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Construction in Taiwan

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Taiwan Construction Industry at a Glance – An update for 2009

Gross output of construction industry (2005)	552.6 billions NTD (17.3 billions USD)
Number of construction workers (2008)	410,411 (2007: 404,155)
Number of licensed constructors (2008)	14,731 (2006:13,706)
Total construction investment in a year (2006)	451.5 billions NTD (14.1 billions USD)
Average yearly salary of a worker (2008)	480,324 NTD (14,608.6 USD) (2007: 483,900 NTD)
Average working hours of a worker (2008)	164.6 hours / month (2007: 177 hrs/mo)

Recent conditions of public works in Taiwan



Stimulus Program to Expand Domestic Demand by Enhancing Local Infrastructure

- Passed by Executive Yuan in May, 2008.
- The budget for the project was divided based on demographics.
- Total of NT\$58.3 billion (USD\$1.77 billion) of public works projects.



Economic Revitalization Policy - Project to Expand Investment in Public Works

- Passed by Executive Yuan (April, 2009)
- 20 key public works projects and 64 special investment plans
- NT\$500 billion (USD\$15.2 billion) will be invested in four years (2009-2012)



Economic Revitalization Policy - Project to Expand Investment in Public Works

- * Each project is aimed at maximizing the impact of investment and effectively stimulating the economy.
 - * Essential, urgent projects that possess a leveraging effect
 - * Ongoing projects need to be rapidly carried out
 - * Key infrastructure projects under the **i-Taiwan 12 projects plan**
 - * Projects that enhance balanced development among regions throughout Taiwan
 - * Projects are already quite advanced in the planning stage, are not being funded in part by local governments, are not the subject of environmental assessment disputes, and are prime targets to be carried out on an expedited basis



Economic Revitalization Policy - Project to Expand Investment in Public Works

- * The project has six major objectives, including
 - * fostering a comprehensive and convenient **transportation network**,
 - * building a safe and anti-disaster **environment**,
 - * enhancing culture and living standards,
 - * strengthening **infrastructure** needed to ensure national competitiveness,
 - * improving **transportation** facilities on outlying islands,
 - * cultivating high quality research and development human resources, and assisting people to attend school and find work.



Table of “Six Main Categories of Infrastructure Projects to Revitalize the Economy” and 20 Key Public Works Projects

<p>1. Creating a Comprehensive <u>Rapid Transit Network</u></p> <p>(1) Urban rapid transit</p> <p>(2) Rail grade separation in northern, central and southern urban areas, and upgrade to rapid transit lines</p> <p>(3) Enhancement of service quality of railway services in eastern Taiwan</p> <p>(4) Improvement of safety of the railways operated by the Taiwan Railway Administration and improvement of branch lines</p> <p>(5) Creation of a comprehensive freeway system</p>	<p>2. Creating a Safe and Disaster-prevention Environment</p> <p>(1) Improving safety of provincial <u>highways and bridges</u>, and dangerous sections</p> <p>(2) Disaster prevention around <u>slope areas and coastal areas</u> that are sinking</p> <p>(3) Renovation of <u>old school buildings</u></p>
<p>3. Improving Quality of Cultural and Living Environment</p> <p>(1) Creating stable <u>water supplies</u> and enhancing the environment around <u>rivers and streams</u></p> <p>(2) <u>Farming village renewal</u></p> <p>(3) Outstanding living facilities</p> <p>(4) Construction of <u>sanitary sewer systems</u></p> <p>(5) Public works projects for indigenous tribes</p>	<p>4. Infrastructure to Strengthen National Competitiveness</p> <p>(1) <u>International aviation city</u></p> <p>(2) Establishment of national information and communications applications</p> <p>(3) <u>Urban and industrial zone renewal</u></p> <p>(4) Coastal renewal</p>
<p>5. Improving Transportation Facilities in Outlying Islands</p> <p><u>Marine transit facilities</u> in outlying islands</p>	<p>6. Cultivating Outstanding R&D Human Resources and Fostering Education and Employment</p> <p>(1) Education safety net</p> <p>(2) Training outstanding talent to foster employment</p>

(Source: Executive Yuan, <http://www.ey.gov.tw>)



Internationalization of Education & Profession



International Engineering Education Accreditation

- The [Institute of Engineering Education Taiwan \(IEET\)](#) was founded in June 21, 2003 as an independent organization with accreditation of engineering and technology programs as the primary function.
- IEET becomes the sole window for contact in issues related to accreditation of engineering and technology education programs in Taiwan since September 2003.
- IEET was admitted to the [Washington Accord](#) as a Provisional Signatory in 2005 and advanced to Full Signatory in 2007.



Qualification for International Engineers

- The Chinese Taipei APEC Engineer Monitoring Committee under the Chinese Institute of Engineers was accepted by the APEC Engineer Framework in June 2005
- The Taiwanese engineering society was accepted by the Federation of Engineering Institutions of Southeast Asia and the Pacific (FEISEAP) on June 2, 2009, and was admitted to provisional membership of the Engineers Mobility Forum (EMF) on June 24, 2009.



Thanks for your attention!

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