

# Hackathon 2022

ENEL AFC – Team: Mission Controller 2.0  
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## Mission Controller 2.0 Challenge



The ENEL - AFC reporting team, publishes periodically the group economic-industrial information relating to the performance of the company. The reports are consulted from controllers to the top management (CFO).

Leveraging on data advanced analytics techniques, the ENEL – AFC reporting team would like to find the relations between the actual strategic performance indicators published into the reports and other non-monetary or operational variables, internal or external the company.

In Enel's digital transformation strategy is necessary to support with advanced analysis the evolution of controller profession (Controllers 2.0). So, the aim of the **challenge** is to run an analysis of *Electricity Production* and *EBITDA* Indicators, identifying the internal and external factors, that are not included in the ENEL performance indicators evaluation, and can be relevant in predicting the future trends for strategic internal KPIs.

ENEL during the competition will provide Hackathon teams some internal variable to analyze (please see slide 2). Moreover, It is required for all teams to enrich the ENEL variables set with other external indicators (open data) including pandemic statistics, sustainability data, financial market trends and other factors that they feel may be of interest for the analysis.

### The main requirements are:

1. Analysis of Electricity Production and EBITDA indicators (by Region/Countries, Business Lines, Technologies) based on ENEL shared variables set and participants suggestions (please, consider mandatory climatic data, the pandemic statistics, sustainability data, climatic data and financial market trends, social data including competitors' trends);
2. A short/medium term (max 12months) forecast of the Electricity Production /EBITDA Indicators (including the results referred to in point 1);

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## Mission Controller 2.0



### DATA Provided by ENEL

#### ENEL Industrial & Economics Measures'

- Electricity Production (by countries, Business Lines, technologies,) . the historical period is 3 years, the frequency is monthly and the available comparison scenario is Budget.
- EBITDA (by countries, Business Lines). the historical period is 3 years, the frequency is monthly and the available comparison scenario is Budget.

#### ENEL Social Data

- ENEL Twitter Conversations
- Competitive social news
- Global Power Generation Sustainability social conversations

### Required External Open Data to retrieve:

- Climatic Data
- COVID statistics
- Sustainability indicators
- Financial market trends
- Other Social Data

### Required Action:

- Add Other information (based on open data) that participants feel may be of interest for the analysis

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## Mission Controller 2.0 Glossary



**EBITDA:** Earnings Before Interests Taxes Depreciation and Amortization – represents the gross operating margin and it is an indicator of operating performance. It is calculated by summing the "Operating profit" and the "depreciation and amortization".

**Electricity Production:** Electricity generated from fossil fuels, nuclear power plants, hydro power plants, geothermal systems, solar panels, biofuels, wind.

**BDG:** The budget is a formal statement of estimated income and expenses based on future plans and objectives. The budget is one of the fundamental instruments for planning and controlling economic activity. As a rule, it covers the accounting year (known as the 'financial year') following the one in which it is drawn up. Associated with data and variables, it indicates its applicability within the planning of the financial year.

**FCT:** Forecast is a process for forecasting economic and financial objectives for the current financial year.

**FY:** The fiscal year is referred to as a twelve-month period and is used for budgeting, accounting and all other financial reports for industries.

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**Thank you**

