

**THE SMART SCHOOL INTERNATIONAL  
CONFERENCE, KUALA LUMPUR, MALAYSIA  
(16TH – 18TH APRIL 2007)**

# **Smart Standards for Smart Schools**

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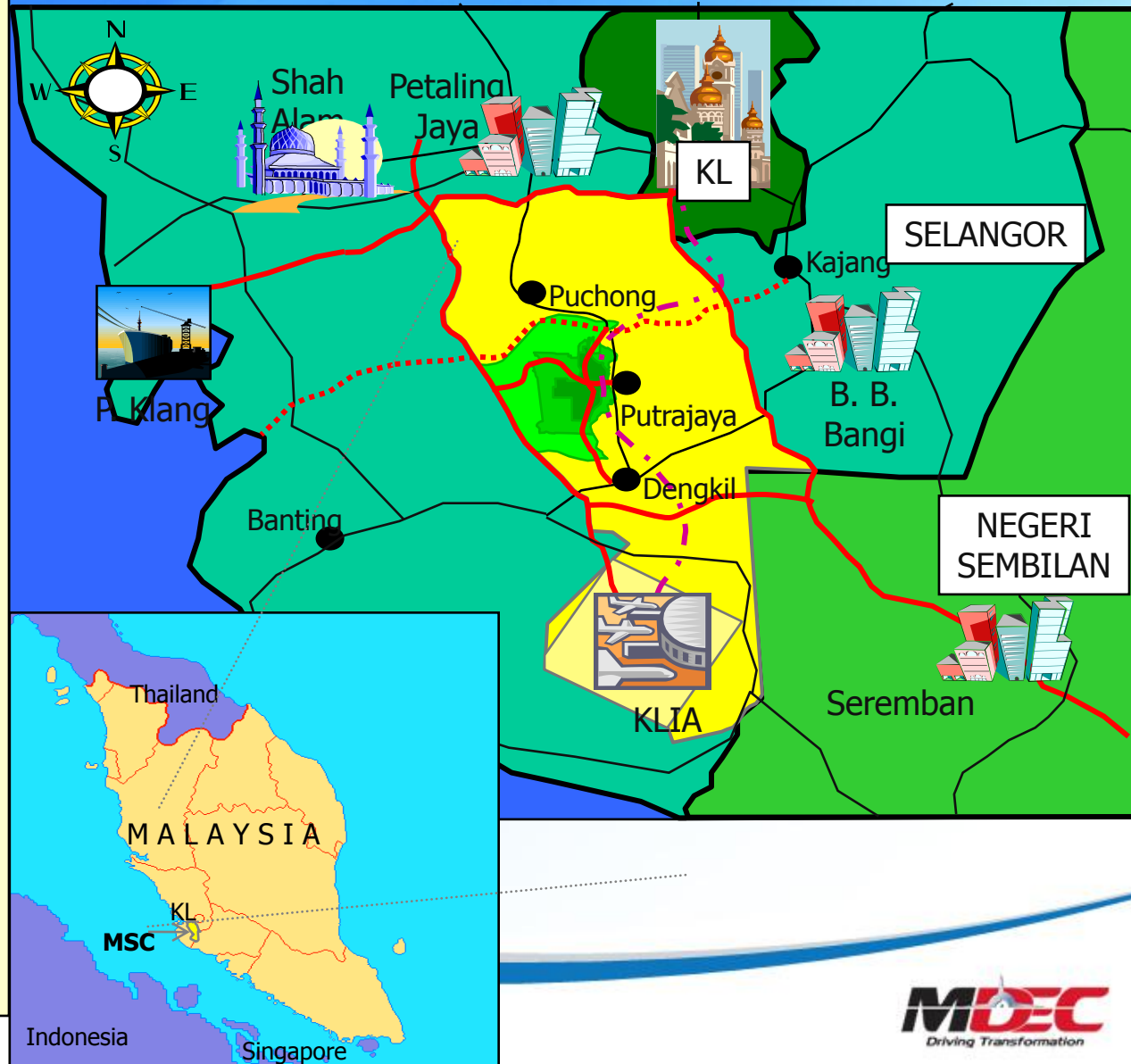
# AGENDA

- **MSC Flagship Applications**
- **Programmes for 88 Smart Schools**
- **Challenges**
- **On-Site Monitoring Programme**

# MULTIMEDIA SUPER CORRIDOR (MSC MALAYSIA)

## MULTIMEDIA UTOPIA

- ◆ 15x50 km garden corridor
- ◆ Special cyberlaws, policies and practices
- ◆ World-class physical infrastructure: 2.5-10 Gb network
- ◆ 'Test-bed' for new ideas
- ◆ Global community comprising Knowledge Society



# Why MSC Malaysia?

## ECONOMIC



- ◆ Erosion of comparative advantages in traditional sectors
- ◆ Capitalise on ICT / Multimedia opportunities and create new growth engine

## SOCIAL



- ◆ Digital Divide
- ◆ Roll-out ICT benefits

## GLOBAL



- ◆ Challenge of globalisation

**Migrate Malaysia Seamlessly into the Knowledge-Based Economy**

# MSC Milestones

PHASE ONE

2003 TILL 2010

Grow MSC into a global ICT hub

Web of corridors

10,000 ICT companies incl  
3,750 MSC Status & 250  
MSC Global companies

245,000 jobs & RM69bil  
revenue & RM28bil exports

Enhance local ICT Industry

Enhance current flagships

Leadership towards  
harmonized global  
framework of cyberlaws

Link to world leading  
intelligent cities

My Malaysia, MyMSC

PHASE THREE

3

2020

Attain leadership  
in the Knowledge  
Based Economy

Form Malaysia into a  
knowledge society

Malaysia

World-class companies

Test-bed for new  
media applications

National CyberCourt of  
Justice in MSC

Net ICT exporter

Intelligent cities linked to  
information highway



# Leapfrogging Malaysia into the Information Age

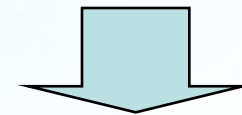
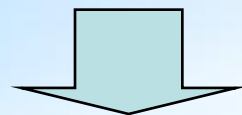
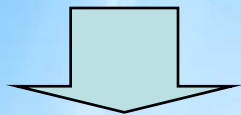
Accelerate growth of MSC as a Global ICT Hub and thus bring in **Foreign Investments**



Roll out of the MSC to the rest of the country to enhance and **develop the local ICT industry**



Contribute to the **socio-economic development** through the MSC flagship applications



Extending the MSC benefits to the **WIDER COMMUNITY**

# MSC Flagship Applications



**SMARTCARD**



**TECHNOPRENEUR  
DEVELOPMENT**



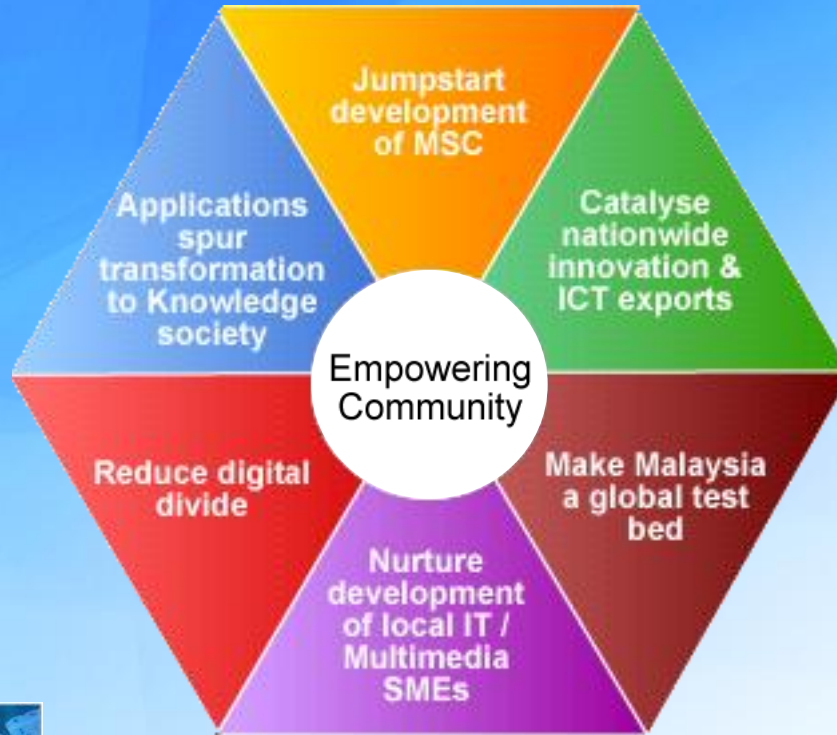
**E-BUSINESS**



**R&D CLUSTER**



**TELEHEALTH**



**ELECTRONIC  
GOVERNMENT**



**SMARTSCHOOL**

# Smart School Flagship : Pilot

The Smart School Pilot Project has been completed on December, 2002  
(Level A : 6 schools, Level B+ : 2 schools, Level B : 80 schools)



Malaysian Government  
(Ministry of Education)

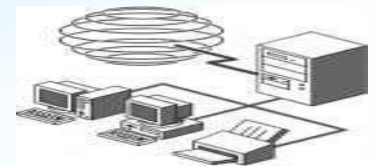


MDeC



Teachers and principles  
trained in use of Smart  
school applications

A Smart School  
Management System  
with 9 modules for  
major school functions



ICT infrastructure and  
system in 88 schools

1494 courseware titles for 4 subjects  
(Bahasa Melayu, Mathematics,  
Science and English) various printed  
materials

Support Services  
- HelpDesk



A Data Centre



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# Sustaining 88 Smart Schools

- **Monitoring**



**On-Line**



**On-Site**

- *Smart School Qualification Standards (SSQS)*
- *Star Ranking*
- *Training / Professional Development*

- **Enhancing Technical Support**



- **Programme Management for Development and Deployment of Enhanced and Support solutions**

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# Utilization of ICT Provisions: Some Challenges

## Some Global Perspectives:

✓ Despite teachers...having positive visions about the Internet ...its potential as an innovative tool for learning was, to a great degree, unrealised. - Sven B. Andersesson, Sweden

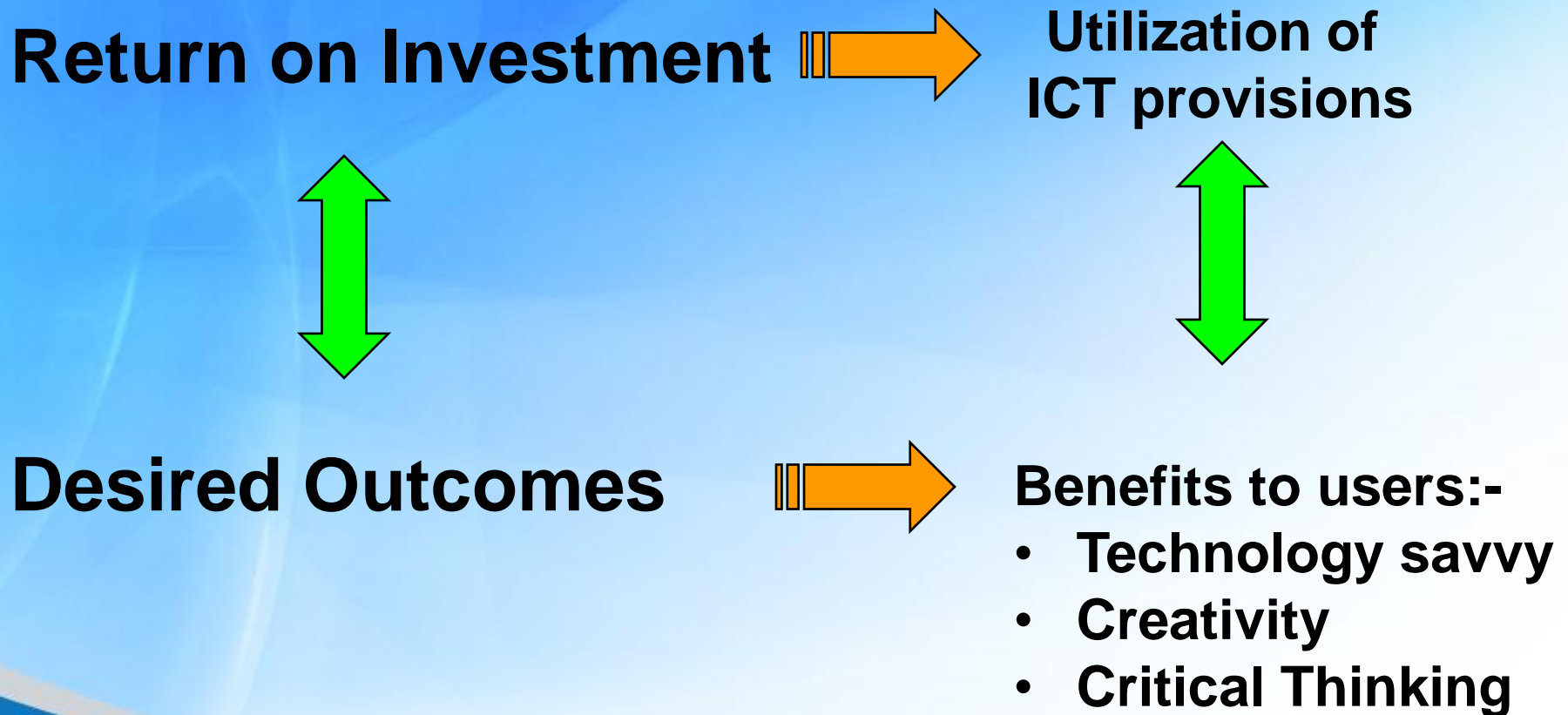
✓ The problem is not technology but...human resource. The problem is that not all teachers are open to the idea of using the courseware, despite the fact that they know that it is the web-counterpart of the book.

...they (teachers) observed that the students participated more in class, had lesser failures and became more enthusiastic in using the material the teachers had developed. - C. J. F. Orgate et. al, Philippines

Source: British Journal of Educational Technology, Vol. 37, No. 5, 2006

✓ The British Educational Technology Agency (BECTA) study (2007) shows that utilization of ICT is at 15% for the school sector in the UK.

# Need to Address:-



## Tools

## Desired Outcomes

### Initial

- Smart School Qualification Standards (SSQS)
- Star Ranking
- Targets

### Enculturation

- Technology Savvy
- Creativity
- Critical Thinking

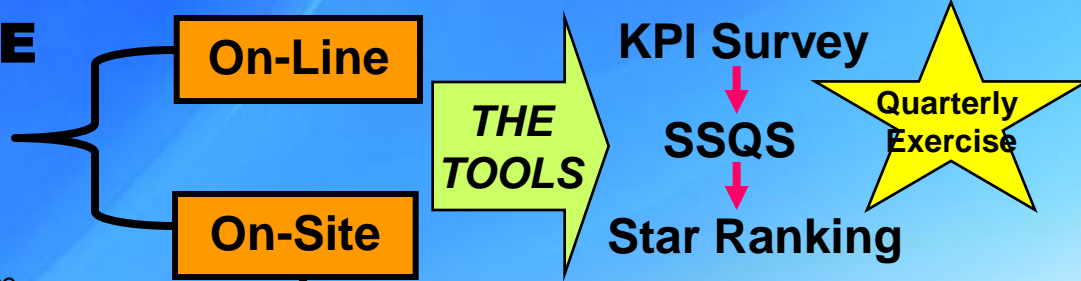
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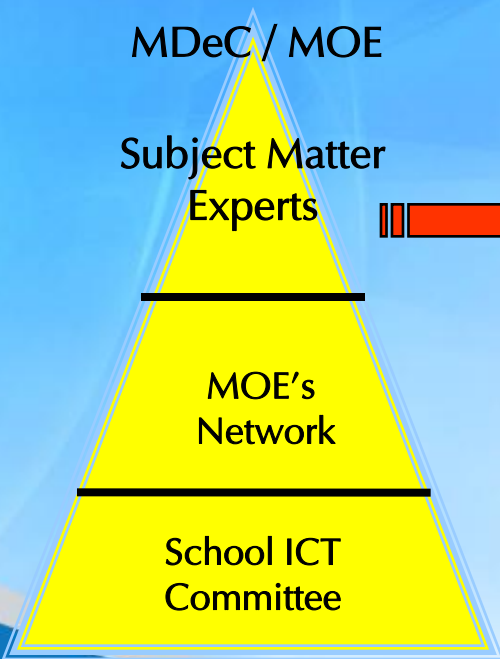
# MONITORING PROGRAMME

## Broad Objectives:

- To monitor the schools' implementation of their action plans
- To ensure activities and programmes are addressing the gaps/weaknesses identified in the survey forms
- To maintain and improve the schools' star ranking performance



## IMPLEMENTATION STRUCTURE



## STRATEGIES

- ❖ ICT Enculturisation in schools
- ❖ Enhance schools' Optimization of ICT provisions

## THE APPROACH

- Coach schools to develop and implement unique school-based action plans i.e. in-house training by teachers in integrating ICT in T&L, ICT integration competitions among students etc.
- Monitor the process of ICT integration by teachers in Teaching and Learning
- Teachers' Professional Development Programmes
- Focus on 47 schools for 2007

## OUTPUT

- REPORTS
- REPORTS
- Overall and individual schools' star ranking
  - On-Site Monitoring Model
  - 47 School-based Training Modules
  - 47 Monthly on-site monitoring reports
  - 940 monthly site visits reports
  - School-based action plans and strategies
  - Enculturation model 'ICT integration in T&L and administration
  - Pre-service curriculum paper for smart school

Jan 07

Local Audit

Dec 07  
International Audit

# Micro - Strategies

- Focus on 47 schools for 2007
- 24 Subject Matter Experts (SMEs) deployed
- Each SME coaches 2 schools
- Site visits at least once a month
- Identify gaps and challenges
- Develop strategies and refine school-based action plans

**Thank you**  
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