Factsheet on CORENET

Project Details			
1.	Name of agency	:	Building and Construction Authority (BCA)
2.	Project name	:	One-stop CORENET System
3.	Project URL	:	http://www.corenet.gov.sg/
4.	Award category won	:	Shared Systems & Services

What is CORENET?

➢ CORENET (Construction & Real Estate Network) is a one-stop shop for building professionals to make electronic submissions to BCA or any of the other 15 government regulatory authorities from anywhere at any time (24/7), including:

- Agri-Food & Veterinary Authority (AVA)
- Building and Construction Authority (BCA)
- Housing & Development Board (HDB)
- National Parks Board (NParks)
- Urban Redevelopment Authority (URA)
- National Environment Agency (NEA) - Central Building Plan and Pollution Control
- Public Utilities Board (PUB) - Drainage, Sewerage and Water
- Fire Safety and Shelter Department (FSSD)
- Infocomm Development Authrority (iDA)
- Land Transport Authority (LTA)
- Maritime and Port Authority of Singapore (MPA)
- Defence Science & Technology Agency (DSTA)
- Singapore Land Authority (SLA)
- Energy Market Authority (EMA)
- JTC Corporation (JTC)
- City Gas Pte Ltd (as Trustee)

➢ CORENET also provides one-stop electronic information (including codes & regulations, as well as events) relating to building and construction.

➢ **Latest initiative:** 3-Dimensional Building Information Model (BIM) e-submission can be done via CORENET.

Benefits of using CORENET

➢ The **pro-business initiative** has transformed a time-consuming and complex building plan and construction permit submission process into one which is highly efficient.

➢ Since the launch of the system in 2001, the building industry has made over 3.54 million online submissions, with an average of more than 500,000 submissions made annually for the last three years. There are 13,138 registered users to date.

- This has enabled the building industry to **save more than SGD$30 million** in printing and dispatch costs since 2001. Other types of savings reported include manpower, storage and time.

CORENET'S contribution to Singapore's pro-business reputation

- Internationally, the CORENET system has contributed to **Singapore being ranked the fastest in the world to issue construction permits** and the world's most business-friendly economy in the World Bank's Doing Business Ranking for seven years from 2006 to 2012.
- BCA was also awarded with the Autodesk BIM Recognition Award for being the **world's first government body to adopt 3-D BIM online submission** in 2009.
- BCA was invited to conduct a workshop in 2010 for Asia-Pacific Economic Cooperation (APEC) delegates who were keen to learn how BCA reformed the building regulatory system through the one-stop CORENET system.

Key success factors in implementation of CORENET

- *Getting buy-in from key stakeholders*
  - A committee was set up to enable concerns from the key stakeholders to be directly addressed.
  - A comprehensive hand-holding programme was implemented such as mass briefings, phone/on-site technical support, e-kiosks, focus group feedback sessions and incentives to overcome the learning curve.
  - A new national code of practice (SS CP83) on computer-aided design was developed by a private-public sector partnership to standardise computer-aided design and make online submission preparation easier.

- *Building industry capability*
  - After the implementation of the one-stop online system, a three-year transition period was introduced before online submission was mandated.
  - This realistic transition period allowed the building industry professionals adequate time to build up their capability, and allowed the building industry professionals to experience and be convinced of the benefits of the one-stop online system in making it faster and cheaper to obtain construction permits.

- *Sustaining the one-stop online system via close monitoring of system performance and holding regular dialogues with key stakeholders*
  - Over the years, BCA has closely monitored the performance of the online system.
  - BCA has also continued to take the lead in making enhancements to ensure that the online system continues to meet the needs of the industry and enables further productivity gains, e.g. recent enhancements to allow 3-D BIM electronic submissions of plans. These sustained efforts ensure that the one-stop online system remains adequate and relevant.