

Enhanced E & M Services via Integrated Building Management System, Remote Monitoring Unit, and Geographic Information System

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機電工程署
EMSD



Organisers:

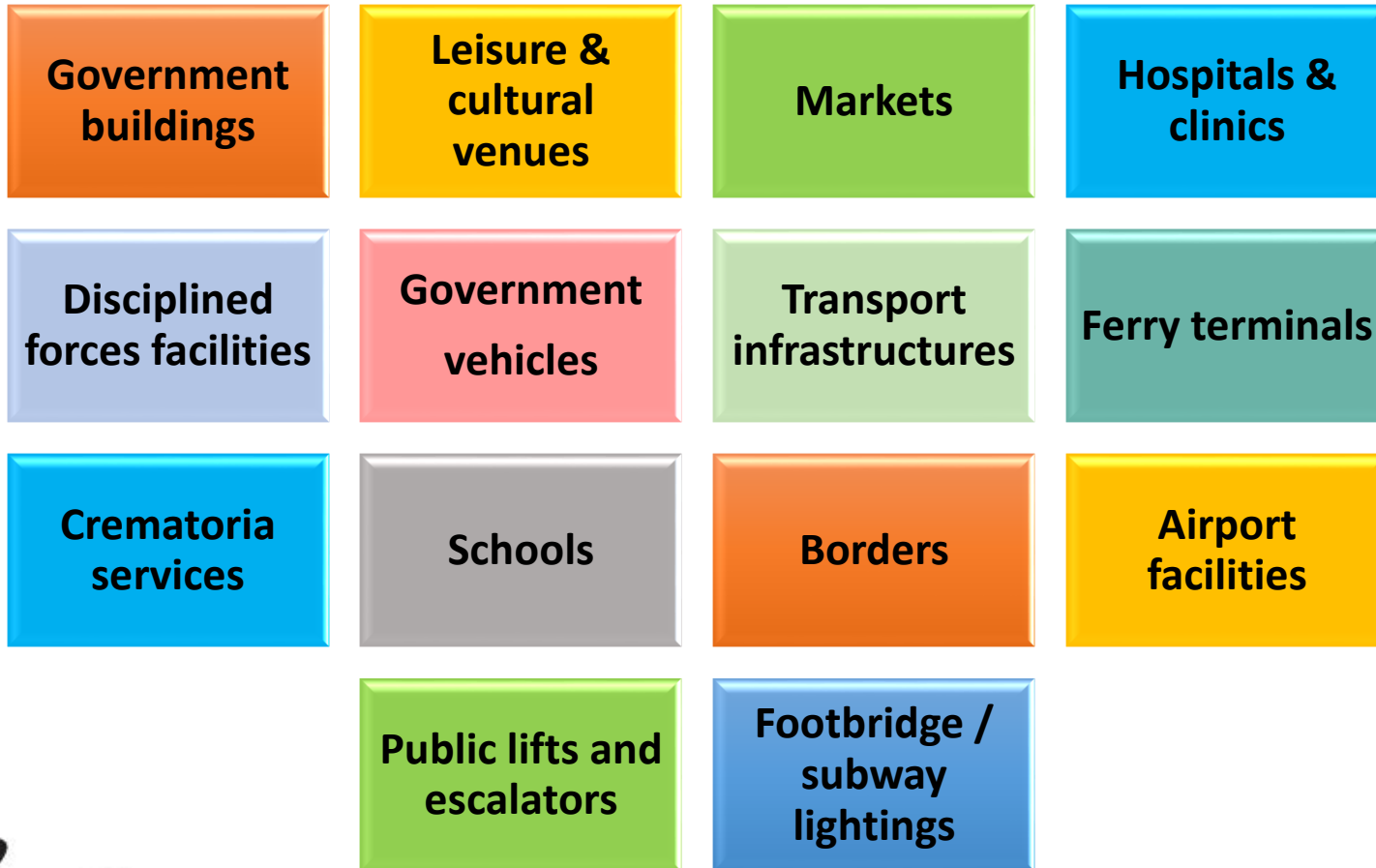


International Co-owners:



Electrical & Mechanical Services Department

Our E&M services portfolio



Organisers:



International Co-owners:



Sustainable Buildings and Climate Initiative
Promoting Policies and Practices for Sustainability



Global Alliance
for Buildings and
Construction

Dispersive Equipment Location



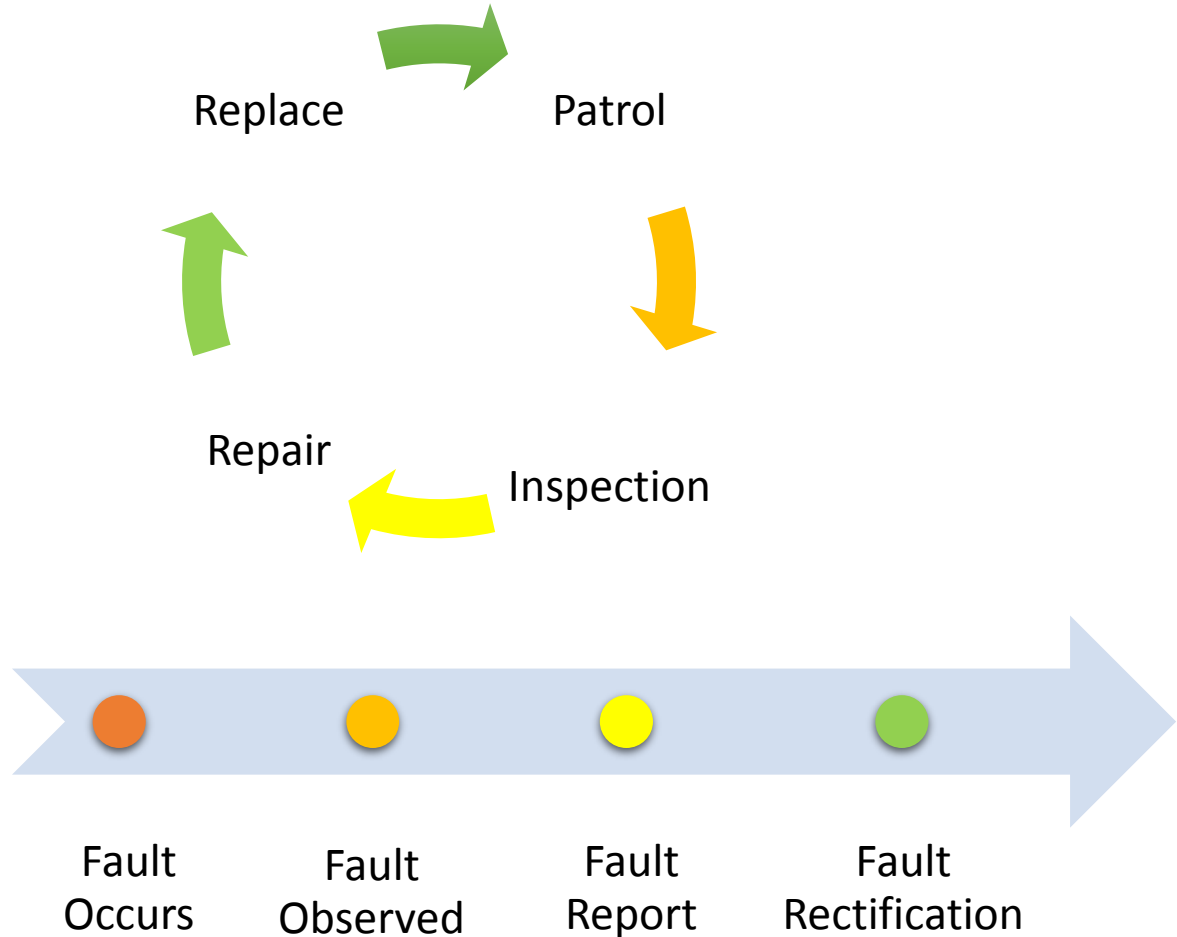
Organisers:

International Co-owners:

Traditional Maintenance Strategies

Preventive Maintenance

Corrective Maintenance



Data-driven Era

Internet

Mobile Technology

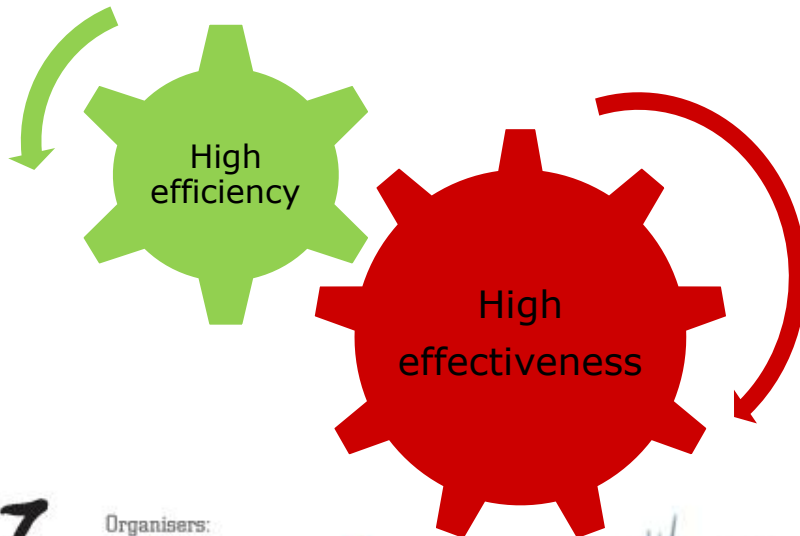
Sensors



IoT

Cloud Service

Big Data



Organisers:



International Co-owners:



New Norms of E&M Services Needs



Data-driven Changes to E&M Services

Traditional Maintenance Strategies
Preventive and Corrective Maintenance



Systematic Asset Management Strategies

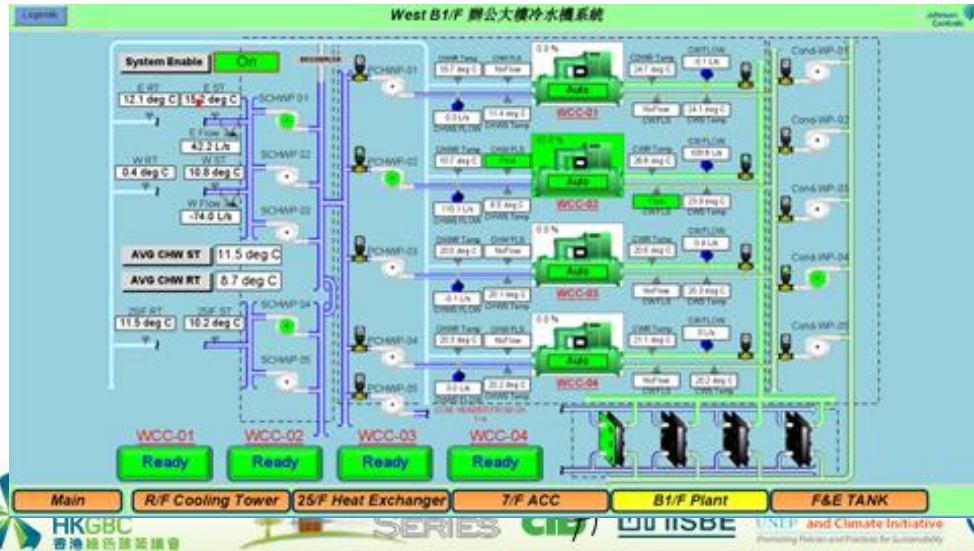
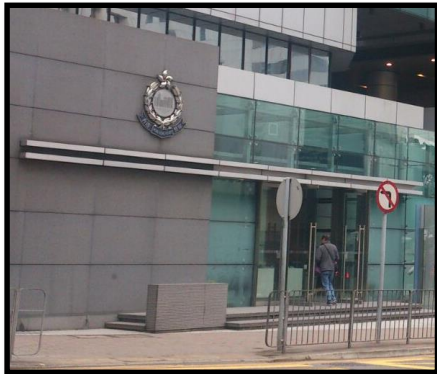
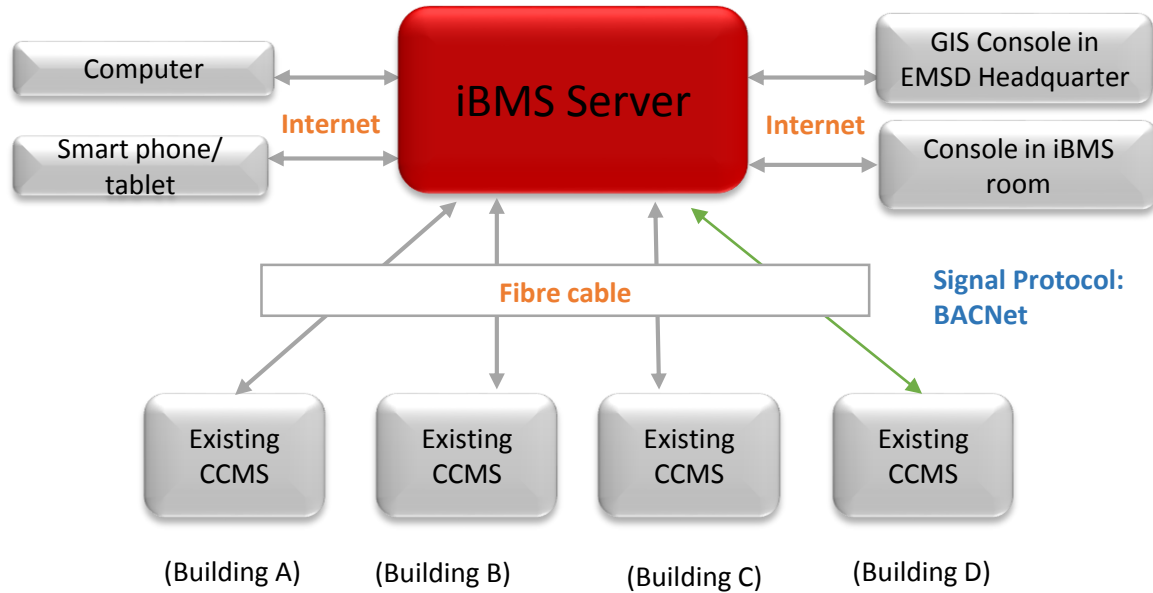
Real-time Sensing

Information Sharing

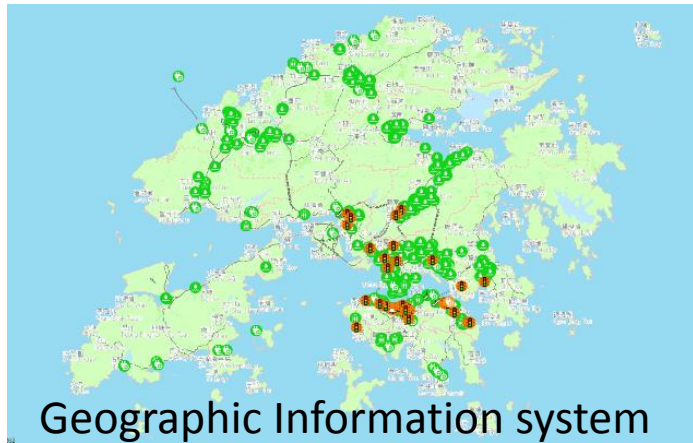
**Data Analysis/
Decision -
Action**

Life Cycle Management

Integrated Building Management System (iBMS)



Geographic Information based remote monitoring system



Electrical Distribution Equipment



Footbridge Lift



Footbridge Escalator



Ventilation for Public Transport Interchange



Traffic Lights



Subway Lighting and Sump Pump



Integrated BMS



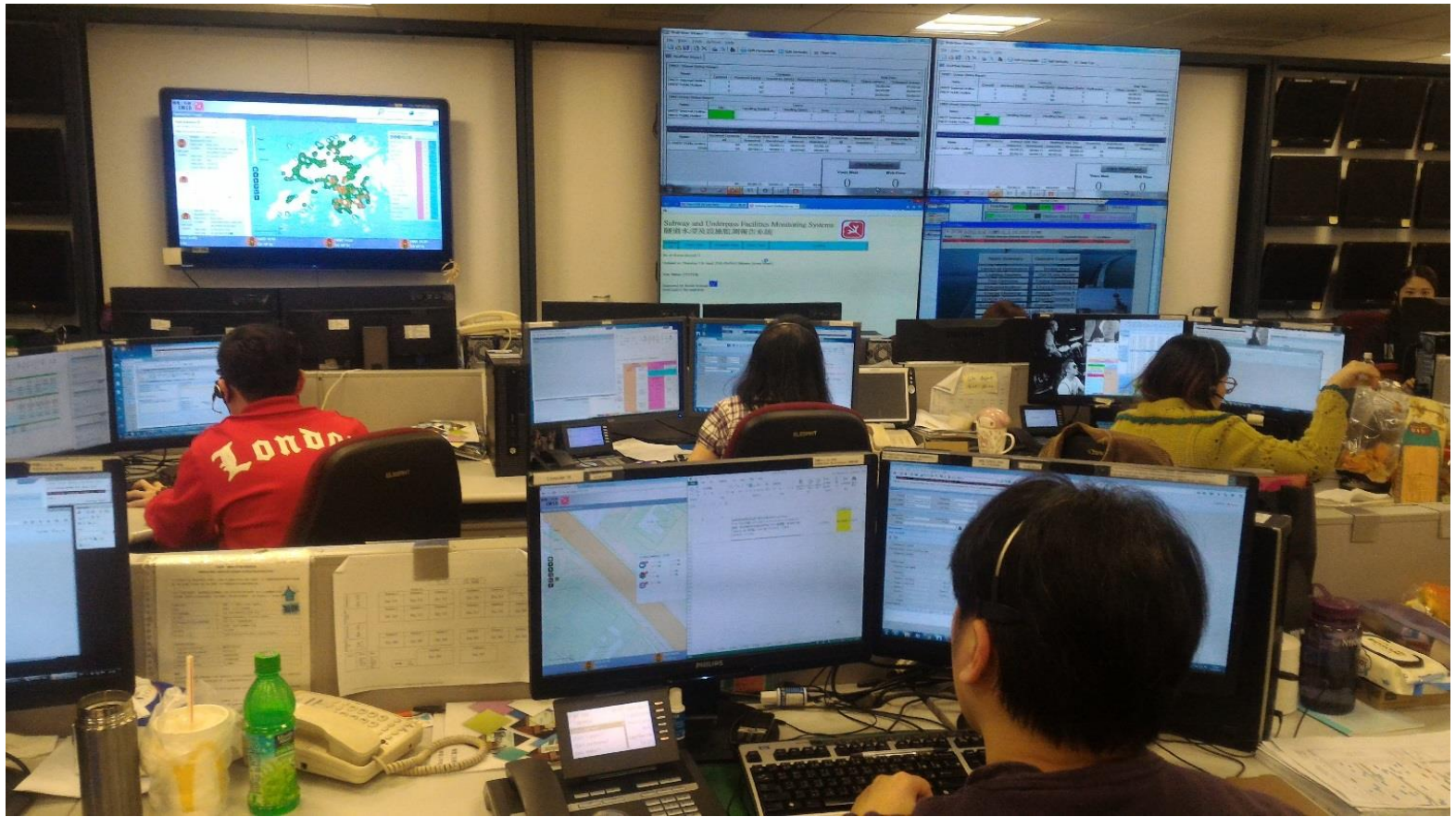
Organisers:



International Co-owners:



EMSD Information Service Centre



Organisers:



International Co-owners:



Conclusion

SMART E&M SERVICE

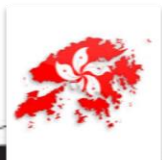


Data Acquisition

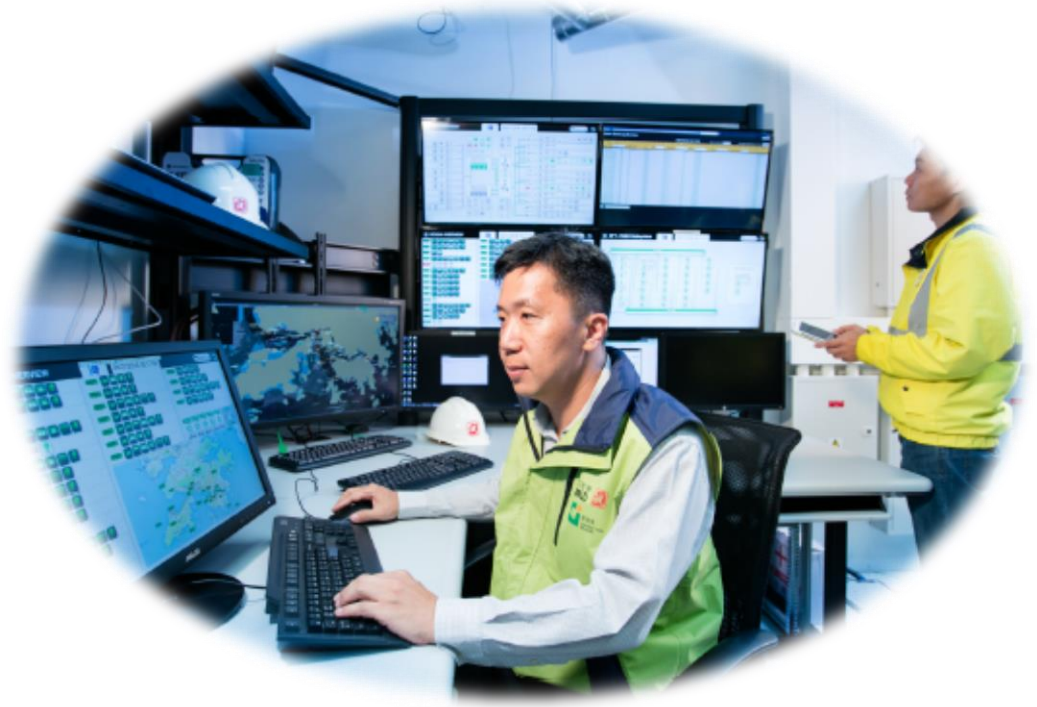


Information Sharing

Change Mindset & Behavior



Better resources allocation



Thank you



Organisers:



International Co-owners:

