

KICK-OFF MEETING OF THE ENERGY EFFICIENT BUILDING 2023

OBJECTIVES

Discussing challenges and opportunities in Energy Efficiency Operations in commercial buildings in Vietnam.

Introducing the project Energy Efficiency Buildings 2023 – Certification Training & Energy Efficiency Consulting Non-Residential Buildings.

Expanding cooperation in the operation of buildings Energy efficiency.

BACKGROUND

The energy consumption demand of buildings is forecast to become larger and larger, posing the challenge of changing quickly and in the right direction with the Zero Emissions Scenario by 2050. However, most of the buildings in Vietnam have yet to mention the integration of energy efficiency solutions from the early stages of construction. This situation causes heat loss and large power consumption during the operation and use of the works.

With the problem of cost and energy optimization, the capacity of project operation managers should be promoted and brought to a vital balance, promoting the balance of business interests simultaneously convenience for users. Kick-off Meeting of the Energy Efficient Building 2023 & Networking Lunch was held to create a connecting space between investors, project asset management, technical managers, and engineers operators and discuss the construction operations' challenges, strengthening the training framework for the program, meeting the needs of professional practice.



KEYFINDINGS

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1. Right operation - Right handling - Right compliance by the Technical Department can bring immediate economic benefits and no investment cost in the face of escalating energy prices, increased labor costs, and selling prices remaining unchanged.
2. Challenges in the operation of technical managers: Optimal control of engineering and automation systems with specific energy needs at the facility and innovation to apply solutions energy efficiency measures, management ability, and technical coordination are not met because there is no formal training for managers and chief engineers in Vietnam.
3. Owners and managers need to capture the benefits and opportunities and understand energy efficiency optimizing energy costs.

RECOMMENDATIONS

1. Improve technical capacity through intensive training, with high applicability to building technical management, bringing economic efficiency to investors
2. The technical staff should continuously cultivate flexible operation and technical management knowledge. Furthermore, it is necessary to have a platform to share experiences between the previous generation of expert engineers and the younger generation of engineers, create motivation and build the position of technicians in Vietnam.
3. Investors, managers, and engineers should be recognized for their roles and promote mutual understanding. Its are essential in identifying benefits and evaluating energy efficiency in cost optimization projects free power. Therefore, it is necessary to have training specifically, which is designed appropriately to ensure the technical, financial, and management background of investors and managers.

HIGHLIGHTED QUOTES



Ms. Tran Thi Thu Phuong - Founder of Vietnam Energy Efficiency Network

"In the current escalating energy prices, to help investors optimize their spending, enhancing the facilities' quality and minimizing the environmental impact, they need to consider energy efficiency as a top priority. In this, technical managers play an "executive" role and must continuously strengthen professional capacity."



Mr. Nguyen Thanh Trung - Representative of Program Companion Partner CBRE Vietnam

"The most difficult thing is the mindset of the operator. Currently, with technology, the operator can control automation, but the control of the operation requires an engineer's "miracle" that the entire engineering team needs to understand."



Mr. Pham Huy Tuan - Representative of Program Companion Partner Chief Engineers Association CEA

"The biggest challenge today is the capacity of technical transport operators. In fact, we don't have to be formal training for Chief Engineers in Vietnam. Besides, the quality of the shortened training programs currently does not meet the specific technical requirements and only has for the "concept" level."



Ms. Pham Thanh Loan - Project Management Director at CBRE Vietnam

"The investor's knowledge of the benefits and potential of Energy Efficiency needs to be further enhanced. A practical program is needed to help the investor have the opportunity to cut operating costs and invest in improving the quality of real estate".



Mr. Pham Huu Kien - Technical Supervisor - Operation Department of Aeon Delight Vietnam Co., Ltd

"Cooling demand in mixed factories requires flexible air conditioning system operation while ensuring diversified comfort of many different customers; moreover, it still has to provide optimal energy. Chiller accounts for 35% of energy costs; according to the instructions for setting energy-saving temperatures, it cannot meet the different cooling needs of customers. So, we have to find a way to manage a fixed but flexible chain of works, as well as the action of the output of IOT for the air conditioning system."



Mr. Nguyen Van Chinh - Project Specialist

"The investor also needs to understand the role of the chief engineer when the current salary level in the market does not reflect this. To the chief engineer, the technical basis is essential, thereby building core professional values to affirm the professional position in the eyes of investors."



Mr. Tran Quy Nang - Project Specialist

"Energy efficiency comes from changing the daily operation at the facility. The project's training program will focus on the experience of optimal operation, supporting investors and engineers, helping businesses cut costs without investment costs, and helping investors understand the benefits of implementing Energy Efficiency. Lastly, the chief engineer will implement the operational capabilities technique into energy efficiency management."