ICT, The Strategic Enabler Towards A Knowledge Based Society

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Agenda

Introduction to IDA and Singapore

Intelligent Nation 2015 (iN2015)

Sectoral Transformation:

- Transforming the Government
- Transforming the Supply Chain and Logistics Sector
- Transforming the Education Sector
- Transforming the Society



About IDA



A single government agency responsible for the **planning, policy, regulation** and **industry development** of ICT in Singapore

- Infocomm Master-Planner and Developer
 - Formulate national infocomm masterplans, policies and technology road maps to leverage ICT for economic development and social growth
- > ICT Industry Champion
 - Create a conducive, innovative, and competitive infocomm environment that is both pro-consumer and pro-business
 - Develop a vibrant infocomm ecosystem
 - Develop an infocomm savvy and globally competitive workforce
- Chief Information Officer to Government
 - Architect e-government plans and manage infocomm systems deployment in the government





About Singapore

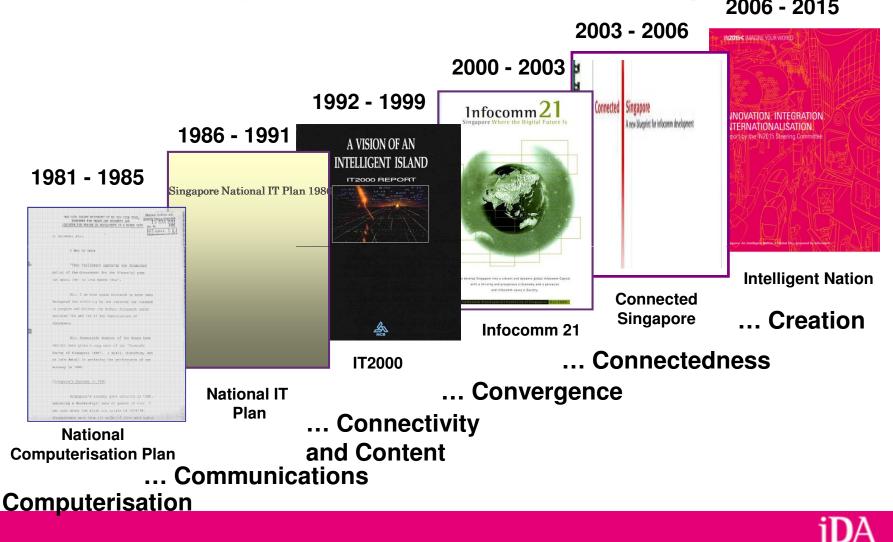
Land Area
Population
GDP
GDP Per Capita
Literacy Rate
Labour Force
Government Agencies
Public Sector Officers

: 707 sq km
: 5.18 million (Resident 3.8 million)
: S\$327 billion (US\$262 billion)
: S\$63,050 (US\$50,123)
: 96.1%
: 3.14 million
: 15 Ministries, 63 Statutory Boards
: > 120,000



Transforming the Nation

ICT as a strategic enabler to drive unlimited possibilities 2006 - 2015



Six National Strategic ICT Plans

National Government Infocomm Plans Infocomm Plans 2010 - 2015Leveraging Infocomm for Innovation, iN2015 Integration and Internationalisation iGov2010 2006 - 2010 Unleashing potential of Infocomm to create e-Government **Connected Singapore** new values, realise possibilities & enrich lives 2003 - 2006 Action Plan II e-Government Developing Singapore as global Infocomm Infocomm 21 2000 - 2003Capital, e-Economy and e-Society Action Plan Transforming Singapore into an Intelligent **T2000** 1992 - 1999Island **Civil Service** Extending government systems to private The National IT Plan Computerisation 1986 - 1991sector e.g. TradeNet, MediNet, LawNet Programme **Civil Service Computerisation Programme** 1980 - 1985 The National Computerisation Plan Developing IT industry & IT manpower



Singapore ICT Landscape

Households with access to computers Internet Penetration to Households Broadband Penetration to Homes Broadband Penetration to Businesses Mobile Phone Penetration 80.0% (2009) 76.0% (2009) 152.1% (2009) 87% (2009) 137.6% (2009)



Singapore ICT Landscape



	2009	2010
Infocomm Industry Revenue (S\$billion)	62.7	70.4
Annual Growth (%)	8.0	12.2
Domestic Revenue (%)	35.5	33.8
Export Revenue (%)	64.5	66.2

Infocomm Industry



Infocomm Manpower

	2009	2010
Infocomm Manpower	140,800	141,300
Annual Growth (%)	1.3	0.4



Households and Individuals

	2009	2010	
Households with Access to Computer (%)	83	84	
Households with Internet Access (%)	81	82	

Business

Business Broadband Adoption (%)	2009	2010
Overall	69	73
< 10 Employees	64	68
10 to 49 Employees	85	88
50 to 199 Employees	95	99
200 & Above Employees	100	99



International Recognition



WASEDA University World eGovernment

2012: 1st since 2009



Ease of Doing Business 2012: 1st since 2007

The Economist **Economist Intelligence Unit**

> **e**Readiness 2010:8th

Economist Intelligence Unit The Economist

> **Benchmarking IT Industry** Competitiveness 2010:8th

WØRLD ECØNOMIC FORUM

Competitiveness Index COMMITTED TO IMPROVING THE STATE OF THE WORLD



ECONOMIC Global Information Technology Report

The Global

2011: 2nd

2011: 3rd

2012: 2nd COMMITTED TO IMPROVING THE STATE OF THE WORLD

World Competitiveness Yearbook

United Nations E-Government Survey 2012: 10th



iN2015 < An Intelligent Nation, a Global City, powered by Infocomm



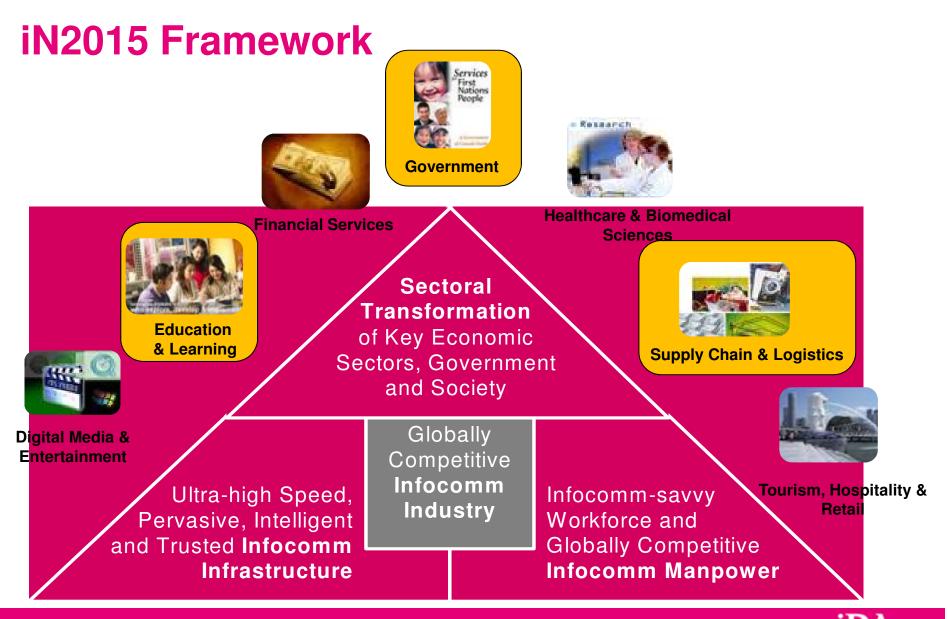


iN2015 Desired Outcomes

- Enriched lives through infocomm
- Enhanced economic competitiveness and innovation through infocomm
- Increased growth and competitiveness of the infocomm industry





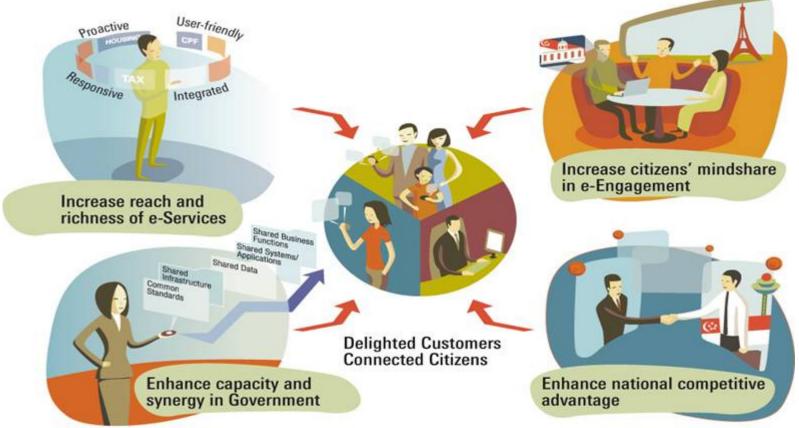


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Transforming the Government

To be an Integrated Government that delights customers and connects citizens through infocomm



IDA

Transforming Government Services



eCitizen:

Govt-to-Citizen Portal •1,600 government's e-services



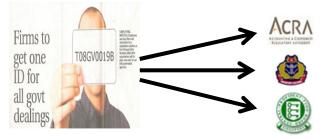
Online Business Licensing Service:

Govt-to-Business PortalOver 80 licensing services onlineOver 30,000 business applications online annually



SingPass:

One password to access govt e-services •Over 3 million registered users •Over 31 million transactions annually



One Unique Identification Number for Each Entity to Interact with Government Agencies

• Over 400,000 entities (companies, societies, associations etc.)



M-Gov:

•Over 300 mobile govt services •Top 20 "Innovations in Transforming Govt Award" by Harvard University & IBM

•Top 10 finalist for CAPAM International Innovations Award



Collaborative Government (2011-2015)

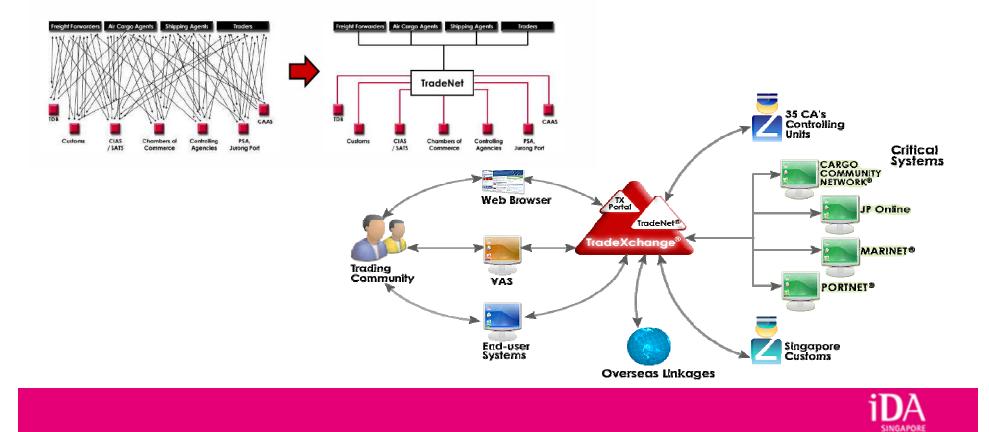
To be a Collaborative Government that co-creates and connects with our people



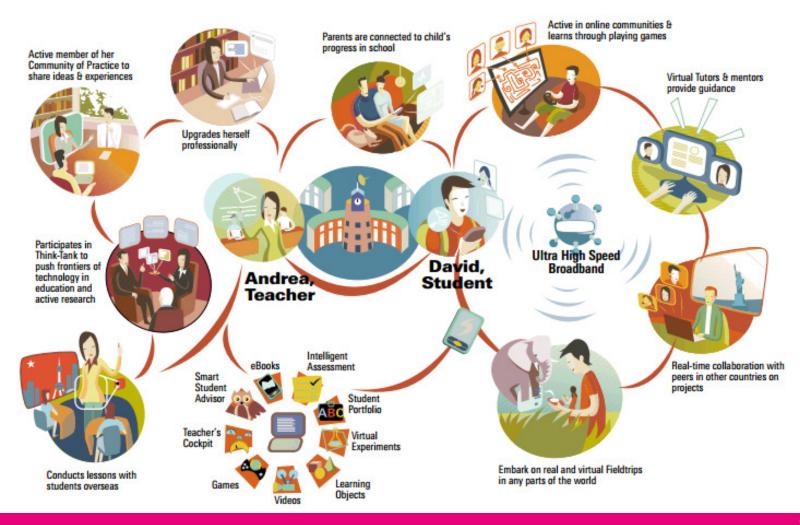


Transforming the Supply Chain and Logistics Sector

World's first nationwide trade clearance system integrating 35 controlling units' requirements with 7,000+ business rules serving 12,000 users with a volume of 30,000 – 40,000 trade declarations daily



Transforming the Education Sector EdVantage



SINGAPORE

Empowering Learners and Engaging Minds, through Infocomm

Today	2015
Teacher centric	Learner centric
Learning in the classroom	Learning beyond the classroom
Didactic learning	Collaborative and investigative learning
Reliance on textbooks	Reliance on "real life" or virtual experience
Local learning resources and expertise	Global learning resources and expertise



LearningSelf-Directed LearningParadigmsCollaborative Learning21st Century Learning





Edvantage Approach

School-wide Transformation

Transform the learning and teaching experience in the whole school

Innovation Generation

Experiment new areas of education technology

Mass Deployment

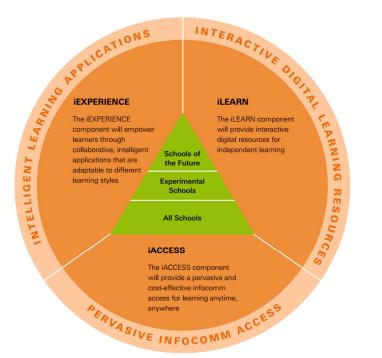
Support MOE in rolling out systems to all schools



Infocomm@All Schools

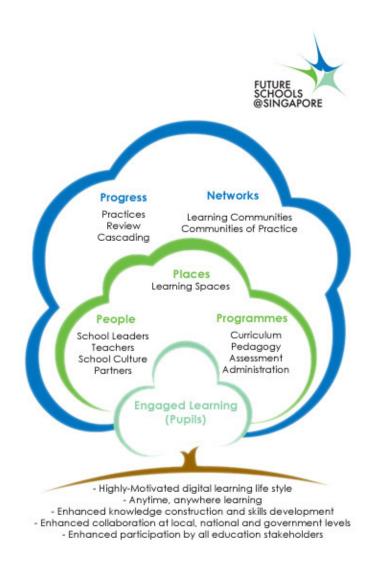


FutureSchool@Singapore



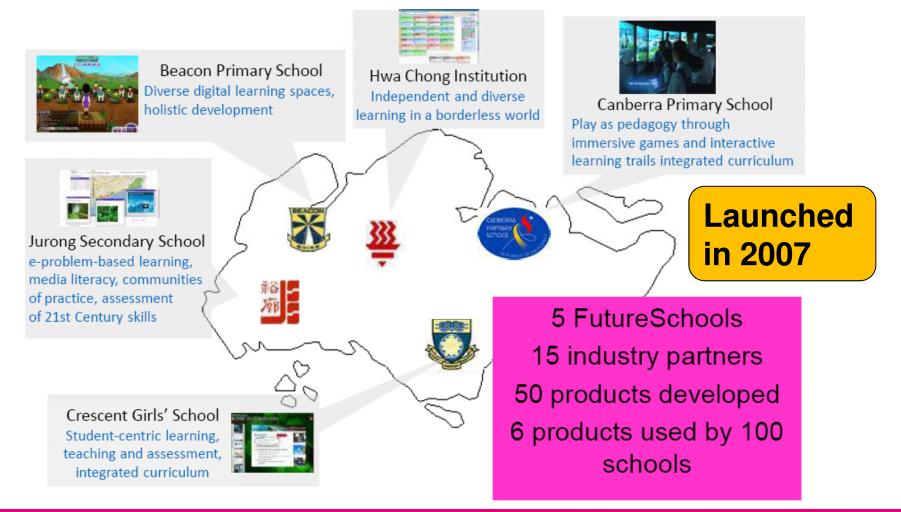
http://www.youtube.com/watch?v=gWGeluaneWU

Innovative curriculum, pedagogies and assessment programmes for engaged learning





FutureSchool@Singapore





FutureSchool@Singapore Phase 2



- Assess students' progress on content mastery
- · Provide scaffolding agent to guide learning



SCHOOL OF SCIENCE AND

TECHNOLOGY, SINGAPORE

Transforming the Society

Increasing infocomm sophistication for a vibrant digital lifestyle



Live SearchImage: Constraint of the search searchImage: Constraint of the search search



Transform people sector organisations Encourage sophisticated use of infocomm



Transforming the Society

Digital Opportunities for All and Building an iNclusive Digital Society



CitizenConnect to provide Internet access and personal onsite support to those with difficulties transacting online

IDA



"Didn't you get my e-mail?"



SINGAPORE: AN INTELLIGENT NATION, A GLOBAL CITY POWERED BY INFOCOMM

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