

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.

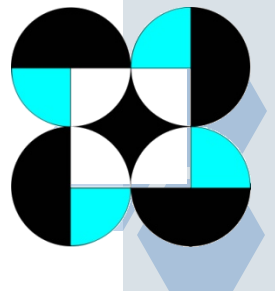




DOST Mission

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**.





DOST Technology Business Incubation

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)

DOST-UP-Ayala TBI

Status: under management of Ayala Foundation Inc.

DOST-Food and Nutrition Research Institute

DOST-Industrial Technology Development Institute

DOST-Metals Industry Research and Development Institute

Status: Still operational as common service facility/semi-TBI

DOST-Technology Application and Promotion Institute

UP Institute of Small Scale Industries

Status: Phased out



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

S|Y|S|T|E|M|A



Center for Economic Policy Research





DOST-UP- Ayala TBI

Contact Person:

Ms. Mercedes Barcelon, Senior Manager

Contact Details:

UP Science and Technology Park

C.P. Garcia Ave. cor.

Katipunan Ave. Diliman,

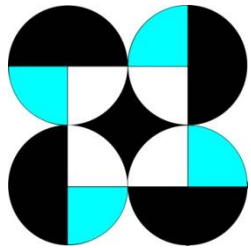
Quezon City

Tel. no.: 928-9344





DOST Region VIII Affiliate TBI



Palo, Leyte





DOST Region VIII Affiliate TBI

- 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

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Candahug Palo, Leyte
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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. Eborá, Executive Director

Project Proponent & Manager: Dr. Virginia G. Novenario-Enriquez

Chief, Research Information and Utilization Division





PCASTRD-InWent Capability Building for TBI

Project Components

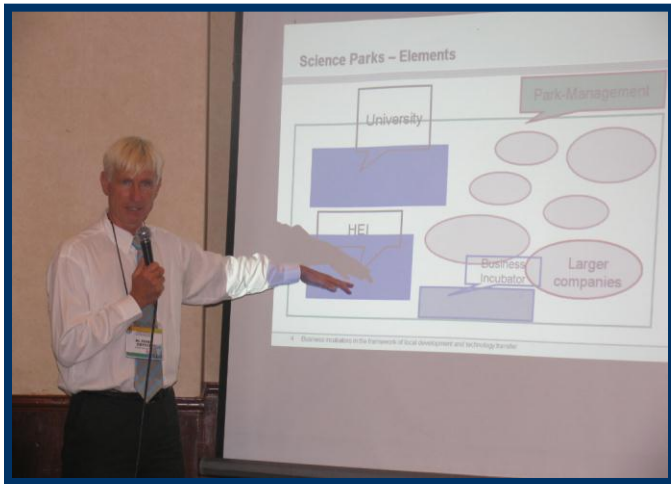
- TBI management team members (3) from 17 R&D institutions underwent the following training modules:
 - Preparation of Feasibility Study for TBI
 - Preparation of Business Plan
 - TBI Implementation
- Foreign training activities
 1. Policy Conference and Study Visit in Thailand on July 27-31, 2008
 2. Networking and Dialogue on TBI at Jakarta, Indonesia on June 14-17, 2010





PCASTRD-InWent Capability Building for TBI

- 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.





PCASTRD-InWent Capability Building for TBI



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.





DOST-funded TBIs

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





DOST-PEZA Open TBI





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





DOST-PEZA Open TBI

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

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laurenteena@yahoo.com





DOST-funded TBIs



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





DOST-UP Enterprise Center





DOST-UP Enterprise Center





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





DOST-UP Enterprise Center for Technopreneurship

- Number of assisted start-ups: 23

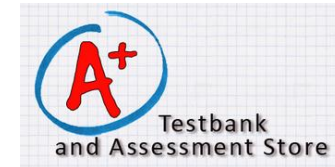
ELISC

INNOLUMIN
INNOVATIVE LUMINATION SOLUTIONS

QUVIT

WoodLearning

myRemitHub



combix

SMART TRAFFIC

Solve It

PropertyCity.ph
Philippines' Smartest Property Search



Suman Valley

opmpowered.com





DOST-UP Enterprise Center for Technopreneurship



RONDA **PALENGKE**



FILIMAGINEERS

<!-- Filipino Imagination Engineering -->



Itemhound

gsm=trix

PayBilis

EventLy

**CLOUDSOFT
TECHNOLOGIES INC.**
cost advantage | software solutions



Outstanding Accomplishments

- **GsMetrix**

1st place

2010 Filipinnoation Award for
TBI Startup Enterprise of the Year

- **Itemhound**

3rd place

2010 Filipinnoation Award for
TBI Startup Enterprise of the Year

- **Filimagineers**

1st place

2011 Filipinnoation Award for
TBI Startup Enterprise of the Year





DOST-UP Enterprise Center for Technopreneurship

Contact Person: Dr. Luis Sison, Project Leader

Contact Details: National Engineering Center
UP Diliman, Quezon City

Tel: (02) 435-9166

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Status of DOST-funded TBIs

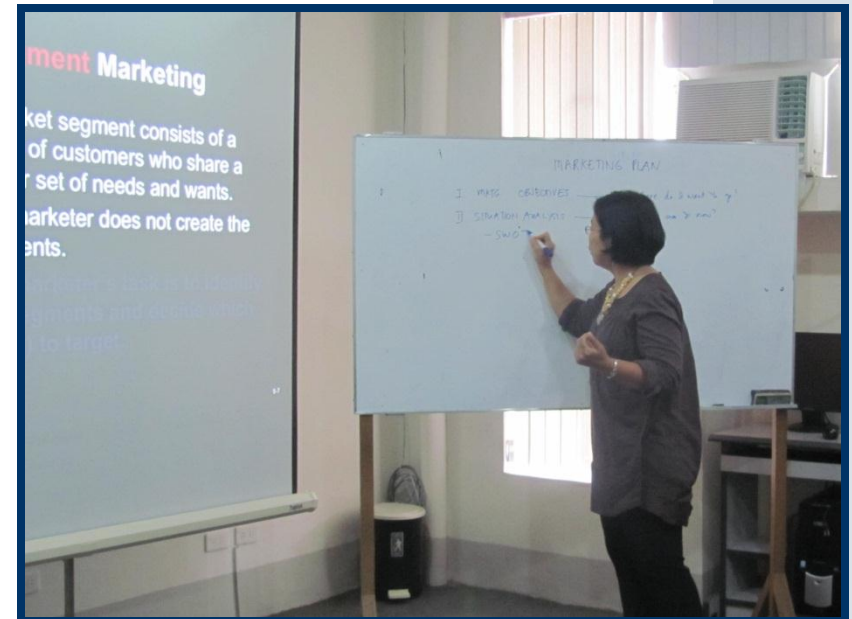


DOST-UP Cebu TBI





DOST-UP Cebu TBI





DOST-UP Cebu TBI





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





DOST-UP Cebu TBI

InnoPub

Deethur



Codetoki****



CARTONATA





DOST-UP Cebu TBI

Contact Persons: Ms. Pauline Wade, Project Leader
Prof. Jerry Salvador, Facility Manager

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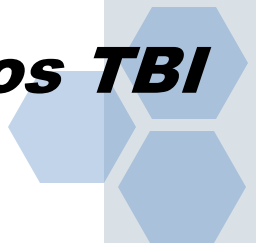




Status of DOST-funded TBIs



DOST-University of the Philippines Los Baños TBI





DOST-UPLB TBI





DOST-UPLB TBI





DOST-UPLB TBI

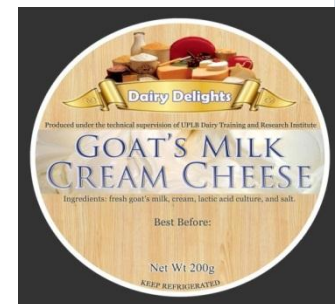




DOST-UPLB TBI

- Project duration: January 3, 2011 – January 3, 2013
- Technology focus: Agri-biotechnologies, information and communication technologies
- Number of assisted start-ups: 10
- Number of virtual locators: Two (2)

PhilHybrid  Inc.





DOST-UPLB TBI

Contact Person: Dr. Enrico Supangco, Project Leader

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enricosupangco@yahoo.com.ph





Status of DOST-funded TBIs



DOST-Central Luzon State University TBI





DOST-Central Luzon State University TBI





DOST- CLSU TBI





DOST- CLSU TBI

- Inaugurated in April 2010
- Technology thrust: Processed food products, animal nutrition and agricultural goods

Contact Person: Dr. Eduardo Marzan, Professor

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Science City of Muñoz, Nueva Ecija
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** 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

