TÜBİTAK MARMARA RESEARCH CENTER

July 2010
Gebze, Kocaeli / TURKEY
Presentation Plan

- TÜBİTAK Gebze Settlement
- TÜBİTAK Marmara Research Center
- Industrial Partnership Program
- Marmara Technopark
History

• Foundation of TÜBİTAK, 1963, Ankara

• Mission; Developing policies for science & technology, Funding and Research.

• Foundation of Marmara Research Center, 1972, Gebze.

• Area, 8000 acres.

• Some Institutes are separated from Marmara Research Center and report directly to the TÜBİTAK Presidency.
VISION
To be among the leading science and technology centers of the world in the field of applied research.

MISSION
To contribute to the development of Turkey’s competitive power, using science and technology.
Personnel Profile

Total: 855

*July 2010
Researcher Profile

- PhD: 42%
- MSc: 41%
- BSc: 17%

Legend:
- PhD
- MSc
- BSc
Researcher Profile (PhD)

![Graph showing trends in PhD and PhD Student numbers from 2004 to 2010 (July).](image)

- **PhD** line:
  - 2004: 80
  - 2005: 91
  - 2006: 131
  - 2007: 149
  - 2008: 156
  - 2009: 170
  - 2010 (July): 175

- **PhD Student** line:
  - 2004: 26
  - 2005: 31
  - 2006: 39
  - 2007: 62
  - 2008: 89
  - 2009: 109
  - 2010 (July): 119

*Note: The graph visually represents the increase in the number of PhD and PhD Student researchers over the years.*
Services

Projects
• Industrial
• Strategic

Industrial Services
• Testing
• Analysis
• Consultancy
• Training
Self Sufficiency Ratio

Self Sufficiency Ratio: Project Income / All Expenses

2009 Ratio: 51 Million USD / 81 Million USD = % 63
Sectoral Distribution of Projects (2009)

**Private Sector**
- University: 1%
- Defence: 10%
- International: 14%

**Public Sector**
- University: 0.02%
- Defence: 16%
- International: 5%
- Private Sector: 28%
- Defence: 10%

**PROJECT**
(219)

**BUDGET**
(175 Million $)
- University: 0.02%
- Defence: 16%
- International: 5%
- Public Sector: 73%
- Private Sector: 6%
Certificates

- National Facility Security Certificate
- NATO Facility Security Certificate
- Manufacturing Authorization Certificate
- ISO 9001-2008 The Certificate of Quality Management System for all the Institutes and the Departments of MRC
- ISO 14001-2004 The Certificate of Environment Management System for all the Institutes and the Departments of MRC
- ISO 17025 The Accreditation Certificate of Service Laboratories (EI, FI, MI, CEI)
- 2003 National Quality of Achievement Award
### EU FP6 – FP7 Projects

<table>
<thead>
<tr>
<th>Energy Institute</th>
<th>Food Institute</th>
<th>Environment Institute</th>
<th>Earth &amp; Marine Sciences Institute</th>
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</thead>
<tbody>
<tr>
<td>EU-DEEP (IP)</td>
<td>Quality Low Input Food (IP)</td>
<td>ANVOC (SSA)</td>
<td>FORESIGHT (STREP)</td>
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<td>NATURALHY (IP)</td>
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<td>SPICOSA (IP)</td>
<td>SCHEMA (STREP)</td>
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<td>HY-PROSTORE (SSA)</td>
<td>SAFEFOODERA (CA)</td>
<td>PREPARED (CP)</td>
<td>BlackSeaHazNet</td>
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<td>BIGPOWER (SSA)</td>
<td>FOODLINK (SSA)</td>
<td>HEISST (CP)</td>
<td>EPOS</td>
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<td>MC-WAP (IP)</td>
<td>MYCOGLOBE</td>
<td>PROMITHEAS (CP)</td>
<td>PRE-EARTHQUAKES</td>
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<td>NETBIOCOF (CA)</td>
<td>EUROFIR (NoE)</td>
<td>MCFC-CONTEX (CP)</td>
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<td>CASES (CA)</td>
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<td>MYCRORED (CP)</td>
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<td>EAST-NMR (CP)</td>
<td>HEISST (CP)</td>
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<td>API FRESH: Pollen Quality (CP)</td>
<td>PROMITHEAS-4</td>
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<th>Genetic Eng.&amp; Biotechnology Inst.</th>
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<td>FAD (IP)</td>
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<td>BRIDGE</td>
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Ready To Market Technologies

- Several oil formulation
- Foods enriched by vitamins & minerals
- Starter culture production for fermented products
- Wines and liquors
- Olive production for exportation
- Apricot halva and mush
- Ready to eat meal packages and bread packages
- Microwave nondestructive test prototype
- Cracked laser ray converter
- Undersurface tomography system prototype
- Alumina based plates
- Electronic and magnetic ceramics
- Formulation of ceramics
- Ceramic sponge casting filters
- Alumina based ceramic pots
- Porous ceramics
- Chemical gas absorbing cleaning & decontamination powder (T-1)
- Textile ceramic products
- Powder metallurgy products
Industrial Partnership Program (IPP)
This program mainly aims to share

- The knowledge of TÜBİTAK MRC accumulated within 38 years,
- Results of R&D studies,
- Very rich infrastructure

with the Turkish Industry.
Main goals of the program are;

- To search the technological needs of the Turkish Industry,
- To provide support to solve the problems of the industry,

Together with the Turkish Industry, to make high quality, long life, High value added, R&D studies.
The general structure of the program
## CRITERIA OF PARTICIPATING AND CONTINUATION

<table>
<thead>
<tr>
<th>Category A Firms</th>
<th>Category B Firms</th>
<th>Category C Firms</th>
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</thead>
<tbody>
<tr>
<td><strong>- MARTEK A.Ş. Firms</strong>&lt;br&gt;- Firms who work with MRC during 2 years and reach USD 50,000/year as projects and industrial services**&lt;br&gt;Fee: None**&lt;br&gt;Continue: If the conditions defined upper are not ensured&lt;br&gt;• Category B Firms with a discount of %20&lt;br&gt;• Free member organization–Category C</td>
<td><strong>They can benefit from all the advantages of the program</strong>&lt;br&gt;Fee: Companies 5,000 TL+VAT&lt;br&gt; Holding 5,000 TL+VAT&lt;br&gt;Foundation 2,000 TL+VAT</td>
<td><strong>Limited advantages for industrial services</strong>&lt;br&gt;Fee: Companies 1,000 TL + VAT&lt;br&gt;The holdings, corporations, foundations can not be participated in this category</td>
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## Industrial Partnership Program

### ADVANTAGES AND DISCOUNTS

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<tr>
<th>Category A Firms</th>
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<th>Category C Firms</th>
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<td><strong>The Free Services</strong></td>
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<td>• Computerized communication</td>
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<td>• Systematic information transfer</td>
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<td>• E-bulletin/Bulletin</td>
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<td>• Access to project outcomes</td>
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<td>• Free consultancy</td>
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<td>• Possibility to benefit from the library at place (at MRC)</td>
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<td><strong>Discounts</strong></td>
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<tr>
<td>• Project and Industrial Services : % 10-20</td>
<td>• Project and Industrial Services : % 10-20</td>
<td>• Project and Industrial Serv.:%10-20</td>
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<tr>
<td>• Training : %15</td>
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<td>• Training : %15</td>
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<td>• Publication Patent Search : % 30</td>
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MARMARA TECHNOLOGICAL PARK
(MARTEK)
Technopark and Technology Free Zone

TÜBİTAK MRC Technopark + Free Zone = TÜBİTAK MRC Technology Free Zone
- High Quality and Cheapest Technopark
- 604,400 m² Total Area
- 14,884 m² Total Closed Area
- 77,000 m² T. Open Area to be Rented
- 60,540 m² Open Area Rented

- 126 ongoing R&D projects
- 73 R&D Companies
- Nearly 9 Projects carried on in collaboration with TÜBİTAK Institutes
Thank You

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