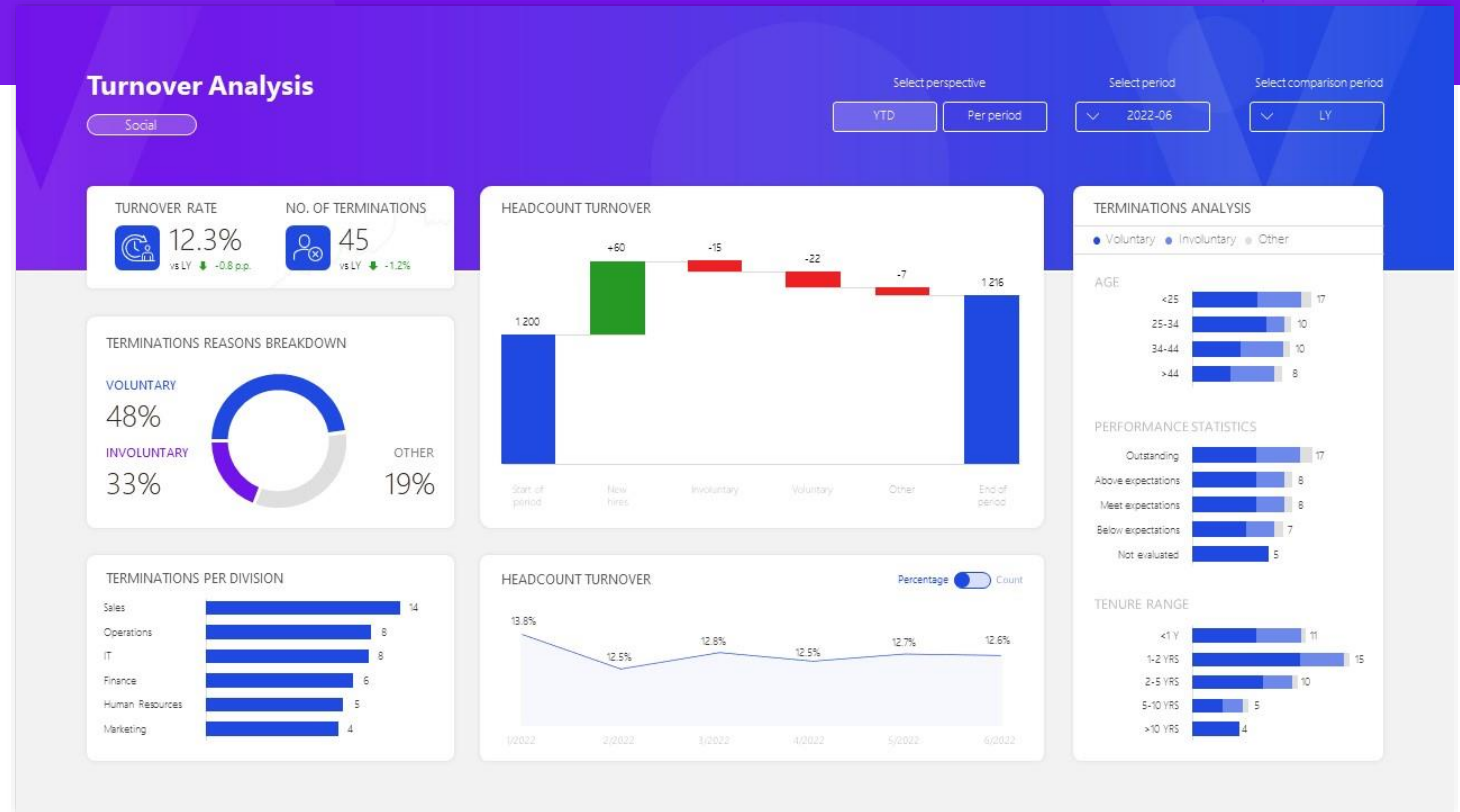
EXAMPLES OF SOLUTIONS

TURNOVER ANALYSIS

Tactical report for a complex analysis of employee rotation and reasons for leaving the organization

- ✓ Top-down approach
- ✓ Simple identification of the reasons for a declining or improving situation
- ✓ Indicator analysis over time - do we meet targets and our ambitions?
- ✓ Analysis of terminations per employee experience period, grade and department - are we losing our key staff?

 KPMG visualization concept, using Microsoft Power BI technology



Why KPMG?

BUSINESS AND IT PERSPECTIVES COMBINATION



Gold Data Analytics
Gold Data Platform
Gold DevOps
Gold Application Development
Gold Cloud Platform

COMPETENT BUSINESS PARTNER

KPMG's ESG advisory team is an experienced and trusted partner in leading projects regarding strategy, diagnostics, reporting and monitoring of ESG indicators.

Knowledge gained through experience

- 53 awards won by clients for reports prepared with the support of our team
- 60 ESG and integrated reports using innovative communication tools
- 10 ESG strategies created for major industry players

Competences

- Reporting in accordance with GRI and ESRS standards
- Working following rating criteria (e.g. Sustainalytics, MSCI, S&P 500, Refinitiv, EcoVadis)
- ESG gaps and risks analysis, analysis of compliance with NFRD/CSRD*, CSDD*, EU Taxonomy, SFDR, etc.

STRONG TECHNICAL COMPETENCES



Power BI Fast Track
Recognized Solutions
Architect



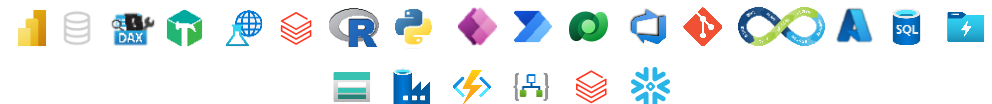
2 MSFT MVP Data
Platform candidates
(in progress)

Certified skills

- Azure AI Engineer Associate
- Data Analyst Associate
- Azure Data Engineer Associate
- Power Platform Developer Associate
- Power Platform App Maker Associate
- Power Platform Functional Consultant Associate

Competences

- Data Analytics
- Data Engineering
- Data Science & ML & AI
- DevOps & CI/CD
- Low-code applications





Justyna Piekarska
ACMA, CGMA

Director, Business Advisory
Data Intelligence Solutions

jpiekarska@kpmg.pl



Łukasz Kolano

Senior Manager, Business Advisory
ESG Reporting

lkolano@kpmg.pl