

Enhancing the role of the building sector in the energy transition

BEYOND provides a Big Data platform & a set of AI technologies that enable the realization of data-driven optimization functions valuable for energy actors.



These actors can run analytics & simulations with the data coming from smart buildings with the scope to improve buildings' energy consumption, and create new revenue streams.

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BEYOND Project — H2020



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Our team



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BEYOND

BIG DATA & AI DRIVING ENERGY



SERVICES FOR BUILDING SECTOR

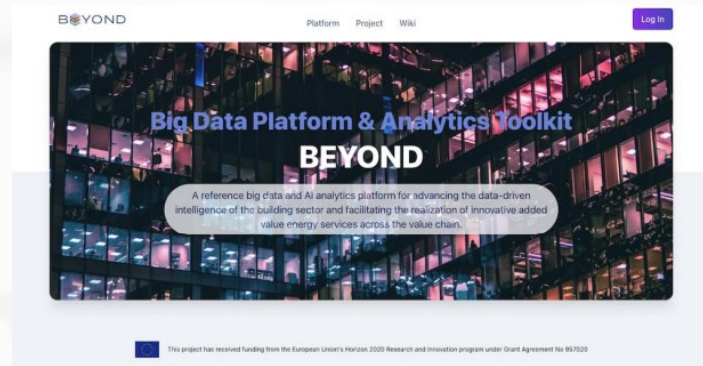
BEYOND's results

The core result of BEYOND is the **Big Data platform**, leveraging the significant potentials offered by the technological advancement of the big data technologies, towards enabling **building-energy data value chain stakeholders** (e.g., energy suppliers/retailers, city authorities, Aggregators, Building Operators/Managers, etc.).

Through the platform, they can utilize its intuitive data driven services towards: a) **improving and optimizing** their building (portfolio) operational processes, b) realizing and introducing **new novel services** into their portfolio, as an addition to the business services they already offer.

Along with the Big Data platform, an AI analytics toolkit that allows the execution of analytics towards intelligent real-time automated control of building assets developed.

BEYOND Platform



The Big Data Management Platform and the AI analytics toolkit allow the delivery of data coming from smart buildings with the scope to assist energy actors in utilizing the data to get useful insights and reap financial benefits.

The Platform provides some core functionalities for its users:

- Data Collection that allows users to upload and store the data.
- Data Exploration that enables users search for data asset of their interest.
- Data Retrieval, where users can retrieve the data assets they own.
- Data Analytics enabling users to design and execute data analytics functions.
- Data Trading, through which users can share and purchase data assets.

End-users tools

