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Time range: 09⁰⁰-16⁵⁵

REEHUB PLUS / 1ST CROSS BORDER EVENT
“SMART CITY OPEN INNOVATION FORUM”

ORGANIZED BY:



BARLETI INSTITUTE FOR
RESEARCH AND DEVELOPMENT

SUPPORTED BY:



UNIVERSITETI
BARLETI

Speaker:

Denisa Delija

Expert in Financial Evaluation of Green
Projects



Relation:

Challenges of businesses for implementing
smart solutions in buildings.

CURRENT SITUATION IN ALBANIA

- Investment in EE tools to reduce energy spending
 - Currently high demand in investment due to new regulation for EE Buildings
 - Lack of local engineering expertise on implementation and following up the process on performance of machineries for factories and photovoltaic plants.
- Long-run investment on other non-energy product and services (decrease of energy bills)
- Job creation on applying these standards on EE tools
 - **NEEDED:** Companies need to ease the process for these kind of investments.



Efficient Home and Buildings

TOP 10 TIPS FOR AN ENERGY EFFICIENT HOME



- Buildings represent 40% of the European Union's end energy consumption. The Smart Building is the main route through which you can achieve the objectives of the climate/energy package and reduce your energy bills.
- Investment in EE tools to reduce energy spending
 - Currently high demand in investment due to new regulation for EE Buildings
 - Lack of local engineering expertise on implementation and following up the process on performance of machineries for factories and photovoltaic plants.
- Long-run investment on other non-energy product and services (decrease of energy bills)

Construction Companies Challenges

- Increase the cost of investment by implementing EE standards
- Increase of operational cost from importing EU employees to install or train the staff to apply these new technologies
- Job creation on applying these standards on EE tools
- This investment will create a long run benefit for all householders and macroeconomic environment
- **NEEDED: Support from Government /EU projects to cover these additional operational expenses**



Efficient Transportation

- Transport was responsible for 28% of global final energy consumption in 2016
- Most of our transport is not electrical. Currently just a few of public busses and two car services have provided electric cars in their services such as Tirana Public Transportation, Green Taxi and Clean Taxi.
- The demand for such vehicles have made the decision making for businesses a challenging process financially and operationally. Still Leasing rates are high and ROI still low considering the proper price of purchase and maintenance. Need a proper support from Government and EU projects for partial contribution.



Challenges of businesses for implementing EE

- Return on smart investment (ROI) sometimes is less than loan interest paid. In Albania Unsecured Business Loans goes from 8-28% depend on the Bank.
- Lack of expertise of businesses which sell such products or company staff which have to use them properly. This has created another operational cost.
- Lack of public awareness relate to properly evaluation such investment in new homes or hotels. 80% of new home buyers do not evaluate at all EE or smart investment in new building which create market GAP for the investor.



Thank you for your attention

Denisa Delija