



Ministry of Trade and Industry  
Technology Development Sector



Egypt Technology Transfer and Innovation Centers

ETTIC



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## **ETTIC Mission**   **ETTIC Vision**

**Long-run growth is due to technological innovation . Therefore, the vision of Egypt Technology Transfer and Innovation Centers is to transform the Egyptian Industry and Export sectors to become knowledge based, high value added, sustainable and competitive sectors.**

**Work as a catalyst, to**

- Meet the technological needs of the Egyptian industry and export sectors to become sustainable and competitive.**
- Bridge the gap between Egypt industrial needs in technology, emerging market demands and the national and international technology base.**
- Stimulate, transfer and diffuse new technologies and innovations.**

## **Main Services**

### **Quality and Quality Management**

**e.g. Testing and Certification, Quality Audit**

### **Advanced Human Resources Development**

**e.g. Advanced Training, Designers**

### **Technical Assistance**

**e.g. Information, Product Design, Production Optimization, Supply Chain Management, Benchmarking**

### **Technology Transfer**

**Patents, New Technologies, New materials, License**

### **Environment and Social Management**

**Compliance Assistance, Eco efficiency, Recycling , Waste Management R&D and Innovation Contracted R&D, Innovation**

# **Strategy and Approach**

**Demand driven products and services**  
**Market development approach**  
**Charged services**  
**Cost Recovery center**  
**Outsourcing**  
**Private/public partnership**  
**International networking**  
**Eventually financially sustainable**

# Current Status of ETTIC

## Sectoral Centers:

1. Fashion and Design Center
2. Marble and Quarries Technology Center
3. Plastic Technology Center
4. Food Technology Center
5. Leather Technology Center
6. Leather Tanning Technology Center
7. Furniture Technology Center
8. Jewellery Technology Center
9. Textile and Clothing Business Center
10. Engineering Industries Technology Center

## Horizontal Centers:

1. Productivity and Quality Improvement Center
2. Egypt National Cleaner Production Center

## **ETTIC as Technological Incubators**

**ETTIC offers entrepreneurs and business start-ups the opportunity to provide them with the technological support, technical assistance, advice and mentoring necessary to initiate and run their own projects successfully. ETTIC will:**

- Assess the business plan of entrepreneurs and provide them with the appropriate advice on how to manage their projects efficiently.**
- Improve entrepreneurs understanding of the markets targeted by their projects through providing them with sufficient information on those markets.**
- Enhance the technical skills of potential entrepreneurs and hence increase their efficiency, by providing them with the necessary training courses.**
- Provide entrepreneurs with complementary project management courses to strengthen their management capabilities to help them manage their projects successfully.**

- **Offer entrepreneurs the opportunity to setup their projects within ETTIC premises and use the centers facilities including up-to-date machinery and equipment that provide the entrepreneurs with the opportunity for high quality and cost effective production**
- **Provide entrepreneurs with coaching and advice to help elevate their level of efficiency in performing their tasks.**
- **Use their marketing channels to promote the incubated projects and provide these projects with the necessary exposure.**
- **Continue to provide entrepreneurs with the required support and advice when they decide to manage their business separately (become an independent entity).**





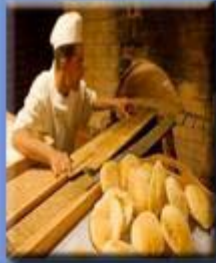
## *Fashion and Design Center*

Fashion and Design Center (FDC) is an Egyptian Italian center that aims at the development and modernization of the ready-made garment industry in Egypt by means of introducing well trained Egyptian designers and pattern makers to Egypt textile and ready-made garment industry in order to increase their exports. FDC provides new professional courses and diplomas in the following topics:

- Fashion Stylist
- Fashion Design
- Pattern Making
- Production Management
- CAD
- System Fashion Design
- Draping Technique



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## *Food Technology Center*

**Food Technology Center (FTC) is independent information and service center managed by a board of directors combining representatives from food processing companies and selected specialists in the food-manufacturing field. FTC is established to meet key economic objectives in the Egyptian food chain development by providing the following services:**

- Technical Training
- Sensory Analysis
- Oils Analysis
- Food Processing Improvement and Reengineering
- Product Development
- Supply Chain Management
- Increase Technological Components of:
  - Olive Industry
  - Balady Bread
  - Sugarcane Fancy Molasses
  - Herbs and Spices

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## *Leather Technology Center*

Leather Technology Center (LTC) main goal is to market the Egyptian leather products and components locally and abroad. LTC works on transferring technology to leather industry in Egypt to improve products quality and increase competitiveness by providing:

- \* Design and Fashion Unit
- \* Inspection and Quality Unit
- \* Milling Machine for producing prototype samples
- \* Accredited physical and chemical laboratory
- \* Training courses on all production steps
- \* Technical consultations

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## *Leather Tanning Technology Center*

Leather tanning Technology Center (LTTC) is established in Robeiki as an educational, technological and training center that aims to increase productivity, and improve products of the Egyptian Leather tanning sector.

- LTTC is providing the following :
- A Laboratory for Environmental Analysis.
- A Pilot Tanning Drum.
- A Mobile Physical-Chemical Wastewater Treatment Pilot Plant.
- Training Programs.
- Testing & Certification.
- Technical assistance and consultations.
- Technology transfer

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## *Jewellery Technology Center*

**Jewellery Technology Center (JTC) is an educational, technological and training center that, in cooperation with local and international highly qualified experts, assists Egypt jewellery industry to develop and compete in the global market. JTC provides technical consultations, testing and certification as well as training courses in the following fields:**

- Jewellery Design
- Jewellery Making
- Wax carving
- Stone Setting
- CAD/ CAM
- Casting
- Enameling
- Polishing
- Gemology
- Electroplating



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## *Marble and Quarries Technology Center*

**Marble and Quarries Technology Center (MQTC) is a poly functional service provider that acts as the locomotive for developing the stone and quarries sectors in Egypt. Through active networking with international expertise, MQTC provides the following services:**

- \* Training and job offering (Quarry School / Flooring School)
- \* Technology transfer for quarry and stone treatment
- \* Consultations and technical support
- \* Fully equipped laboratory for testing and accreditation
- \* Research and development

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مركز تكنولوجيا الأثاث

Furniture Technology Center

## *Furniture Technology Center*

Furniture Technology Center (FTC) works as a catalyst to meet the technological needs of wood and furniture industries in Egypt and help them to become more competitive and sustainable in the global markets by providing the following services:

- Advanced training courses
- Assistance to develop quality, marketing and management systems
- Technical assistance and information on furniture industry
- Introducing modern innovated designs
- Internationally accredited testing facilities and quality certificates

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مركز تكنولوجيا البلاستيك  
Plastic Technology Center

## *Plastic Technology Center*

Plastic Technology Center (PTC) is the first specialized center in Egypt that serves plastic industries. PTC was established in 1980 as one of the sector-specific technology centers to support plastic and plastic recycling sectors. It is the first accredited center specialized in plastics in Egypt with ISO 17025 Certificate from the Egyptian Accreditation Council. PTC provides the following services:

- Testing and quality control
- Theoretical and practical Training courses
- Technical consultations
- Technical information and technology transfer (database, gap analysis, new technologies)

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## *Egypt National Cleaner Production Center*

Egypt National Cleaner Production Center (ENCPC) is built upon the experience of the United Nations Industrial Development Organization (UNIDO) in establishing Cleaner Production Centers in more than 30 countries all over the world. ENCPC aims to enhance the environmental performance of the Egyptian Industry through:

- Environmentally Sound Technology Transfer
- Assistance to benefit from financing packages
- Technical assistance for cleaner development mechanism
- Industrial waste management (reuse, recycling)
- Management Systems and Certifications
- Chemicals Management (e.g. Chemical Leasing program)
- Energy Efficiency Program
- Training programs on the Profitable Environmental Management "PREMA"

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## *Productivity and Quality Improvement Center*

Productivity and Quality Improvement Center (KAIZEN) is a Japanese expression that means change for better and continuous improvement. Kaizen Centre is giving the following services to strengthen the Egyptian enterprises in order to survive in the world competition with the highest levels of quality and more competitive prices.

### **Skills & Technologies : -**

- QC: Quality Control
- QCC: Small Group Activities
- IE: Industrial Engineering
- JIT: Just in Time
- PM: Plant Maintenance
- TPM: Total Productive Maintenance
- TQM: Total Quality Management

### **Activities : -**

- Diagnosis
- Seminars
- Workshops
- Training Courses
- Consultations

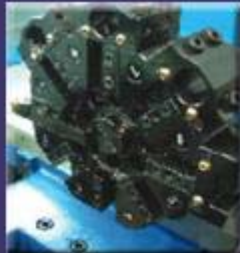
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Engineering Industries  
Technology Center

## *Engineering Industries Technology Center*

Engineering Industries Technology Center (EITC) mission is to provide the engineering industries sector in Egypt with technology transfer and consulting services tailored to meet the sector's growth and competitiveness requirements. EITC delivers these services through a team of consultant engineers and project managers trained and qualified to provide:

- \* Training courses in the fields of:
  - Engineering design (CAD/CAM/CAE)
  - CNC Programming
  - Calibration of instruments
  - Quality management
  - CE Mark Qualification
- \* Technical assistance and gap analysis for engineering industries
- \* Accredited certificates for engineering products
- \* Technology transfer for engineering industries

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## *Textile and Clothing Business Center*

**Textile and Clothing Business Center (TCBC) targets to link the Egyptian Textile & Clothing producers with the main buyers in the global market specially EU & USA Markets. TCBC acts as a sourcing house linked with the EU sourcing agencies, brands and wholesalers by providing the following services:**

- Samples preparation
- International Marketing
- Supply Chain Management
- Gap Analysis Reports
- Qualification programmes
- Consultation on the new global trends
- Process control
- Technical & Business studies
- Order processing assistance
- Organize Business to Business matchmaking

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**For more information, please contact:**

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# Important Links

<b>Ministry of Trade and Industry</b>	<b><a href="http://www.mti.gov.eg">www.mti.gov.eg</a></b>
<b>Industrial Modernization Center</b>	<b><a href="http://www.imc-egypt.org">www.imc-egypt.org</a></b>
<b>Federation of Egyptian Industries</b>	<b><a href="http://www.fei.org.eg">www.fei.org.eg</a></b>
<b>Egypt's Government Services Portal</b>	<b><a href="http://www.egypt.gov.eg">www.egypt.gov.eg</a></b>
<b>American Chamber of Commerce in Egypt</b>	<b><a href="http://www.amcham.gov.eg">www.amcham.gov.eg</a></b>
<b>Egyptian Stock Market</b>	<b><a href="http://www.egyptianstocks.com">www.egyptianstocks.com</a></b>
<b>Expo Link</b>	<b><a href="http://www.expolink.org">www.expolink.org</a></b>
<b>Ministry of Investment in Egypt</b>	<b><a href="http://www.mi.gov.eg">www.mi.gov.eg</a></b>

