

URBAN ENERGY PLANNING PLATFORM

Improving the efficiency of buildings in order to fight climate change.

Mastery in
Software
Engineering

FORTECH.
a GlobalLogic company





Key Facts

 Industry: Energy and Utilities

 Team Size: 8 people

 Duration: 1+ years (ongoing)

 Technologies:
React, Python

 Services:
Software Development
DevOps
Software Testing

Highlights

- The platform is capable to create market analysis for PV projects, heating network planning, and municipal energy planning.
- Complete platform that facilitates the planning of structuring a decarbonized building.



Solution

The manufacturing software team at Fortech contributed to developing an application that facilitates the planning of a decarbonized building.

The app enables rapid, data-driven, scientifically informed decisions, efficient design, visualization, and simulation of these features. Decarbonizing buildings through energy efficiency improvements and renewable energy use not only reduce carbon emissions but also generates co-benefits in health, energy affordability, and the labor market. The platform built together with Fortech assists decision-makers in these processes and can compress days or even weeks of manual work into minutes.

The platform uses a combination of data and digital twin blended with AI and generative design to create a market analysis for PV and HPs, heating network planning, and municipal energy planning.



Collaboration

The collaboration started at the beginning of 2021 when our client was looking for a software development company to shape their PoC. At the end of 2021, we enlarged the team to lay the foundation for an MVP.

Maintaining continuity, the Fortech team focused its efforts on building a tailored platform that uses public or customized topographic data, collecting energy information, and providing improved solutions for energy consumption and management in urban areas.

With the intention of enabling the team to prioritize issues and meet the client's expectations at every stage the Agile software development methodology was used throughout the entire collaboration. This facilitated the team to significantly improve the efficiency of their work process and deliver the project at its highest quality.

Client Benefits



RELIABILITY

Long-lasting collaboration with a self-sustaining core team that ensures project continuity



KNOW-HOW

A solid understanding of how the client's concept should be translated into an app that is enabling data-driven decisions





ABOUT FORTECH

Fortech is a top Romanian software development company headquartered in Cluj-Napoca. With a workforce of 1150+ people, Fortech has been repeatedly recognized by Deloitte, EY, IAOP and Forbes for its fast-growing, entrepreneurial journey.

With expertise and a strategic focus across healthcare, financial services, industrial manufacturing, professional services, automotive sectors, and more, we cover the end-to-end software life cycle development to deliver the innovation, scalability, quality and speed our clients need.

Our approach to software engineering combines strong technology and process know-how, Agile delivery methods, and a blend of code quality practices and metrics refined in almost two decades. Since 2003, over two hundred fifty clients chose Fortech as their tech partner.

For more information, visit www.fortech.ro.

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