Welcome to Map Ta Phut Industrial Estate
Industrial Estate Authority of Thailand : I-EA-T

State Enterprise Founded in 1972

Attached to the Ministry of Industry

Develop and Manage Industrial Estates

Promote & Regulate all Industrial Estates

Industrial Port Development
Industrial Estates in Thailand

Thailand
- 59 Industrial Estates
- 3,976 Factories
- Investment 2.8 Trillion Baht
- 517,279 workers

Map Ta Phut Complex
- 5 Industrial Estates and 1 Port
- 151 Factories
- Investment 1 Billion Bath
- 30,000 workers
Map Ta Phut Complex
Petroleum & Petrochemical Value Chain

**Petroleum**

- **Upstream**
  - Natural Gas/Crude
- **Downstream**
  - Ethane/Naphtha
  - Fuels/Lubes

**Petrochemical**

- **Upstream/Intermt.**
  - Olefins/Aromatics
  - Styrene Monomer/Vinyl Monomer
- **Downstream**
  - Plastic Resins & Fibers
- **Conversion**
  - Commodities & Specialty Products

- 220-500 Value in US$/ton
- 340-560
- 800-1,300
- 1,200-1,500
- > 1,400-3,200

Source: PTIT (as of May 2011)

= x10 in value-added
MTP COMPLEX

- 5 Industrial Estates and Map Ta Phut Port
- 21,862 Rai
- 151 Factories
- 1 Billion Baht of Investment
Map Ta Phut Industrial

- 2 Public Berths
- 10 Dedicated Berths
Type Industrial

- Petrochemical Plant: 6%
- Petrochemical Intermediate: 14%
- Petrochemical: 28%
- Downstream Petrochemical: 28%
- Chemical: 17%
- Gas: 10%
- Steel: 10%
- Power Plant: 5%
- Other: 9%
- Oil: 2%
Utilities and Facilities
Road System

Main road 40 meter width and 5.8 km. Length with steel reinforces concrete.
Electricity System

115 KVA, 22 KVA, 245 MW, supplied by EGAT and 1,300 MW supplied by private power plants.
Telecommunication

ISDN system, teleconference, fiber optics, internet, E-mail.
Raw Water System

Capacity of 100 million m$^3$/year, current industrial consumption 72 million m$^3$/year

Water Supply

Capacity of 15,300 m$^3$/day, current industrial consumption 5,000 m$^3$/day
Waste Water Treatment System

(General Industrial Zone)

Capacity 4,000 m$^3$/day, current service 1,000 m$^3$/day
Deep Sea Port

Major service for general goods, chemicals, liquid products, iron and steel, fertilizer and petroleum.
Environmental and Safety Management

- Plant Integrity Audit
- Pollution Control & Abatement Plan
- Env. & Safety Monitoring
- Env. Monitoring & Control Center (EMCC)
- Emergency Response Plan
- Pollution Control
- Emergency Response
- Public Participation & Env. Good Governance
- Green Star Award
- EIA Monitoring
- CSR
Year 2007: 32 factories were in great criteria.
Year 2008: 49 factories were in great criteria.
Year 2009: 47 factories were in great criteria.
Year 2010: 56 factories were in great criteria.
Year 2011: 86 factories were in great criteria.
Year 2012: 96 factories were in great criteria.
Year 2013: 91 factories were in great criteria.
Year 2014: 88 factories were in great criteria.

Gold Star award

2007 - 2013: 18 factories were in great criteria.
2008 - 2013: 8 factories were in great criteria.
Eco Industrial Estate & Networks
Ultimate Goal: Industry is a part of Community and living together with happiness and sustainability

5 Aspects 22 Areas

Physical Aspect
- landscape/Land use/Green Area/Zoning
- Eco Design for Common Utility & Infrastructure
- Energy Efficiency & Environmental Friendly Building / Green Building

Economic Aspect
- Economic growth of local area
- Economic growth of community (Good job makes better living of life)
- Provinicial and Country Economic growth from industrial sectors

Environmental Aspect
- Resource & Material Management
- Energy Management
- Production Process & Product
- Water pollution
- Air pollution
- Waste management
- Responding to the complaints
- Safety & Health
- Industrial Symbiosis Networks

Social Aspect
- Quality of life of employee (Happy Workplace)
- Quality of life of the people surrounding (Happy Community)

Management Aspect
- Management by cooperation & Participation
- Enhancing of Factory Audit
- Promotion of Mang. system (ISO Series), including risk management and BCM. Plan
- Promotion of new technology/system/innovation to the Industry
- Public disclosure/Sustainable Report.
Thank you

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