CHAPTER I
The basics of the Tecnológico de Monterrey
Monterrey – 1940s

- Industrialization of the country
- Opportunities
  - Need for engineers and managers in a new era of industrialization

The beginning: 1943

Monterrey, Nuevo Leon
350 students

Tecnológico de Monterrey

- Privately funded in 1943
- Non-profit
- Independent
- Non-government operational support

27 non-profit sponsoring organizations
561 Board of trustees members
In the 1970's, the Tecnológico de Monterrey initiated a geographical expansion process resulting in 31 Campi across Mexico. These Campi operate as a Virtual University, offering education in 17 countries.

**Summary of our Mission 2005-2015**

The Tecnológico de Monterrey educates persons:
- With integrity, high ethical standards and a humanistic and social perspective
- Internationally competitive in their professional fields
- Citizens committed to the well being of their communities
Research and Technology

The Tecnológico de Monterrey undertakes humanistic, scientific and technological research in order to satisfy the social, economic and environmental demands of Mexico.

Main research topics:
- Biotechnology and health
- Information and electronic technologies
- Sustainable development
- Public policy and public administration
- Business and entrepreneurship
- Humanities and social sciences
- Education

MODEL OF RESEARCH CHAIRS

- 135 research Chairs
- 262 faculty members of the National System of Researchers (SNI) of the National Council of Science and Technology (CONACYT)
- 2300 students and faculty participate in the research chairs
- 37 patents requested in 2009
Research and Technology

- It has been the Mexican educational institution that has generated the greatest number of patent applications annually (2011)
- Biotechnology and Medicine have been at the top of the agenda (Biotechnology Center and the Center for Innovation and Transference of Health Sciences)
- The EGADE Business school has 13 research centers and the EGAP Graduate School of Public Administration works on projects supported by the Ministries of the Federal Government and Municipal Governments
- To date, 14 Technology Parks have been built throughout the country

<table>
<thead>
<tr>
<th>Campus</th>
<th>Expenditure 2010 (Million Pesos)</th>
<th>SNIs 2011</th>
<th>Cátedras 2011</th>
<th>PhD students 2011</th>
<th>Congress papers 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monterrey</td>
<td>222 (53%)</td>
<td>120 (46%)</td>
<td>65 (46%)</td>
<td>327 (49%)</td>
<td>337 (62%)</td>
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<tr>
<td>EGADE/EGAP</td>
<td>20</td>
<td>17</td>
<td>17</td>
<td></td>
<td></td>
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<tr>
<td>Mexico city</td>
<td>50 (RZMCM)</td>
<td>39</td>
<td>14</td>
<td>58</td>
<td>39</td>
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<tr>
<td>State of Mexico</td>
<td>59 (RZC)</td>
<td>29</td>
<td>12</td>
<td>42</td>
<td>18</td>
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<tr>
<td>Guadalajara</td>
<td>24 (RZO)</td>
<td>10</td>
<td>9</td>
<td>1</td>
<td>37</td>
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<tr>
<td>Santa Fe</td>
<td>10</td>
<td>3</td>
<td>2</td>
<td>7</td>
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<tr>
<td>Toluca</td>
<td>9</td>
<td>5</td>
<td>15</td>
<td>34</td>
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<tr>
<td>Querétaro</td>
<td>7</td>
<td>5</td>
<td>3</td>
<td>12</td>
<td></td>
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<td>Puebla</td>
<td>8.7 (RZS)</td>
<td>5</td>
<td>33</td>
<td>3</td>
<td></td>
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<tr>
<td>Others</td>
<td>58.3 (UV, SIS)</td>
<td>13</td>
<td>3</td>
<td>5</td>
<td></td>
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<tr>
<td>Total</td>
<td>422</td>
<td>262</td>
<td>136</td>
<td>665</td>
<td>541</td>
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</table>
CHAPTER II

Internationalization at the Tec de Monterrey

The Vice-Presidency for International Affairs: new perspectives around the world

- 60’s and 70’s. International activity was deemed important, certainly compared to other universities; however, internationalization was circumscribed to student mobility programs with universities located mainly in the USA.

- 80’s and 90’s. We expanded the scope of the Tecnológico de Monterrey’s relations and partnerships with Universities, focusing not only on US Universities, but also Canadian and European Universities.

- The implementation of a formal International Faculty Development Program, aimed at training the Tec’s lecturers in student-centered teaching techniques in European and American Universities.

- By the beginning of the 21st century, the Tec’s partnerships reached Asia and Oceania.
The Vice-Presidency for International Affairs: new perspectives around the world

- In the 90's, the Tec began its global expansion. In 1998, by a Presidential mandate, the Vice-Presidency for International Affairs was created:
  - To define norms and policies for internationalization
  - To analyze, evaluate and approve initiatives dealing with international cooperation
  - To follow up on strategic alliances
  - To negotiate, organize and develop international agreements
  - To negotiate with international agencies, associations and organizations the development of new opportunities and fundraising for specific projects
  - To coordinate the promotion of the “Tec de Monterrey” all over the world
  - To evaluate and approve new programs and well as academic models
  - To promote teacher exchanges
  - To establish and administrate the International Liaison Offices (ILO's)

The Vice-Presidency for International Affairs: new perspectives around the world

International consortium for Strategic Projects and Research

- The XXI century, Tec began its global expansion trough the international consortium liaisons.
  - APRU - Association of Pacific Rim Universities
  - ECIU – European Consortium of Innovative Universities
  - U21 – Universitas 21
  - GEIP – Global Engineering Internship Program
  - 6U – Six Universities Consortium from the Pacific Rim
CHAPTER III
The presence of the Tec in the world

Tecnológico de Monterrey
OFFICES ACROSS THE GLOBE
The international network

Virtual University
Founded in 1989

VP established headquarters in Monterrey and the Metropolitan Area of Mexico City, as well as a network of International Liaison Offices (ILO) in every continent except Africa.
ILO’s goals

- The evaluation and administration of strategic projects between different organizations around the world and the different camps of the Tecnológico de Monterrey
- The coordination of international activities promoting the Tecnológico de Monterrey at events,
- The sanctioning of, in conjunction with the Vice-Presidency for Academic Affairs, new academic programs and models in Mexico and abroad (summer, semester, postgraduate, honors programs, among others)
- The support and provision of teaching exchanges, as well as projects to attract foreign lecturers, and international joint research projects.

The international network

- The 21st century saw a milestone in the establishment of the ILO’s.
- The Tec decided to open its first offices in Asia and Eastern Europe with the opening, in 2004, of ILO’s in Shanghai, Beijing and Slovakia.
- In order to decide upon the best options for the offices, the VI looked for:
  - Regions with a high concentration of prestigious higher education institutions
  - Distinguished research activity, covering the Tec’s areas of interest
  - Strategic partners with complementing features
  - Student and academic mobility
Strategic Projects and successful experiences: New England Office

- The ILO Boston, Massachusetts, was originally founded as the only office in New England, USA.

- In 2008, after 8 years, Yale University invited the Tec to join the "International Alliances Offices", and the New Haven ILO was created.

- New England ILOs strengthen the relations with:
  - Mexican Consulates and Embassies
  - Mexican Tec alumni and Mexican community in USA
  - NGOs
  - New England companies
  - New England institutions (strategic partnerships)
    - Babson College
    - Yale University
    - JFK
  - Other ILOs
    - Vancouver
    - Europe

Sustainable Development Summer Internship Program in México

- According with the region and Tec priorities, ILO develops specific projects in New England
  - Sustainable Development Summer Internship Program in Mexico

Social Sustainable Development Programs

- 2,282 Community Learning Centers (CCA)
- 160 CCAs Abroad
- 167 adopted CCAs
- 20,937 enrolled students at the CCAs, accumulated to 2010
- 4,350 enrolled students at Prepanet
- 9,120 students benefited by the social development programs
In a joint venture, the Tec found the perfect partners to develop a special program which offers international college students the opportunity to participate in community projects in different parts of Mexico.

The main intention of the project was to raise awareness about the reality in Mexico. The project gives participants the opportunity to have direct contact with "real social development projects", and develop a commitment with Mexican groups and communities within Mexico.

First Partners:
- UNE
- Harvard University (David Rockefeller Center for Latin American Studies)
- Yale University
- MIT
- BU

For the first time, students outside Tec had the opportunity to work together and visit Mexico with the option of participating in community learning internships and then continue the collaborations.

Community Service in the Historic Bajío Region - Querétaro, Querétaro
Teaching Service to a Community in Need - Amatán, Morelos
Addressing Nutrition, Housing, and Education Needs - Huixcazhota and Pachuca, Hidalgo
Public Health, Teaching, and Cultural Exchange in Rural Communities - Cuichapa, Veracruz
Intercultural Education Project - San Juan Cucuc, Chiapas
Rural public health - Michoacán
Developing a cultural tourism industry - Morelos
Micro-Enterprise consulting in medium security prison - Puebla
Final Remarks

• What’s next for the Tecnológico de Monterrey? The jury is still out. The role of internationalization is still a part of the Tec’s mission, and we now envision new collaborations all around the world looking for:
  • Models of knowledge and technology transfer
  • Collaboration for R&D
  • Models for developing entrepreneurship collaborations
  • Models for developing social responsibility and sustainability
  • Teaching techniques and educational models

Thank you

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