



TELSY – Olimpo

Decision Intelligence Platform

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EU CYBERNET SUMMER SCHOOL 2025

Cyber Crisis Management:
Navigating Disinformation and
Cyber Attacks in the AI Era



Federal Foreign Office



Funded by
the European Union

The platform for context analysis

TelsyOlimpo enables the in-depth analysis of large amounts of data from **OSINT**, **CLOSINT** and **SOCMINT** sources, speeding up the extraction of all the insights capable of providing analysts and decision makers with a clear, precise and consistent picture of the phenomena analysed.

The integration with **link analysis** and **structured analysis** tools also makes it possible to probe all those most hidden and latent aspects of the facts of interest, allowing platform users to conduct **multi-domain** and **multi-dimensional** researches or investigations even in those fields in which specific expertise is generally required

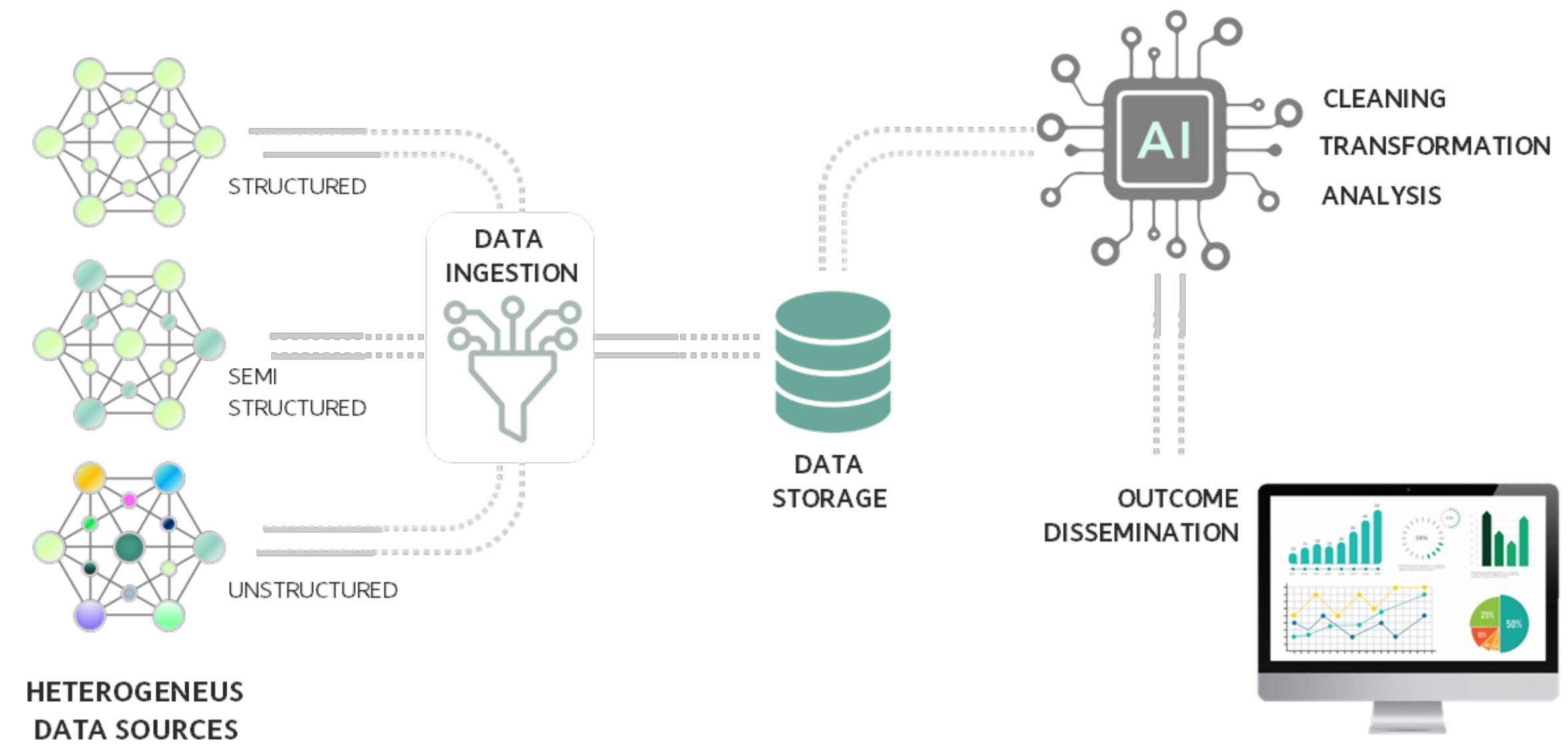


Decision Intelligence Platform

Analysis and automation process

Modular intelligence platform based on **Machine Learning and Artificial Intelligence algorithms** that integrates and correlates a massive amount of heterogeneous sources (OSINT and SOCMINT).

It offers enabling technologies to integrate and correlate large amounts of data, **structured, unstructured and semi-structured** (unformatted or unconventionally formatted files), internal and external to the organization, in order to address the growing need for transparency, interpretability, and reliability in decisions.

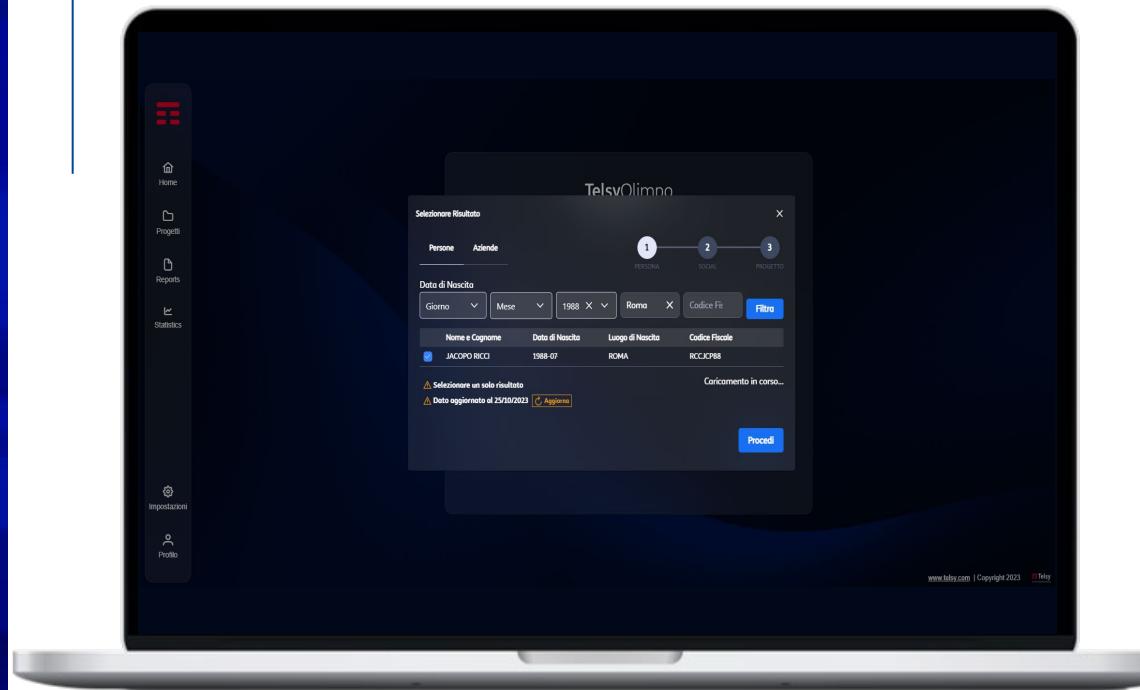


Streamlined processes

Assisted disambiguation

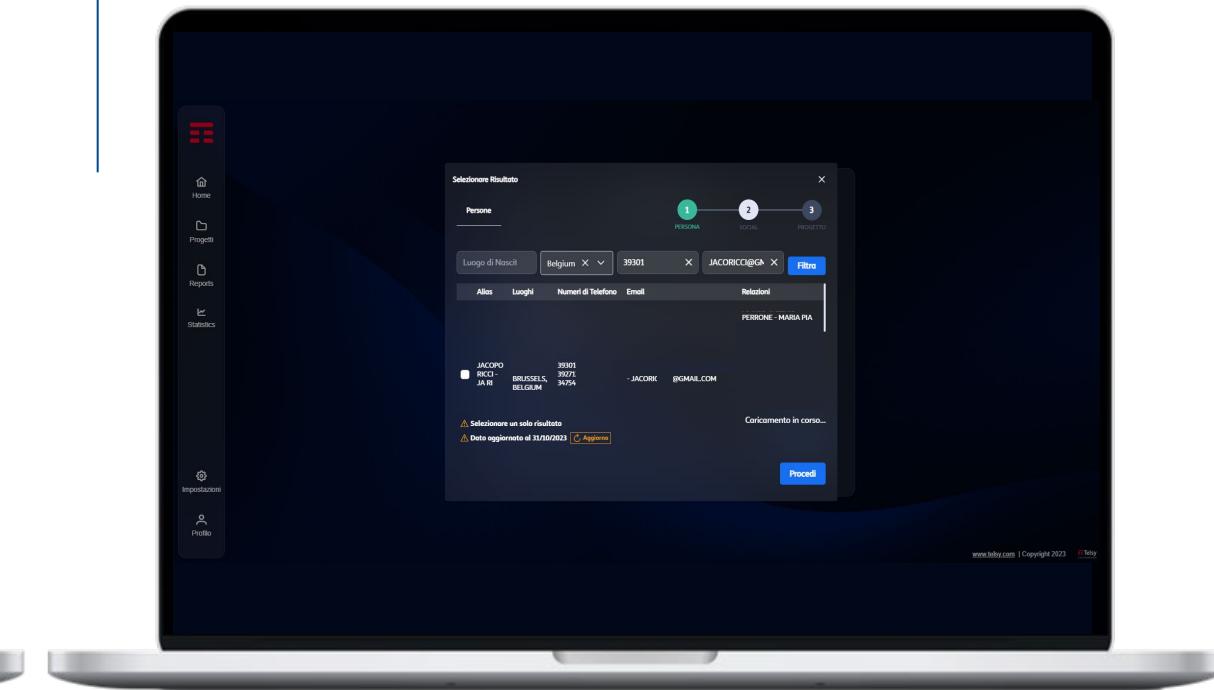
Registry Disambiguation

In order to identify a **specific target** starting exclusively from the name and surname of the natural person or the name of the legal entity in question, TelsyOlimpo collects information available in structured sources and returns it in an organised and intuitive way



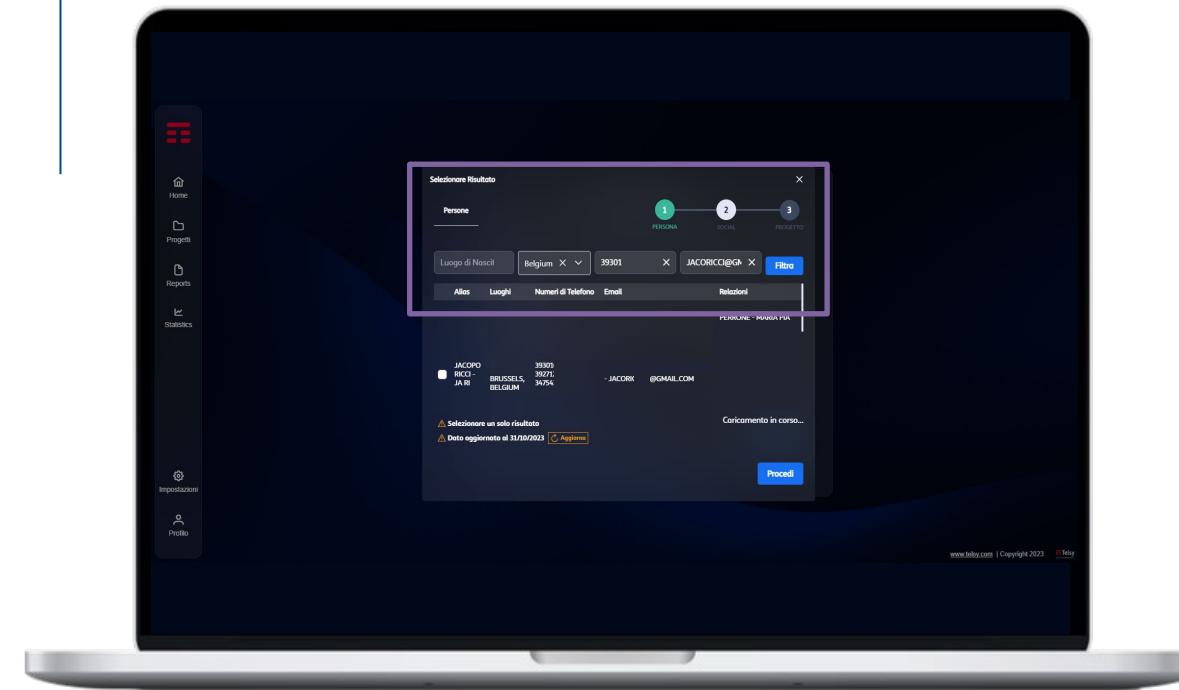
Social media disambiguation

The second disambiguation step replicates the structure of the first, but drawing on data sources referring to the natural person or legal entity presence on social media.



Specific filtering

Through the filters available to the analyst, it is therefore possible to quickly and guidedly identify the target of interest and directly access the display dashboards.

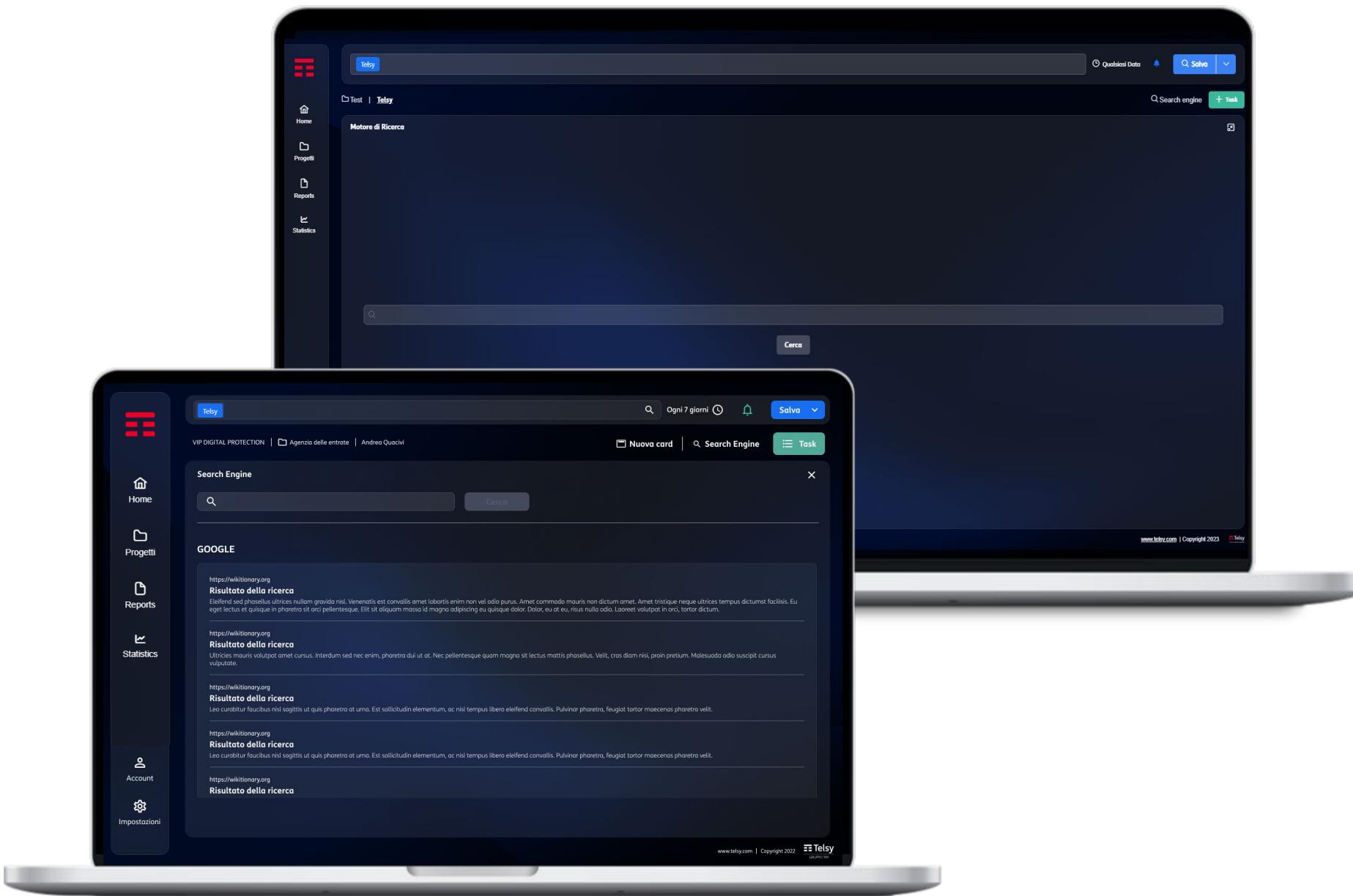
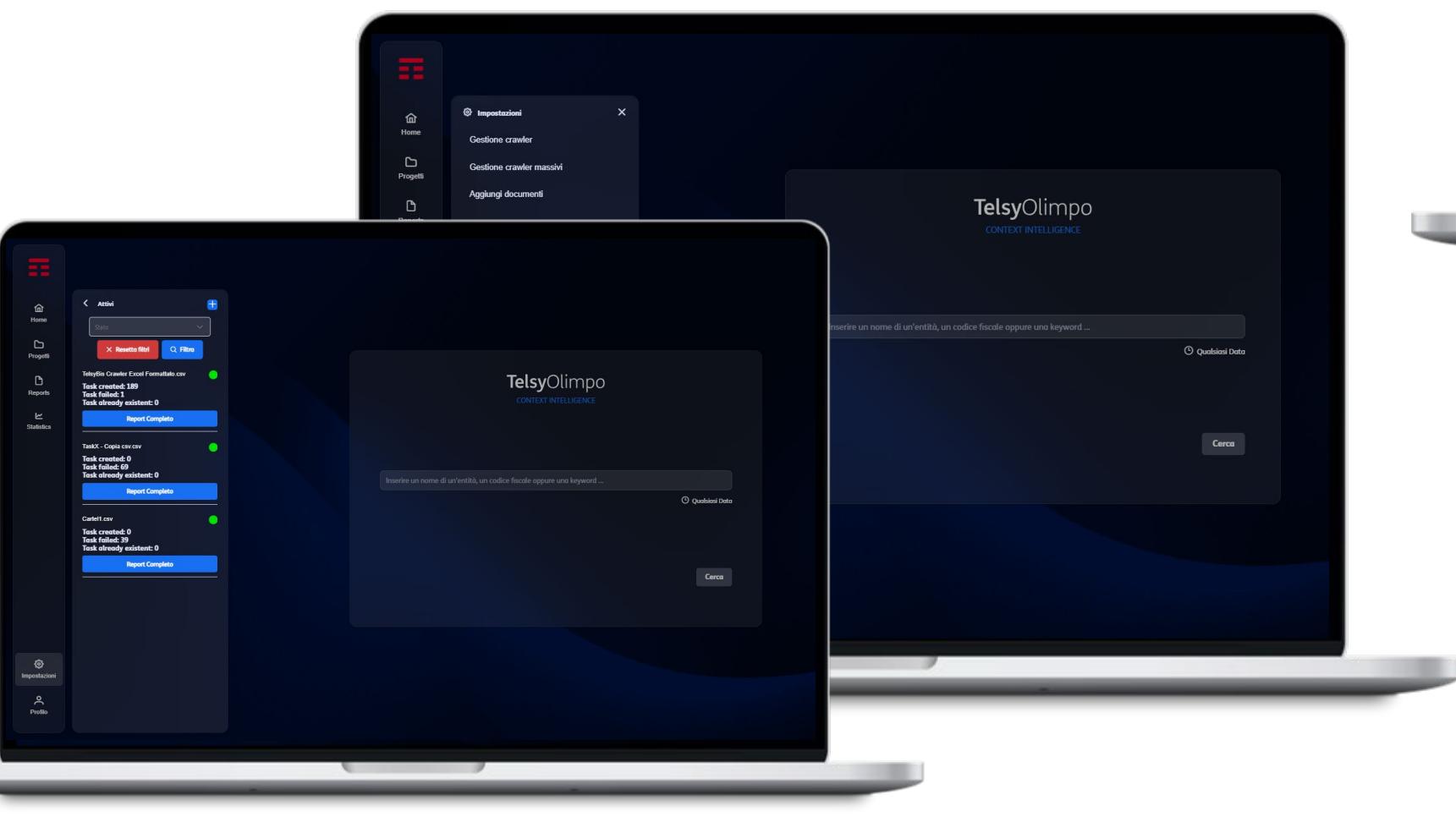


Data Gathering: OSINT Sources

Crawlers and built-in search engine

Open Source Intelligence (**OSINT**) deals with the research, collection, and analysis of information from open sources, that is, in the public domain and accessible to anyone (web, media, public records, etc...).

The ingestion of the crawlers allows to launch searches on the web thanks to the use of an integrated search engine that allows to work within the platform and to insert new sources directly from the inside of the dashboard



DuckDuckGo

Data Gathering: SOCMINT Sources

Crawlers Social

Social Media Intelligence (**SOCMINT**) deals with the collection and analysis of **information** that is produced and shared through social media.

Social Media Crawlers allow you to ingest **data from the main social media into the platform**, allowing you to stay within it to carry out searches

List of the social media crawled by Telsy OLIMPO :

- Facebook
- X (formerly known as Twitter)
- Instagram
- LinkedIn
- Telegram
- Tik Tok
- VK
- Reddit
- YouTube
- 4Chan
- Snapchat
- Threads
- Gettr
- 8Kun
- Mastodon



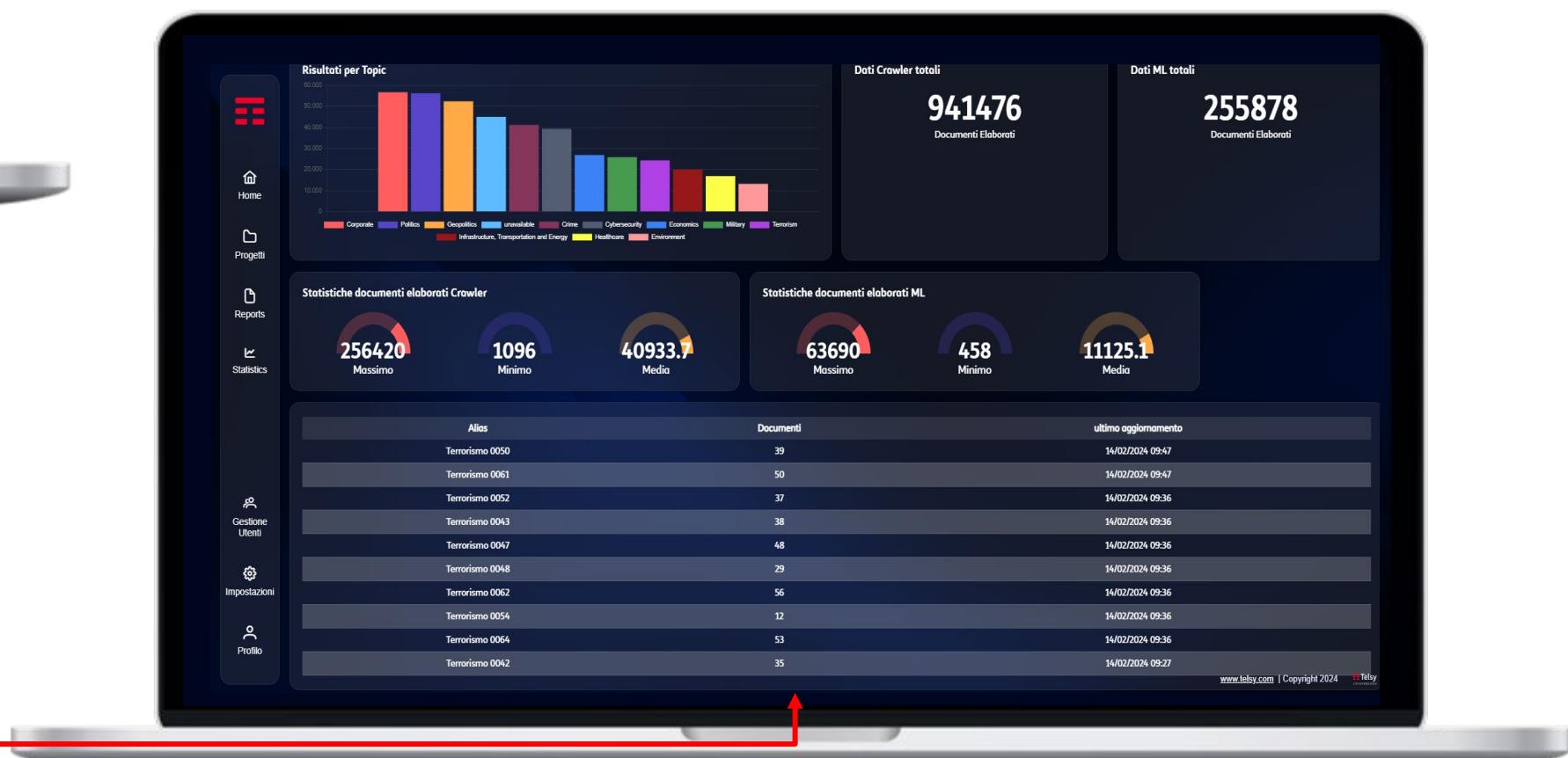
The accuracy of the analysis depends mainly on sources' reliability

TELSYOlímpo has processed, up to now, almost 1M sources, carefully selected by Telsy's intelligence analysts



In the statistics tab it is possible to check in real-time the documents processed by the platform with the possibility of filtering the data by Date, Source and Topic.

In addition, crawlers can also be displayed with a filter both on the owned tenant and on the search performed, respecting the multitenant approach



It is also possible to check the documents that have been analysed by machine learning algorithms to get a 360-degree view of the information pool contained within TELSYOlímpo.

The filters also allow you to focus attention on crawlers inserted in specific searches, through the crawler's Alias/label, to know how many documents have been downloaded from a single link and provide better granularity in the analysis of sources.

Analysis Modules

Modularity and flexibility thanks to plug-ins system

With the ability to select from more than 10 available plug-ins, the analyst can intuitively access different types of data and visualisations made available directly from the system

The screenshot displays the TelsyOlimpo platform interface. On the left, a vertical sidebar contains icons for Home, Projects, Reports, Statistics, User Management, Settings, and Account. The main area is divided into two sections: 'Sources' on the left and 'Graph' on the right.

Sources Module: This section shows search results for 'George Holland'. A search bar at the top has 'George Holland' entered. Below it, a list of 20 results is displayed, each with a thumbnail, title, and preview. The first result is 'George Holland - georgeholland' with the preview: 'George Holland said: I Just Need A Little Time Alone...To Recharge. Replies: 0, Likes: 18'.

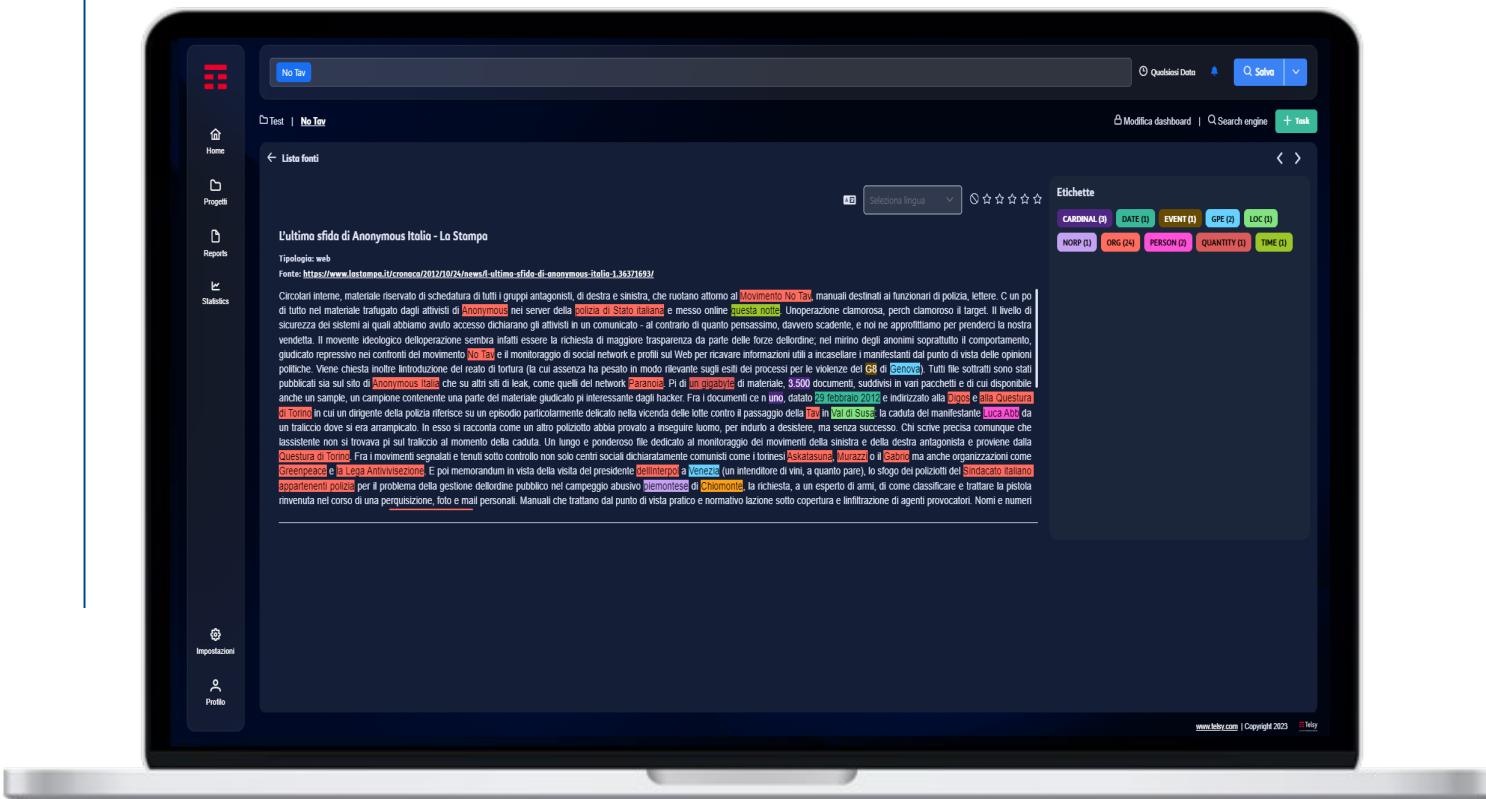
Graph Module: This section displays a network graph with various entities represented as nodes and their relationships as edges. Entities include 'CRIMSONIA', 'BERYL', 'ABC', 'ERIC SOLÉ', 'PROPHYLIA', 'CRIMSONIAN', 'GEORGE HOLLAND', 'JELENA', 'CRIMSON GOLD - CRIMSON PROFIT', and 'TIM COOK@IMBOK'. Relationships shown include 'SHARES_BORDER_WITH', 'HEAD_OF_GOVERNMENT', 'LOCATED_IN', 'PARTICIPANT', 'COUNTRY_OF_CITIZENSHIP', 'FIELD_OF_WORK', 'CREATOR', 'MEMBER_OF_POLITICAL_PARTY', and various 'CONTAINED_IN' and 'OWNED_BY' relationships. The graph interface includes a search bar, zoom controls, and a legend for entity types.

Document analysis

Plug-in for unstructured data navigation

Automated semantic analysis

Thanks to in-house **machine learning** and **natural language processing** algorithms, the platform analyses the unstructured document base in an automated way, making it immediately usable for analysts



Generate insights through link analysis

Link analysis module allows users to visualise **entities** and **links between entities** extracted from semantic engines, making it possible to easily visualize millions of connected nodes



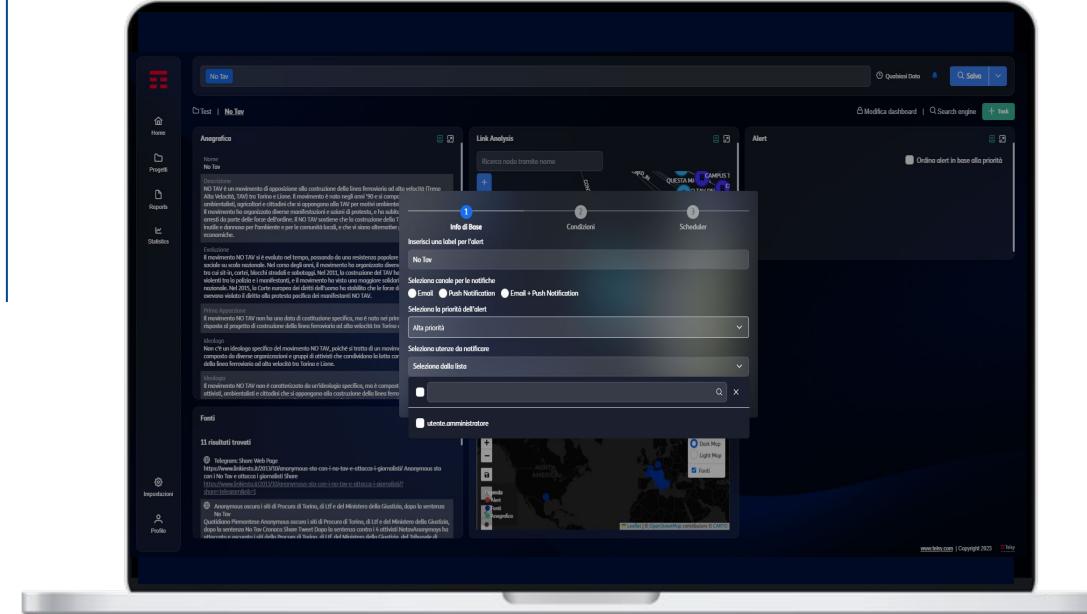
Alert System

24/7 monitoring

- Through the “Alert” plugin, TELSYOlimpo platform allows the automated monitoring of events and phenomena.
- The use of this module allows the analyst to **receive in real time** the most significant developments of his analysis case.
- Thanks to the concept of critical mass, whenever the platform recognizes a number of news items linked to a subject and/or a specific event, it proceeds to notify the user through three methods: **email, push notification, email + push notification**.

Basic Info

In the first step, users set the **alert label**, **how the message will be received** (email, push notification or email + push notification), the **type of priority** of the event and the **users authorised** to receive the notification



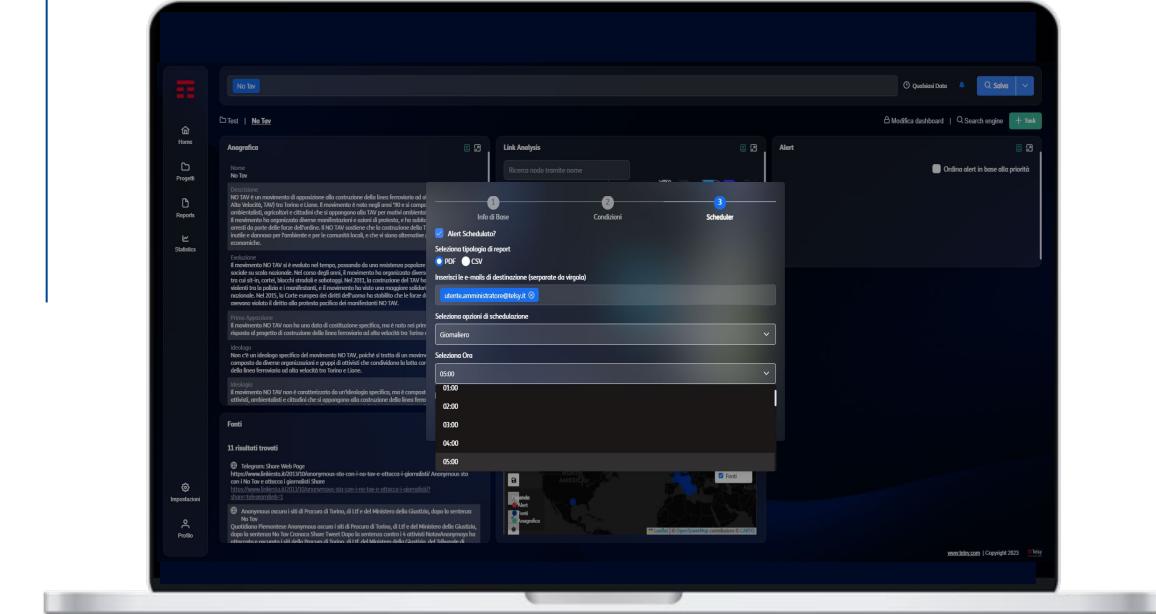
Settings

In this second step, **users set the conditions to filter the event tracking**. The two keys to be used in combination are: **Keyword** (name of the entity linked to the search term) and/or **Topic** (the topic that the source must talk about)



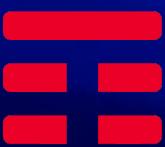
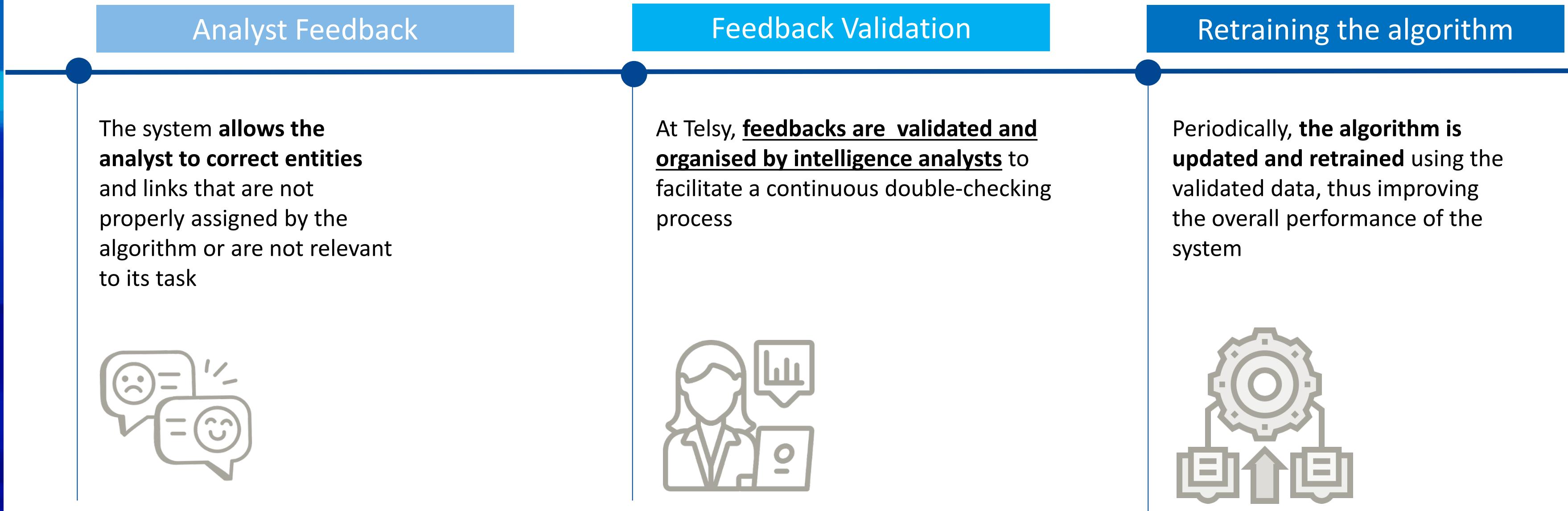
Planning

The last step is planning. At this point, **users can select the file format in which you want to receive events** (PDF or CSV), the **frequency** (daily, weekly or monthly) and the **time you prefer** to be informed.



Evolving Machine Learning

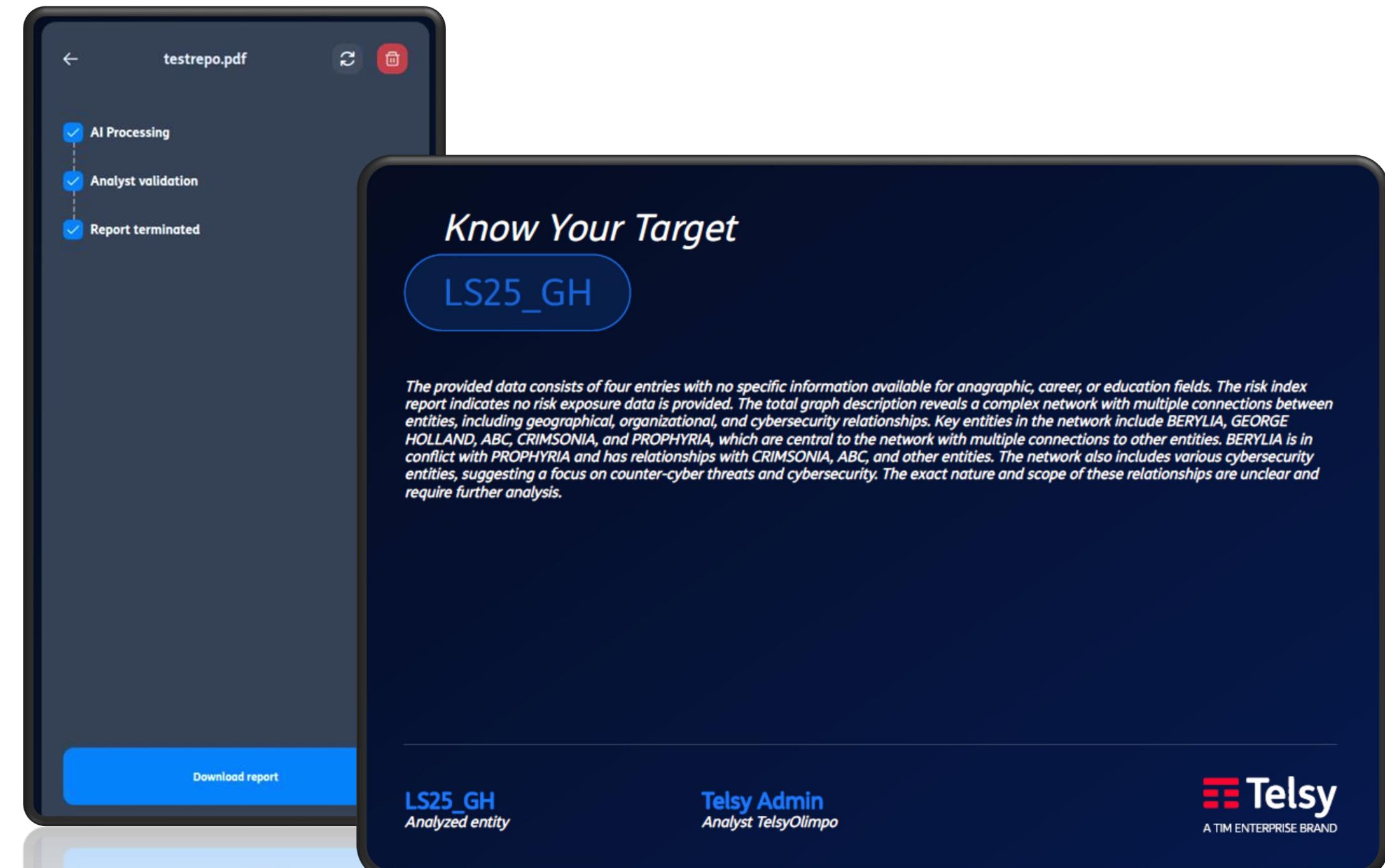
Feedback and retraining system



Automatic Report

Automatic Report Streamlining Data Analysis: Olimpo's Automatic Report Section

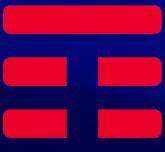
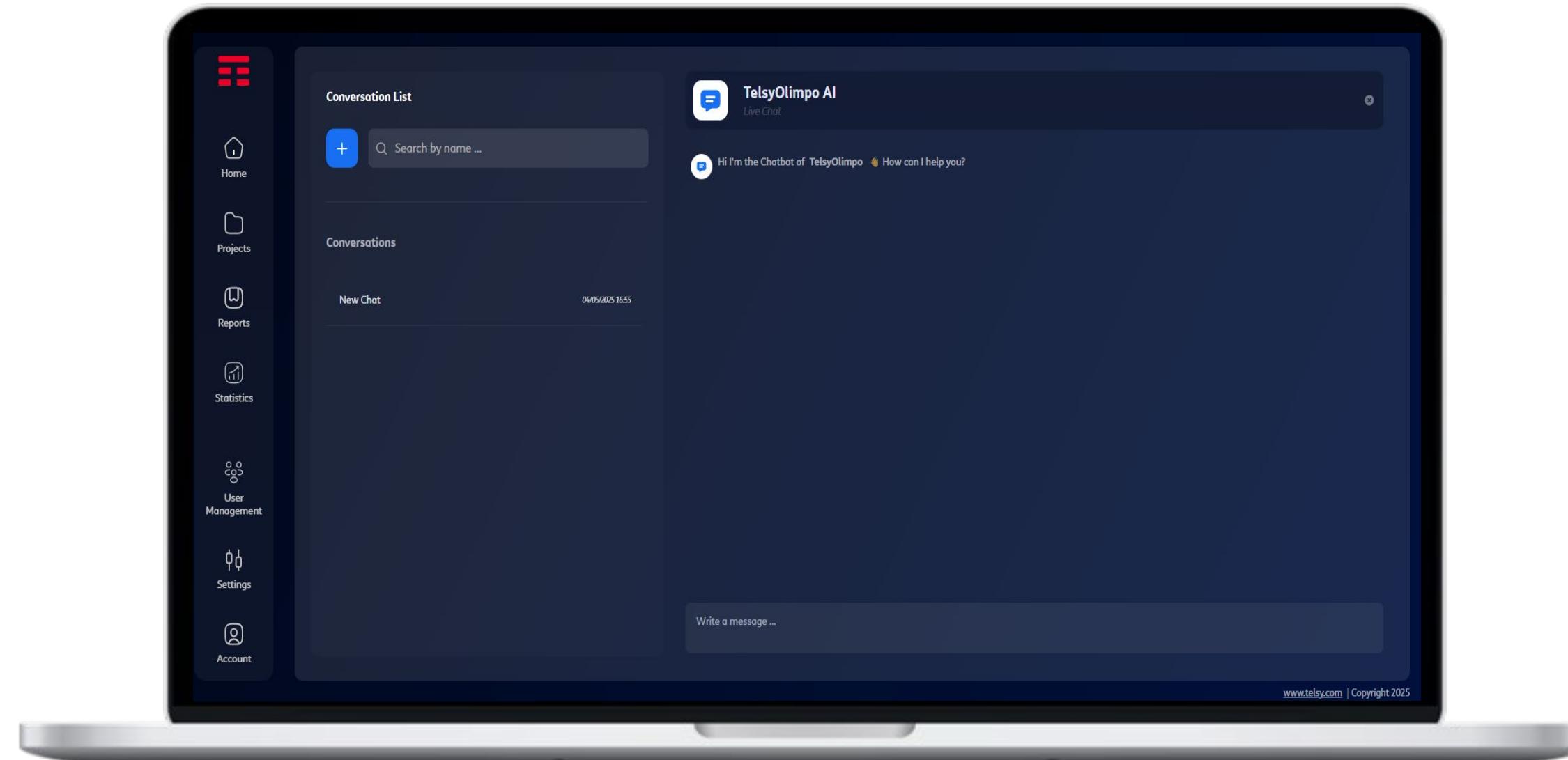
The Automatic Report Card allows analysts to **create reports** in an **automated** and **semi-automated manner** directly from the platform's interface, thus eliminating the need to leave the TelsyOlimpo environment. In addition to the dissemination mode via the interactive interface, which is already available in the basic platform, the ability to generate reports from the data and visualizations present in the dashboards will be added.



Chatbot

Enhancing information retrieval with Olimpoai: your intelligent assistant for quick and accurate summaries

OlimpoAi, the chatbot integrated into the TelsyOlimpo platform, assists users by **summarizing information quickly** and presenting it in an exportable text format. It enhances search efficiency and effectiveness by refining user queries and is integrated with the Card Graph knowledge organization. The platform uses a flexible, modular, and scalable microservices architecture. **OlimpoAi can handle complex queries**, such as identifying secondary relationships in investigations.



Thank You!

Questions ?

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