



HOME RENOVATION ROADMAPS TO ADDRESS
ENERGY POVERTY IN VULNERABLE RURAL
DISTRICTS

Project Evolution: Development to Implementation



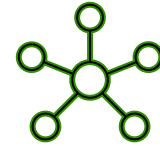
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List of Arguments



**Engaging Directly with
Project Supervisors**



**Problem solving in case of
damage**



**Strategies for Choosing
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Passport**



Building Life Cycle



Strategies for Choosing Professional Partners





Strategies for Choosing Professional Partners

Energy renovation is key to improving building efficiency, reducing energy costs and tackling energy poverty. Selecting qualified companies and professionals is crucial to ensure **satisfactory and lasting results**. In this context, the judicious choice of renovation partners is a key step.



Selection Criteria

- **Qualified Experts:** Priority in selecting experts with proven experience and expertise in energy renovation. They should have **in-depth knowledge** of sustainable technologies and energy efficient practices;
- **Specific Experience:** It is important that companies have **proven experience** in energy renovation. Similar previous projects can demonstrate their ability to address specific energy efficiency challenges;
- **Certifications and References:** Checking the certifications and references of companies and professionals is crucial. Recognised certifications in the field of sustainability or energy efficiency indicate a commitment to **high standards** and reliability in the sector;



Effective Selection Strategies

- **Detailed Research:** Conduct in-depth research and **compare** different options from companies and professionals. **Analysing** previous projects, client evaluations and online reviews to gain a clear view of skills and quality of work.
- **Portfolio Evaluation:** Examine companies' portfolios to understand their competence in energy renovation. The diversity of past projects can indicate flexibility in dealing with various challenges.
- **Interviews and surveys:** Conduct interviews and surveys to directly assess the competence and commitment of companies/professionals in energy renovation. Ask for specific details about previous projects and innovative solutions.
- **Credentials Verification:** Ask for references and **verify the validity of certifications.** This will confirm reliability and adherence to the standards required in the energy renovation sector.



Engaging Directly with Project Supervisors





Engaging Directly with Project Supervisors

In the context of energy refurbishment of buildings, **project supervisors** play a crucial role. They are responsible for ensuring the efficiency and success of the renovation process.



Engaging Directly with Project Supervisors

- **Transparency and Effective Management:** supervisors act as a bridge between the professionals involved and the building owners. Regular and direct contact with them provides a detailed picture of the project status, facilitating efficient resource management and transparent communication.
- **Informed Decisions:** Continuous communication enables building owners to make informed decisions. Direct access to information on project status allows preventive measures to be taken in case of potential problems and renovation strategies to be adapted to optimise results.



Benefits of Constant Communication

- **Operational Efficiency:** Transparent communication allows problems to be addressed quickly. Supervisors, in close contact with the professionals involved, can identify problems early and implement timely corrective solutions, thus reducing delays and additional costs.
- **Improved Project Management:** Constant communication allows project progress to be monitored and adjusted in real time. This allows renovation strategies to be adapted or changes to be made according to emerging needs during the process.
- **Optimised Results:** Continuous communication facilitates understanding of expected and desired results. This allows for a better alliance between objectives and final results, thereby optimising the energy renovation process.



Problem-solving in case of damage





Problem solving in case of damage

During the energy renovation process, various complications may arise that require thorough management to ensure the success of the project. Dealing with unforeseen damage requires a solid contingency plan, quick decision-making skills and effective communication to ensure that the energy renovation project can proceed without significant obstacles.



Managing Complications during Energy Renovation

- **Early Identification of Problems:** It is crucial to recognise potential problems or damage as early as possible. This involves closely monitoring the progress of the project and identifying early signs of potential problems.
- **Evaluation and Analysis:** Once identified, problems must be thoroughly evaluated. This involves a detailed analysis to understand the nature of the damage, its impact on the project and possible solutions.



Managing Complications during Energy Renovation

- **Resolution Planning:** Once the extent of the damage is understood, it is essential to develop a detailed plan to resolve the problem. This may involve working with technical experts, suppliers or industry professionals to identify the best resolution strategies.
- **Act with Decision:** Early action is crucial. Implement the solutions established in the resolution plan quickly and efficiently to minimise the impact on the project and ensure that renovation proceeds without significant disruption.



Emergency Procedures for Unforeseen Damage

- **Preventive Planning:** Anticipate potential risks and establish specific emergency procedures for each possible situation. This involves training the personnel involved on the procedures to follow in the event of an emergency.
- **Responsiveness and Flexibility:** It is essential to react promptly in the event of unforeseen damage. Flexibility in adapting the plan and action according to the circumstances is essential to deal with emerging situations.
- **Effective Communication:** During an emergency, quick and clear communication with all parties involved is crucial. This helps to coordinate response efforts and minimise the impact of the emergency on the renovation project.



Building Renovation Passport



Building Renovation Passport

The Building Energy Passport is a crucial tool for assessing and managing the energy efficiency of buildings. It is a key tool that provides valuable information to guide renovation decisions and improve the energy efficiency of buildings over the long term. Its usefulness extends from initial assessment to strategic planning and performance monitoring over time.



Purpose and Utility of the Energy Passport

- **Definition and Characteristics:** An energy passport is a document that collects key data on the energy efficiency of a building. This data can include information on energy consumption, equipment performance, thermal insulation and other characteristics that influence energy efficiency.
- **Assessment Tool:** The Passport provides a clear view of a building's energy performance. This helps owners, professionals and authorities to assess and compare the energy efficiency of different buildings.
- **Information for Decisions:** Provides useful information for making informed decisions regarding renovation and refurbishment. The passport helps identify weak points in the building, suggesting possible actions to improve energy efficiency.

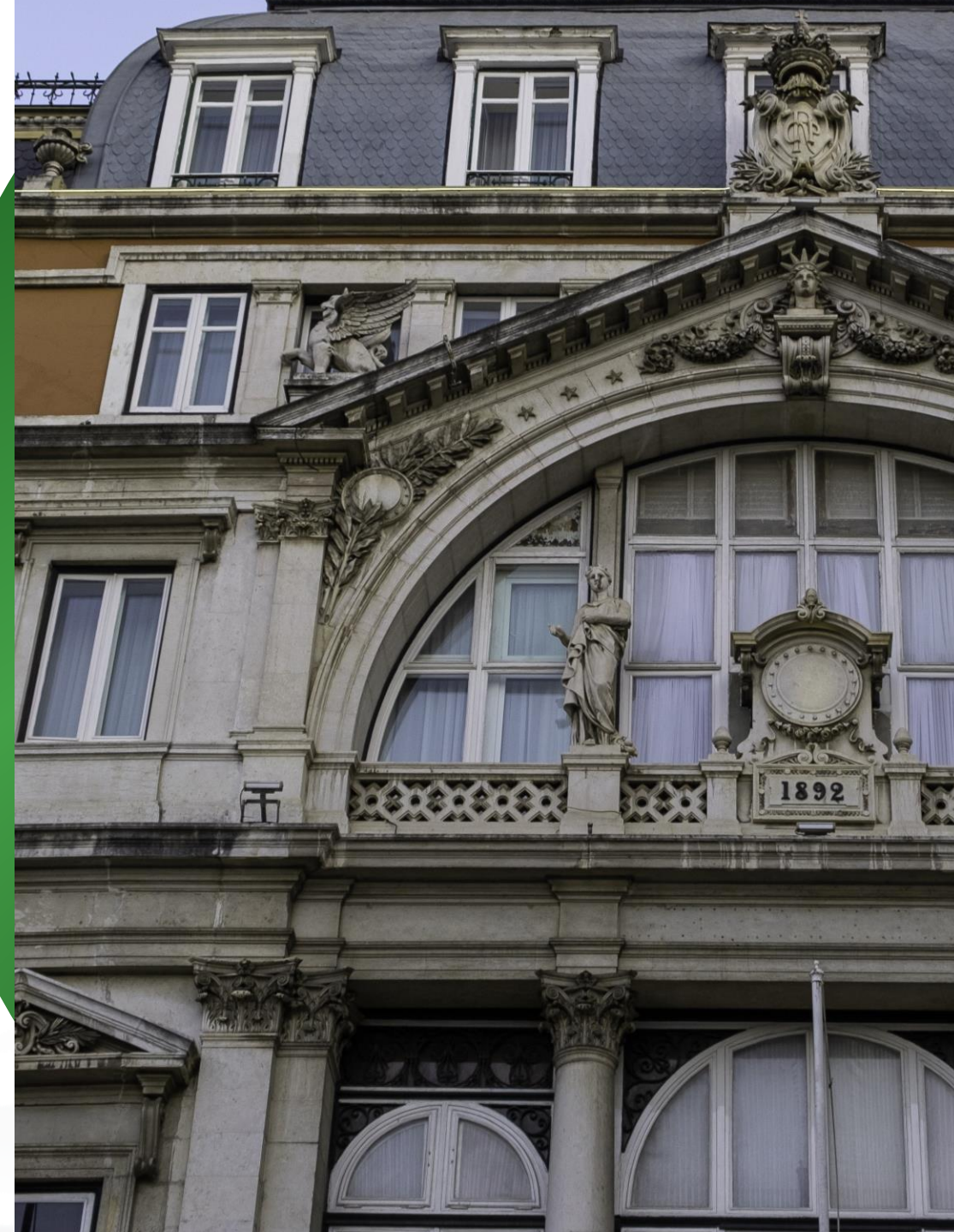


Impact of the Energy Passport

- **Optimising Renovation Decisions:** The passport provides a solid basis for making optimal decisions during the renovation process. The detailed information helps identify areas where the building can improve from an energy point of view, thus guiding renovation decisions.
- **Strategic Planning:** Helps to strategically plan renovation interventions. It identifies the areas with the greatest opportunities for energy improvement, optimising resources and maximising the effectiveness of renovation work.
- **Performance Traceability:** After renovation, the passport allows the success of measures taken to improve energy efficiency to be monitored and evaluated. This helps ensure that the solutions adopted have the desired impact over time.



Building Life Cycle





Building Life Cycle

The life cycle of buildings is a fundamental approach to understanding and addressing energy poverty, with a focus on energy efficiency and sustainability. Considering the life cycle of buildings during renovation is essential to reduce energy poverty. A sustainable approach not only optimises energy efficiency, but also helps to improve long-term living comfort and reduce the environmental impact of buildings.



Life Cycle Analysis of Buildings

- **Integral View:** The life cycle of buildings assesses all phases, from design to construction, daily use, and demolition or recycling. It considers the energy and environmental impact at each stage, identifying opportunities for efficiency improvements.
- **Resource Management:** This analysis assesses how resources, including energy, are used throughout the building's life cycle. This includes material procurement, construction, daily use (heating, cooling, lighting) and disposal at the end of life.



Life Cycle Analysis of Buildings

- **Long-Term Energy Efficiency:** Considering the life cycle of buildings during renovation, it is possible to focus on long-term solutions to improve energy efficiency. This involves the use of sustainable materials and technologies, reducing energy consumption during the operational phase of the building.
- **Reducing Energy Poverty:** A sustainable approach not only reduces energy costs in the short term, but also helps mitigate energy poverty in the long run. Solutions such as thermal insulation will improve living comfort, reducing dependence on energy resources and lowering energy bills.
- **Environmental Awareness:** Life cycle analysis promotes greater environmental awareness during the decision-making process, encouraging renovation solutions that minimise the overall environmental impact of buildings.



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Thank you for your attention

