DOST’s Technology Business Incubation Program: Status and Prospects

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Technology Business Incubation

Definition

• **Technology Business Incubation** is a *process* of nurturing business start-ups in techno-enterprise.

• **Technology Business Incubation** is an *ecosystem* where innovation is promoted and supported towards commercialization.

• **Technology Business Incubator** is a *facility* where start-ups are hosted and business development services are provided.
The **Department of Science and Technology (DOST)** is committed to achieve and deliver outputs on four major objectives namely:

- Diffusion of knowledge and technologies;
- Generation of new knowledge and technologies;
- Development of human resources for the S&T sector; and
- Provision of quality S&T services
DOST Technology Business Incubation Program

Rationale

• The Technology Business Incubation (TBI) Program of DOST is one of the strategies to achieve the objective of **diffusion of technologies**.

• **TBI** is a direct policy intervention adopted under the Science, Technology and Industry Chapter of the Medium-Term Development Plan to create greater demand for science, technology and industry.

• **TBI** is one of the four strategies enunciated in the Philippine National Innovation Strategy called Filipinnovation.
Objectives

- Create jobs
- Develop entrepreneurs
- Promote public-private partnership in regional economic development

DOST TBI Support Program: Fund commitment of P10M (total for two years) for the establishment and initial operation of TBI
### DOST-funded TBIs

**1st generation TBIs as Common Service Facilities (since 1990s): Six (6)**

<table>
<thead>
<tr>
<th>TBIs</th>
<th>Status</th>
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<tbody>
<tr>
<td>DOST-UP-Ayala TBI</td>
<td>under management of Ayala Foundation Inc.</td>
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<tr>
<td>DOST-Food and Nutrition Research Institute</td>
<td>Still operational as common service facility/semi-TBI</td>
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<tr>
<td>DOST-Industrial Technology Development Institute</td>
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<tr>
<td>DOST-Metals Industry Research and Development Institute</td>
<td></td>
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<tr>
<td>DOST-Technology Application and Promotion Institute</td>
<td>Phased out</td>
</tr>
<tr>
<td>UP Institute of Small Scale Industries</td>
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1st generation TBI/Common Service Facility

DOST-UP- Ayala TBI
DOST-UP- Ayala TBI

Photo Source: UP Ayala TBI
DOST-UP- Ayala TBI

- Operational since 1997
- Started tri-partnership of DOST, UP and Ayala in 2000
- Technology focus: Information and communication technologies and electronics
- Number of assisted start-ups: 18
Contact Person:
Ms. Mercedes Barcelon, Senior Manager

Contact Details:
UP Science and Technology Park
C.P. Garcia Ave. cor.
Katipunan Ave. Diliman,
Quezon City
Tel. no.: 928-9344
DOST Region VIII Affiliate TBI

Palo, Leyte
• DOST-affiliate TBI managed and funded by the Provincial Government of Leyte
• Started operation in 2008; temporarily closed at present
• Technology focus: Information and communication technologies

Contact Person: Mr. John Glenn Ocaña
Contact Details: DOST Region VIII
Government Center
Candahug Palo, Leyte
Tel: (053) 323-6356
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DOST-funded TBIs

2nd generation TBIs (since 2009): Five (5)

Preparatory Project: DOST-PCASTRD* and InWent partnered on Capability-Building for TBI Project, 2007-2010

*PCASTRD is now part of DOST’s Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD)

InWent/Capacity Building International Germany is a non-profit organization commissioned by German federal government, German business sectors and German landen or federal states to make an important contribution to sustainable development by developing human resource, conduct of advanced training and dialogue.
PCASTRD-InWent Capability Building for TBI

**InWent**
Project Manager: Dr. Joachim Langbein, Senior Manager
Project Coordinator/Consultant: Mr. Hans Ulrich Fuhrke

**PCASTRD**
Project Head: Dr. Reynaldo V. Ebora, Executive Director
Project Proponent & Manager: Dr. Virginia G. Novenario-Enriquez
Chief, Research Information and Utilization Division
Project Components

- TBI management team members (3) from 17 R&D institutions underwent the following training modules:
  - Preparation of Feasibility Study for TBI
  - Preparation of Business Plan
  - TBI Implementation

- Foreign training activities
  2. Networking and Dialogue on TBI at Jakarta, Indonesia on June 14-17, 2010
Trainors/facilitators in PCASTRD-InWent Capability Building for TBI were the following experts:

**Mr. Franz Dietrich**
European expert with over 30 years of experience in Eastern Europe and Germany in promoting innovation and technology commercialization through TBI and S&T Parks.
Ms. Barbara Harley
American expert in the creation and development of business incubators worldwide; co-founded the International Business Incubator of Silicon Valley, an innovative model of business incubator for companies from other countries. She was recognized with the International Champion of Business Incubation Award by the UK Business Incubation.
2nd Generation TBIs (since 2009): Five (5)

- DOST-Philippine Economic Zone Authority (PEZA) Open TBI
- DOST-UP Enterprise Center for Technopreneurship
- DOST-Cebu TBI
- DOST-University of the Philippines Los Banos TBI
- DOST-Central Luzon State University TBI
TBI Facilities and Services

Common Facilities
• Office space
• Internet access
• Business meeting/Conference room
• Training room
• Storage room

Basic Services Offered
• Technical assistance
• Intellectual property management and Legal counseling services
• Analytical laboratory services
• Administrative services
• Janitorial services

* Incubatees may be Resident/In-wall or Virtual/Out-wall Locators
Status of DOST-funded TBIs

DOST-PEZA Open TBI
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DOST-PEZA Open TBI
DOST-PEZA Open TBI

- Project duration: February 1, 2009 – July 31, 2011
- Technology focus: Information and communications technologies and electronics
- Number of assisted start-ups: 16
Contact Persons:
Engr. Peter Antonio Banzon, Project Leader
Ms. Lauren Teena Velasquez, Group Manager

Contact Details:
Technology Park Complex
C.P. Garcia Ave
UP Diliman, Quezon City
Tel. nos.: 433-1312 to 15 loc. 200 or loc. 197
Fax: 433-1316
Email:peterb@asti.dost.gov.ph
  laurenteena@yahoo.com
DOST-funded TBIs

**DOST-UP Enterprise Center for Technopreneurship**
DOST-UP Enterprise Center

- Project duration: August 1, 2010 - October 31, 2012
- Technology focus:
  - Information and communication technology
  - Electronics, industrial machinery materials/nanotechnology
  - Creatives and multimedia, learning/education
  - Health and biotechnology
  - Food technology
  - Energy and green technology
  - Social enterprise
• Number of assisted start-ups: 23
Outstanding Accomplishments

- **GsMetrix**
  1\(^{\text{st}}\) place
  2010 Filipinnovation Award for TBI Startup Enterprise of the Year

- **Itemhound**
  3\(^{\text{rd}}\) place
  2010 Filipinnovation Award for TBI Startup Enterprise of the Year

- **Filimagineers**
  1\(^{\text{st}}\) place
  2011 Filipinnovation Award for TBI Startup Enterprise of the Year
Contact Person: Dr. Luis Sison, Project Leader
Contact Details: National Engineering Center UN Diliman, Quezon City
Tel: (02) 435-9166
Email: luis.sison@up.edu.ph
Status of DOST-funded TBIs

DOST-UP Cebu TBI
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DOST-UP Cebu TBI

- Project duration: July 6, 2009 – November 30, 2012
- Technology focus: Information and communication technologies
- Number of assisted start-ups: 23
- Number of virtual locators: 5
Contact Persons: Ms. Pauline Wade, Project Leader
                Prof. Jerry Salvador, Facility Manager
Contact Details: University of the Philippines Cebu
                Gorordo Ave., Lahug District
                Cebu City
                Telefax: (032)232-4995
                Email: info@cebuinit.org
                paulinewade@yahoo.com
                jerry@cebuinit.org
Status of DOST-funded TBIs

DOST-University of the Philippines Los Baños TBI
DOST-UPLB TBI
DOST-UPLB TBI

- Technology focus: Agri-biotechnologies, information and communication technologies
- Number of assisted start-ups: 10
- Number of virtual locators: Two (2)

PhlHybrid Inc.
Contact Person: Dr. Enrico Supangco, Project Leader
Contact Details: Center for Technology Transfer and Entrepreneurship
University of the Philippines Los Baños College, Laguna
Tel.no.: (049) 501-4756
Email: ctte@uplb.edu.ph
epsupangco@uplb.edu.ph
enricosupangco@yahoo.com.ph
Status of DOST-funded TBIs

DOST-Central Luzon State University TBI
DOST- CLSU TBI
Inaugurated in April 2010
Technology thrust: Processed food products, animal nutrition and agricultural goods

Contact Person: Dr. Eduardo Marzan, Professor
Contact Details: Central Luzon State University
Science City of Muñoz, Nueva Ecija
Telefax: (044) 456-0698, 940-7537, 940-7542
Email: clsuaftbi@clsu.edu.ph
egmarzan@lycos.com

* Funded and monitored by DOST-Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)
Role of DOST-PCIEERD

• Provide support for capability-building/strengthening of TBIs/TBI Program
• Conduct evaluation and monitoring of DOST-funded TBIs
Prospects: The Way Forward

• Strengthening of TBI network and collaborative partnerships
• Support for promotion and advocacy for TBI
• Support for capacity building for business incubator team/management
• Strengthening/expansion of TBIs
• Establishing of policy framework conducive to TBI and technopreneurship