Industrial Involvement @ CERN

Report by Hakan KIZILTOPRAK
Special Advisor to TOBB President
CERN Industrial Liaison Officer for Turkey
Chair, CERN Industrial Liaison Officers Forum
The Union of Chambers and Commodity Exchanges of Turkey (TOBB)

• The umbrella organization of the Turkish private sector
  ▪ **1.5 million** members
    ▪ 85% of National Income
    ▪ 77% of Investments
    ▪ 100% of Exports
The Union of Chambers and Commodity Exchanges of Turkey (TOBB)

• A strong organization, covering the whole economy
  - 365 Local Chambers and Commodity Exchanges
    - 81 Provinces
    - 160 Districts
  - 61 Sectoral Assemblies
  - Offers over 60 different services to its members
  - Manages over 40 national and international projects
The Union of Chambers and Commodity Exchanges of Turkey (TOBB)

SECTORAL ASSEMBLIES - Leaders of the sectors

• 61 different Assemblies in the primary sectors

• Each sectoral assembly holds:
  ▪ The top 40 companies of the sector (as turnover)
  ▪ Senior bureaucrats of the relevant public institutions
  ▪ Sectorial associations

• Overall, Sectoral Assemblies brings together:
  ▪ 1.460 companies representing all regions
  ▪ 15 ministries, 57 public institutions
  ▪ 377 non-governmental organizations /associations
The Union of Chambers and Commodity Exchanges of Turkey (TOBB)

**SECTORAL ASSEMBLIES – (Industrial)**

<table>
<thead>
<tr>
<th>Sector Assembly</th>
<th>Sector Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive Industry Assembly</td>
<td>Clothing and Apparel Industry Assembly</td>
</tr>
<tr>
<td>Automotive Parts and Components Industry Assembly</td>
<td>Construction Contractors Assembly</td>
</tr>
<tr>
<td>Beverage Industry Assembly</td>
<td>Computer Hardware and Communication Tech. Assembly</td>
</tr>
<tr>
<td>Biotechnology Assembly</td>
<td>Computer Software Assembly</td>
</tr>
<tr>
<td>Casting Industry Assembly</td>
<td>Consumer Durables Assembly</td>
</tr>
<tr>
<td>Cement and Cement Products Assembly</td>
<td>Cosmetics and Cleaning Products Industry Assembly</td>
</tr>
<tr>
<td>Ceramic and Refractory Industry Assembly</td>
<td>Defense Industry Assembly</td>
</tr>
<tr>
<td>Chemical Industry Assembly</td>
<td>Energy Assembly</td>
</tr>
<tr>
<td>Civil Aviation Assembly</td>
<td>Ferrous and Nonferrous Metals Assembly</td>
</tr>
<tr>
<td>HVAC Assembly</td>
<td>Food Industry Assembly</td>
</tr>
</tbody>
</table>
### The Union of Chambers and Commodity Exchanges of Turkey (TOBB)

#### SECTORAL ASSEMBLIES – (Industrial)

<table>
<thead>
<tr>
<th>Forestry Products Assembly</th>
<th>Mining Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furniture Products Assembly</td>
<td>Natural Gas Assembly</td>
</tr>
<tr>
<td>Glass and Glass Products Industry Assembly</td>
<td>Package Assembly</td>
</tr>
<tr>
<td>International Contracting Services Assembly</td>
<td>Paper and Paper Products Industry Assembly</td>
</tr>
<tr>
<td>Jewellery Industry Assembly</td>
<td>Petrol and Petroleum Products Industry Assembly</td>
</tr>
<tr>
<td>Leather and Leather Products Industry Assembly</td>
<td>Pharmaceutical Industry Assembly</td>
</tr>
<tr>
<td>Liquefied Petroleum Gas (LPG) Assembly</td>
<td>Soil Industry Products Assembly</td>
</tr>
<tr>
<td>Machine and Equipment Manufacturing Assembly</td>
<td>Telecommunication Assembly</td>
</tr>
<tr>
<td>Medical Assembly</td>
<td>Textile Industry Assembly</td>
</tr>
</tbody>
</table>
The Union of Chambers and Commodity Exchanges of Turkey (TOBB)

Very active President nationally and internationally

- Vice President of EUROCHAMBRES
- Vice President of Islamic Chamber of Commerce, Industry and Agriculture (ICCIA)
- Member of the Executive Board of ICC (International Chamber of Commerce), Chairman of ICC Turkey, ICC G-20 Advisory Group Member
- B20 Turkey Chair
- Vice President of the Confederation of Asia-Pacific Chambers of Commerce and Industry (CACCI)
- Co-President of the Turkish-Arab Chamber
- International President of the Jerusalem Arbitration Center
- Member of the Board of the Association of Balkan Chambers (ABC)
- Co-Chairman of the EU-Turkey Joint Consultative Committee
- President of the Board of Trustees of TOBB University of Economics and Technology
- President of TEPAV (The Economic Policy Research Foundation of Turkey)
- Member of The Supreme Council for Science and Technology of TUBITAK (The Scientific and Technological Research Council of Turkey)
- ….
TOBB CERN Industrial Liaison Office

• **Journey of CERN**
  - May 2015   MOU with TAEK
  - June 2015  First Council Meeting Attendance
  - Aug 2015   First Visit to Heads of Departments
  - Oct 2015   **First CERN Industrial Event in Ankara**
  - Dec 2015   **Training of Local Chambers’ Reps**
  - Apr 2016   **CMS & Hi-Lumi Event**
  - May 2016   **KT – TTO Summit**
  - Oct 2016   **Hi-Lumi Event (Portugal)**
  - May 2017   **Hi-Lumi Event (UK)**
  - March 2018 **CERN2B as part of V. International Nuclear Power Plants Summit in Istanbul**
  - Oct 2018   **CERN2B as part of ICCDA 2018 in Ankara**
TOBB CERN Industrial Liaison Office

• Journey of CERN (56 events – 5 with CERN)
Fiber optik kablolar, lifleri tek tek kaplanmış olanlar (elektrik iletkenleri monte edilmiş ya da bağlıntı parçalı olsun veya olmasın)

İllere Göre Alt Faaliyet Dağılım Haritası

İlgilendiğiniz il merkezi üzerine tıklayarak adres bilgilerine ulaşabilirsiniz.

Renk |
| Ürün Kodu |
| Ürün Açıklama |
| Firma Sayısı |
| Seçenekler |

27.31.11.00.00 Fiber optik kablolar, lifleri tek tek kaplanmış olanlar (elektrik iletkenleri monte edilmiş ya da bağlıntı parçalı olsun veya olmasın) 13 7
TOBB CERN Industrial Liaison Office

- **Journey of CERN**
  - **Have Access**
    - Over 9,000 Companies in one of the following areas
      - Civil engineering, building and technical services
      - Electrical engineering and magnets
      - Electronics and radio frequency
      - Information technology
      - Mechanical engineering and raw materials
      - Vacuum and low temperature
      - Optics and photonics
      - Gases, chemicals, waste collection and radiation equipment
      - Health, safety and environment
      - Transport, handling and vehicles
      - Office supply, furniture, communication and training
      - On-site Services (nation-wide or internationally)
TOBB CERN Industrial Liaison Office

• **Journey of CERN – Our Network**
  
  • **Variety of our Network**
    - Owners, Executives or HighLevel Sr. Representatives
    - Associations of Major Sectors
    - Local Chambers’ network
    - Technoparks
    - Industrial Zones

  • **Capacity of our Network**
    - They are good and busy...
    - They want the challenge of CERN jobs but are careful
    - They are communicating each other and with us.
    - Unique abilities
Representation at CERN

CERN Council

Director General

Scientific Policy Committee

Finance Committee

TAEK

TOBB

KT Forum
(Technology Transfer representatives from each Member State)

ILO Forum
(Industrial Liaison Officers from each Member State)
## Contributions due for the Current Year (2018)

### Member States Contributions

Including countries whose status is either Member State, Candidate for Accession, Associate Member State or Associate Member State in the pre-stage to Membership.

<table>
<thead>
<tr>
<th>Country</th>
<th>Percentage of Total</th>
<th>Amount (CHF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>20.10%</td>
<td>230 756 250</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>15.49%</td>
<td>177 879 750</td>
</tr>
<tr>
<td>France</td>
<td>13.81%</td>
<td>158 547 200</td>
</tr>
<tr>
<td>Italy</td>
<td>10.20%</td>
<td>117 105 900</td>
</tr>
<tr>
<td>Spain</td>
<td>6.89%</td>
<td>79 073 450</td>
</tr>
<tr>
<td>Netherlands</td>
<td>4.51%</td>
<td>51 751 300</td>
</tr>
<tr>
<td>Switzerland</td>
<td>3.94%</td>
<td>45 193 300</td>
</tr>
<tr>
<td>Poland</td>
<td>2.76%</td>
<td>31 654 200</td>
</tr>
<tr>
<td>Norway</td>
<td>2.65%</td>
<td>30 434 150</td>
</tr>
<tr>
<td>Belgium</td>
<td>2.65%</td>
<td>30 392 150</td>
</tr>
<tr>
<td>Sweden</td>
<td>2.63%</td>
<td>30 199 200</td>
</tr>
<tr>
<td>Austria</td>
<td>2.10%</td>
<td>24 091 850</td>
</tr>
<tr>
<td>Denmark</td>
<td>1.76%</td>
<td>20 239 450</td>
</tr>
<tr>
<td>Israel</td>
<td>1.58%</td>
<td>18 129 350</td>
</tr>
<tr>
<td>Finland</td>
<td>1.30%</td>
<td>14 946 350</td>
</tr>
<tr>
<td>Greece</td>
<td>1.09%</td>
<td>12 567 300</td>
</tr>
<tr>
<td>Portugal</td>
<td>1.08%</td>
<td>12 367 300</td>
</tr>
<tr>
<td>India*</td>
<td>1.07%</td>
<td>12 272 050</td>
</tr>
<tr>
<td>Romania</td>
<td>1.00%</td>
<td>11 482 650</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>0.91%</td>
<td>10 475 650</td>
</tr>
<tr>
<td>Hungary</td>
<td>0.60%</td>
<td>6 868 150</td>
</tr>
<tr>
<td>Turkey*</td>
<td>0.49%</td>
<td>5 619 000</td>
</tr>
<tr>
<td>Slovakia</td>
<td>0.48%</td>
<td>5 482 000</td>
</tr>
<tr>
<td>Bulgaria</td>
<td>0.29%</td>
<td>3 286 800</td>
</tr>
<tr>
<td>Serbia**</td>
<td>0.17%</td>
<td>1 920 100</td>
</tr>
<tr>
<td>Pakistan*</td>
<td>0.13%</td>
<td>1 502 400</td>
</tr>
<tr>
<td>Cyprus**</td>
<td>0.09%</td>
<td>1 000 000</td>
</tr>
<tr>
<td>Lithuania*</td>
<td>0.09%</td>
<td>1 000 000</td>
</tr>
<tr>
<td>Slovenia**</td>
<td>0.09%</td>
<td>1 000 000</td>
</tr>
<tr>
<td>Ukraine*</td>
<td>0.09%</td>
<td>1 000 000</td>
</tr>
</tbody>
</table>

Total: 100% 1 148 237 250

* Associate Member State  ** Associate Member State in the pre-stage to membership
TOBB CERN Industrial Liaison Office

• More than 2,000 companies actively involved

• 267 Companies – 31 Million CHF Tenders

• 25 Companies more than 85 orders worth of 6 million CHF

• Companies ranked 2nd or 3rd in tenders overall worth of 13.5 million CHF
TOBB CERN Industrial Liaison Office

• Journey of CERN – Overall
  • Doubled return each year since 2015
  • Increased Industrial Return and about to be well-balanced Member State at CERN starting 2020
  • More variety of supplies and tenders participated
  • Executive Support to CERN is very promising
  • Press and Public closely following the details
  • Our Company Network is now engaged in many other high-tech projects internally and externally
TOBB CERN Industrial Liaison Office

- Ayvaz
- Cable
- Spain
- HMS Makina
- Cryo-CAN (THM-TEİ)
- TAEK
- TÜBİTAK
- Universities
- Ministries
- Nuclear Power Plant Projects

Symmetrical FRNC - Cables (Flame Retardant, Non Corrosive) for Data Transmission and Process control acc. to CERN - Specification Li - 2YCH x 2 x 0.22 mm² MCA

4 metre Box
2 metre Box

The Union of Chambers and Commodity Exchanges of Turkey