

Risks and mitigation strategies in energy efficiency financing: A systematic literature review

How can energy efficiency investments become low-risk assets?

The Technoeconomics of Energy Systems Laboratory (TEESlab) in collaboration with the [Decision Support Systems Lab \(EPU-NTUA\)](#) published a scientific paper entitled “**Risks and mitigation strategies in energy efficiency financing: A systematic literature review**”. The paper is published in the [Elsevier's](#) “Energy Reports” journal and is based on the activities of the EU H2020 funded project, Triple-A.

The growing need for boosting energy efficiency implementation towards achieving the targets set at a European level till 2050, has made the upscaling of energy efficiency investments an imperative. This endeavor requires the analysis and evaluation of energy efficiency investments with respect to all the related technical aspects and uncertainty factors. Nonetheless, despite the existence of a critical body of literature that delves into this field, a significant gap exists as regards the transparent and rigorous study of energy efficiency investment risks from a holistic point of view and the time that they are triggered during energy efficiency projects' life cycle, while stakeholders' perspective is usually not taken into consideration.

In this context, this paper tries to identify the whole spectrum of **risks and uncertainties** that can arise in **energy efficiency financing** and to classify them with respect to the project phase that are probably to be triggered. Moreover, it aims to identify the proposed **risk mitigation strategies** to deal with the risks arisen and reduce their impact. In this effort, the study follows a systematic literature review to synthesize the respective literature, while the view of key players in energy efficiency financing is incorporated into the analysis through relevant projects' outcomes.

The results indicate that the risks in energy efficiency financing can be classified over **eight general categories**, with those referring to the regulatory framework of the country of implementation and the technical aspects of energy efficiency projects being the most referenced ones.

You can read and freely download the open access scientific publication [here](#).

Triple-A project at a glance

Triple-A project has a practical result-oriented approach, seeking to identify which

investments can foster sustainable growth, while also having an extremely strong capacity to meet their commitments, already from the first stages of investments' generation and pre-evaluation. The Triple-A scheme aims to reduce the respective time and effort required at the crucial phase of the investments conceptualization, as well as to improve efficiency of respective decision making. In particular, Triple-A seeks to make energy efficiency investments more transparent, predictable, and attractive for investors and project developers.

The Triple-A Consortium consists of academic, research and industry partners: NTUA (coordinator), ABN AMRO, IEECP, JRC Capital GmbH, GFT ITALIA srl, CREARA SL, adelphi, Piraeus Bank, TEESlab UPRC, SEVEN, VIPA, NTEF.

Stay in touch

More detailed information about Triple-A's objectives and results is available at the [project's website](#). You are invited to follow Triple-A in social media to stay informed about all related activities and interact with the project.

- LinkedIn: [Triple-A project](#)
- Twitter: [Triple-A](#)

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