



Ministry of Trade and Industry



Technology & Innovation Centers
مراكز التكنولوجيا والابتكار

“Strategies to serve technology needs in the Egyptian Industry”

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?Why this network

Egypt has realized that boosting the growth and competitiveness of the industrial and export sectors is unavoidably to be associated with technological development, enhanced innovation capacity, continuous product improvement and a high and multi-skill base of human resources



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- To transform the Industrial and Export sectors to become knowledge based, high value added, sustainable & competitive sectors.

Mission

To work as a catalyst, to:

- Meet the Technological needs of the industry and export sectors to achieve a sustainable competitive advantage.
- Bridge the gap between the industry needs in technology, emerging market demand and the national and international technology base .
- Stimulate , transfer and diffuse new technologies and innovations



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The new nature of innovation

- Knowledge is sourced globally
- Consumer behavior is critical to new innovations
- Innovation is a result of partnerships and networks and seldom a one player activity
- Entrepreneurship is a key driver of innovation and growth
- The innovation process as a vital means for economic growth is shifting away from traditional models focused largely on R&D.
- These new trends will change the innovation landscape as we know it.
- This shifting landscape demands effective new mechanisms for co – ordination between private actions and public polices.
- It also calls for redefinition of the new role for governments and other actors. A new role in envisaged based on the formation of new framework conditions



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(The Technology and Innovation Centers (TIC

A network of specialized business support and technology transfer centers to provide the Egyptian Industrial companies with a platform of services related to Technology Transfer, Innovation, and Know-how so as to increase their competitiveness and foster their internationalization.



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Current Status

- Ten sector-oriented technology transfer centers:
 - Plastics Technology Center
 - Marble & Quarries Technology Center
 - Food Industries Technology Center
 - Textiles Technology Center
 - Engineering Industries Technology Center
 - Furniture Technology Center
 - Finished Leather Products Technology Center
 - Leather Tanning Technology Center
 - Fashion and Design Center
 - Jewelry Technology Center



Current Status (cont.)

- Two horizontal centers for the transfer of cross-cutting technologies, having broad applications in the industrial sector:
 - Cleaner Production Center,
 - Total Productivity and Quality Enhancement Center

- Under Establishment:
 - Ceramics Technology Center
 - Pharmaceuticals & Cosmetics Technology Center
 - Printing Technology Center
 - Energy Efficiency & Renewable Energy



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Selection Criteria for Sectors:

- Potential for Growth
- Potential for Exports
- Apparent Demand
- Interest of Stake holders
- Emerging Technologies



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Services

➤ Technology and Know-how transfer

➤ Technical assistance

Ex: Information, product design, production optimization, supply chain management, and benchmarking.

➤ Quality and Quality Management

Ex: Quality audits, testing and certification.

➤ Advanced Human Resources Development

Ex: Training designers and senior engineers.

➤ Environment and Social Management

Conformity assessment, eco efficiency, recycling, waste management



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Geographical Coverage

The Technology and Innovation Centers' services cover geographically the needs of companies in the industrial sectors in Egypt's territory: in Cairo, Alexandria, Damietta, Sharkeya, Red Sea, and El Menya.





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Strategy & Approach

- Demand Driven Services
 - Demand Surveys
 - Technology Audit
- International Networking
 - Twinning with International partners
 - Technology Transfer Networks
- Charged Services
 - Eventually Financially Sustainable



Management

- PPP Model, Full Involvement of the Private Enterprise Sector
- Steering Committees
 - Composition:
 - Ministry of Trade and Industry Representatives
 - Technology Center Director and Staff
 - Representatives of the Federation of Egyptian Industries.
 - Representatives of the Private Enterprise Sector.
 - Objectives:
 - Setting policies and strategies for the center
 - Revising the work plan and the budget



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Monitoring and Evaluation

➤ Key Performance Indicators

- Number of companies receiving services
- Number of product quality tests
- Number of trainees
- Number of contracts for the transfer of technology and know-how
- Degree of financial sustainability

➤ Monthly Performance Evaluation

Key Results in a nutshell

- During the period July 2006 – June 2008, the following results were achieved:
 - 4663 companies receiving services
 - 5237 product quality tests carried out
 - 15604 trainees
 - 418 contracts established for the transfer of technology or know-how
 - Degree of Financial sustainability :
Overall : 50 % Range : 20 to 100 %

Future Targets

➤ Targets for the year 2009 include:

- 8000 companies receiving services
- 8000 product quality tests carried out
- 20000 trainees
- 1500 contracts established for the transfer of technology or know-how
- Degree of Financial sustainability :
Overall : 70 %

The TIC' foreseen role in the “European-Egyptian Innovation and Information Network”

- Assisting in the process of matchmaking and the establishment of cooperation agreements between European and Egyptian SMEs.
- Helping in introducing European quality standards and directives and therefore improving access to markets.
- Enhancing the market for business development services, vocational training and quality infrastructure among European and Egyptian SMEs.
- Enhancing business-to-business relations
- Promoting integration and complementarities between European and Egyptian SMEs.



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Thank You
Questions?