



Ministry of Housing, Utilities
& Urban Communities



Housing & Building National Research Center
International Conference

Future Vision & Challenges for Urban Development

Green Smart Sustainable Building between Present & Future

Cairo – Egypt, December 2024



Housing & Building National
Research Center

Template NO. (1)

Workshop Title: Innovation importance of TICO for National Development

ABSTRACT:

Future foresight represents an introduction to highly focused scientific planning and thus is a foresight specific to science and scientists, so its implications are specific to the essential composition of man, which is knowledge in terms of reaching and applying it. It is clear that technology must be lined to a group of other sciences that contribute to increasing the capacity of society, and thus technology transfer work becomes in dire need of local expertise to adapt it, develop it, and make it a local technology. Technology support and transfer offices are a strategic catalyst that enhances economic development and contributes to changing the world around us. Their advantages include linking Science with Industry, creating more job opportunities and harnessing technology to raise and improve the standard of living as a mechanism for new and joint projects and technological entrepreneurship. So, Innovation Is one of the most important tools for development and for keep national security safe. It is the forecast future through the science and technology. TICO in HBRC is established as a contract with Academy of Science and Technology, TICO in HBRC gave attention to the national problems and encourage the researches and applications for giving solutions. TICO help researchers and outside inventors in preparing lab samples and prototypes, tests, evaluation meetings, workshops for marketing, sharing in exhibitions, writing patents. Publishing calls and grants, training courses and in getting national and international prizes. The most innovations are concerned on National problems such as: water problem , building protection from environments risks , local industry of eco-environmental building materials .Solutions that given are concerning on using recycle wastes, saving consumed water, treatment of waste water, reduce energy consumption , reducing cost . TICO projects given half – industry prototypes for 2 innovations, 4 production samples and establish company for recycling wastes with investor. These applied researches and innovation are climb steps for developing the research work, passing towards green and sustainable goals and realizing the national call of research application in Industry.

Objectives:

- 1- Encourage researches towards application.
- 2- Presents good local application for wide around country.
- 3- Search for finical for projects from industry sector or from investors.

Main Outlines:

- 1- Explanation how the innovation could help the statues and the national income of Egypt.
- 2- Spot points for different TICO innovation projects.



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3- Get useful for discussion for getting opportunities and improvements.

Suggested Speakers with related presentation:

- 1- Prof. Dr. Mona Ahmed Mohamed Fanny
- 2- Dr. Mostafa Abd elrahman
- 3- Asso. Prof. Mahmoud Abd Elrazk

Expected Attendees:

- 1- Researchers
- 2- Industry sectors: Industrial Building Chamber, Industrial Chemical chamber
- 3- Stockholder
- 4- Governmental members

Workshop title

Innovation importance of TICO for National Development

Organizer Name

Prof. Mona Ahmed Mohamed Fanny

Affiliation

Manger of TICO in HBRC