# Sustainable Healthcare: St. Maria Hospital's Journey to a Greener Future

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| **Partner Organization** | Agenția pentru Dezvoltare Regională Nord-Est |
| **Title of the practice** | **Sustainable Healthcare: St. Maria Hospital's Journey to a Greener Future** |
| **Related to High Impact Action** | [Include one or several numbers if is applicable]<br>Action 1, 2, 4, 7 |
| **Location** | Iasi, North-East Romania |
| **Short summary of the practice:** | [160 characters]<br><br>The building underwent a comprehensive renovation, including thermal insulation, new windows, installation of shading systems, solar panels, modern HVAC, LED lighting, and elevators. Water/sewage systems were upgraded, the facade and sidewalks repaired, and seismic resistance improved. |
| **Detailed information on the practice:** | [1500 characters]<br><br>*Please provide information on the practice by answering:*<br>• *What is the problem addressed and the context which triggered the introduction of the practice?*<br>• *How does the practice reach its objectives and how it is implemented?*<br>• *Who are the main stakeholders and beneficiaries of the practice?*<br><br>The St. Maria Emergency Hospital renovation addressed high energy costs and outdated infrastructure healthcare especially for children care.<br>This project was a must and have been motivated by cost reduction, environmental concerns, improved patient care and sustainability. It tackled a deteriorating building envelope, inefficient systems, and the need for better services. The objectives that were met through comprehensive upgrades: facade insulation, new windows, and shading; modern HVAC with solar panels; LED lighting and motion sensors; elevator modernization; an integrated building management system and infrastructure improvements (roof, facade, sidewalks, water/sewage, seismic resistance). Implementation involved phased construction and installations, with grant funding supplemented by hospital funds.<br>Beneficiaries include patients (50k) that benefits by improved comfort and care, staff (better working environment), the hospital itself (lower costs, modern facility), Iași County Council (positive community impact), and residents of Iași County and the North-East Region (access to improved, sustainable healthcare). |
| **Timescale (start/end date):** | May 2019 -May 2023 |

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| **Resources needed:** | [300 characters]<br>*Please specify the number of funding/financial resources used and/or the human resources required to set up and to run the practice.*<br><br>The project received €18M+ in EU and national funding via the ROP 2014-2020 through a call focusing on energy efficiency and renewable energy in public buildings. The total project value was over €24M, with the majority covered by grants for eligible components, while other elements were funded by the hospital. |
| **Evidence of success (results achieved):** | [500 characters]<br>*Why is this practice considered good? Please provide factual evidence that demonstrates its success or failure (e.g., measurable outputs/results).*<br><br>This practice is a comprehensive approach to building modernization, focusing on energy efficiency, improved infrastructure, and enhanced patient care. Evidence of its success includes: significant reduction in energy consumption (316.15 kWh/$m^2$/year) and GHG, improved thermal comfort due to facade insulation and new windows, and a modernized facility with updated HVAC, lighting, and BMS with increased the building's seismic resistance and improved accessibility. |
| **Potential for learning or transfer:** | 1000 characters]<br>*Please explain why you consider this practice (or some aspects of this practice) as being potentially interesting for other regions to learn from. This can be done e.g., through information on key success factors for a transfer or on, factors that can hamper a transfer. Information on transfer(s) that has already taken place can also be provided (if possible, specify the country, the region, and organisation to which the practice was transferred)*<br><br>The St. Maria Hospital rehabilitation valuable lessons due to its integrated approach to sustainable building modernization in a healthcare facility. The key success factors for transferability include:<br><br>**Comprehensive Strategy**: addressing multiple facets of building performance can learn from this integrated strategy.<br>**Focus on Energy Efficiency**: The emphasis on measurable energy reductions and GHG prevention provides a compelling case for similar investments in other regions facing high energy costs and environmental concerns.<br>**Adaptability**: While the specifics of the project (e.g. size, climate) may vary across regions, the core principles (insulation, efficiency, digital) are adaptable. Other regions can tailor the solutions to their specific contexts. |

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| | **Collaborative governance**: The project demonstrates the role of local and regional authorities in driving sustainable development through healthcare infrastructure investments. This leadership can inspire and encourage similar projects in other regions. |
| **Please include any document that you consider will contribute to the dissemination and systematization of the practice (incl. documents, images, pictures).** | Before and after 1 link 2 link<br>Project website<br>Present situation link |


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