

12th Asia-Pacific Eco-Business Forum in Kawasaki

Session 1

Global enterprise roles as a driving force to promote Eco-cities in Asia

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Agenda



- Technical Computing Solutions Worldwide
- Experiences of Environment Management Project in Saudi Arabia
- Ongoing Activities for Eco-city in Indonesia with National Institute for Environment Studies (NIES)



Technical Computing Solutions Worldwide

Solutions Offerings Worldwide







National Astronomical Observatory of Japan "Subaru Project"



Singapore

A*STAR
"HPC Platform"



Chile

ALMA "ALMA Project"



Thailand

Map Ta Phut Industrial Estate "Atmospheric Monitoring system"



Wales

HPC Wales "HPC Platform"



Taiwan

Central Weather Bureau "HPC Platform"



Saudi Arabia

MODON "Environmental Monitoring system"



Australia

Australia National Univ. "HPC platform"



Indonesia

NIES Energy Mgmt. System for a "Low-Carbon City"

Fields in Technical Computing







Supercomputing



High Performance Computing



Engineering



Meteorology



Astronomy



Space



Environment & Disaster Mitigation

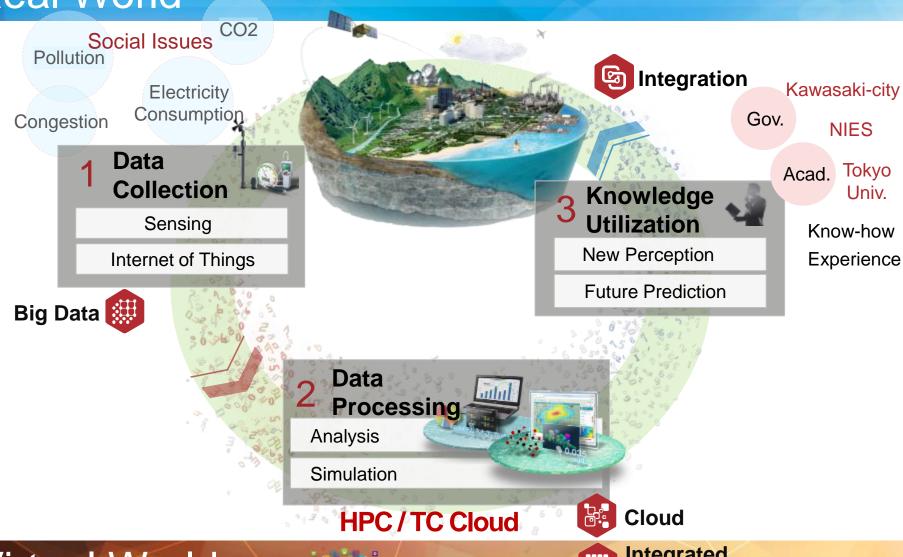


New Initiatives

Roles of Global Enterprise for Eco-city











Experiences of Environment Management Project in Saudi Arabia

Environmental Service



Total environ management to protect and enhance the environment

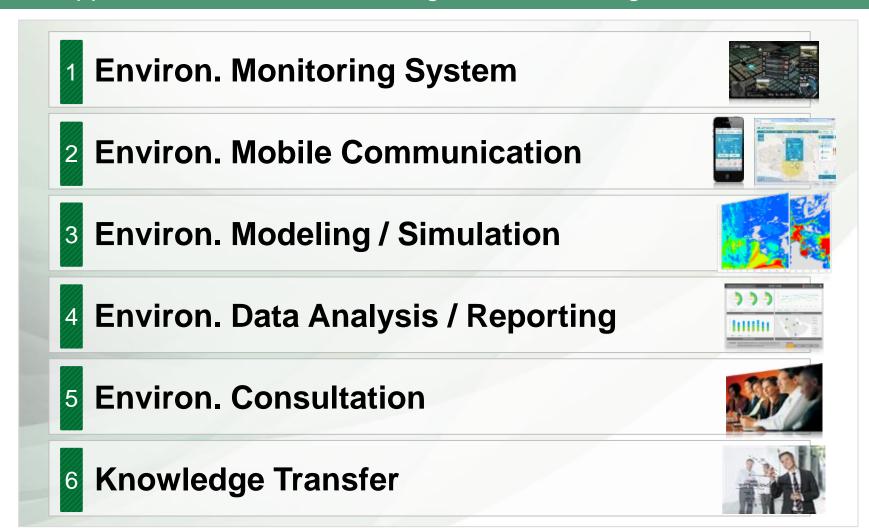


Customer Needs & Our Offerings



Eco Industrial City

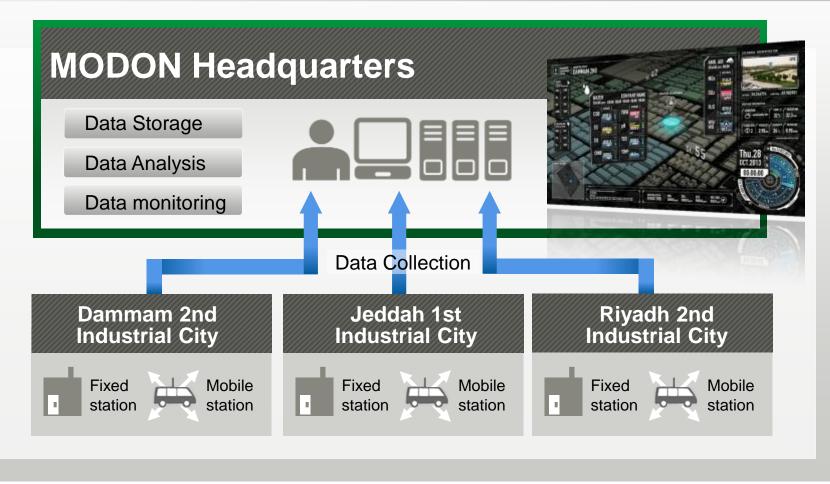
To support and control sustainable growth for existing and new industries



System Diagram

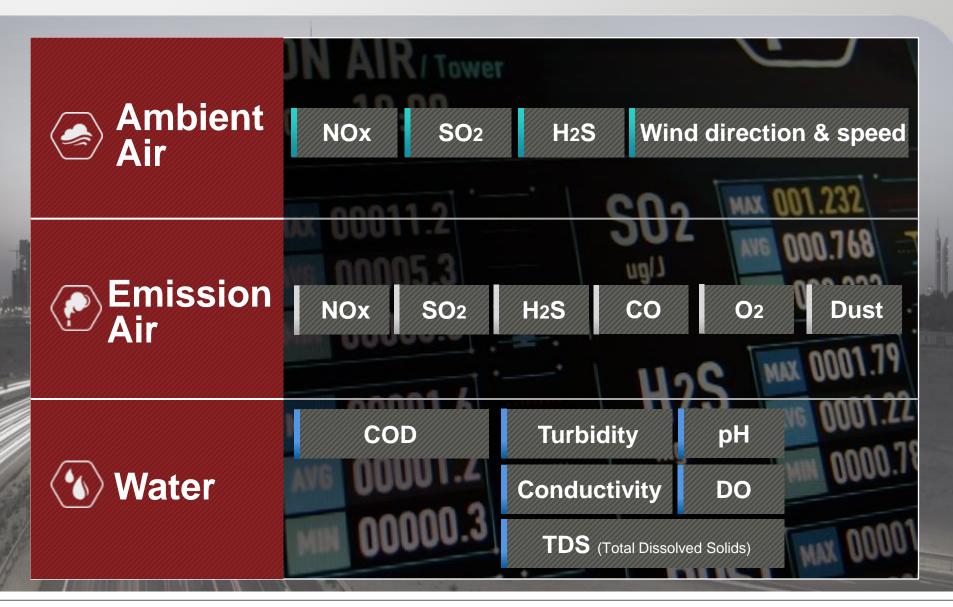


Environmental Management System Overview



Monitoring Properties





Partnership – Team Japan







Team Japan



International collaboration team has made up the system.







Monitoring application for the system administrators

GREENAGES 3D Visualizer



Integrated viewer for publication purposes

Visualization for better understanding



Ongoing Activities for Eco-city in Indonesia with NIES

Toward Low Carbon Society in Indonesia





- Energy use monitoring at various types of facilities in the city (commercial / housing)
- Human activity monitoring to improve energy efficiency
- Demand-side energy mgmt. for JCM*

*JCM...Joint Crediting Mechanism







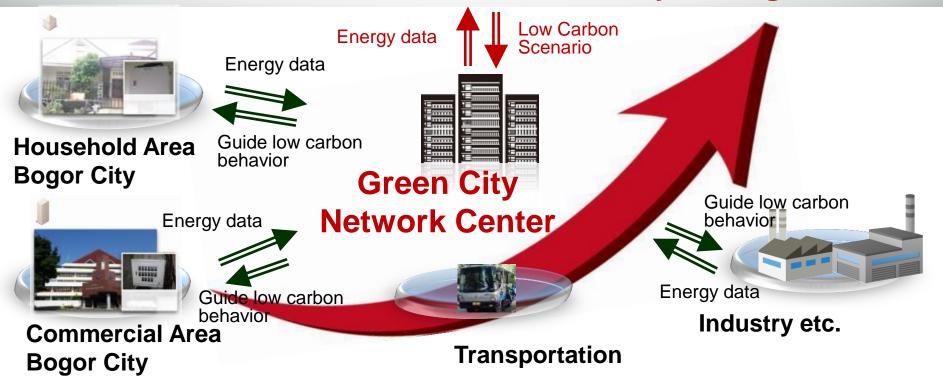
Smart ICT network will promote and complement the synergetic network functions among multi stakeholders

Social Monitoring

2 Low Carbon Scenario

3 Co-Action for Future Green City

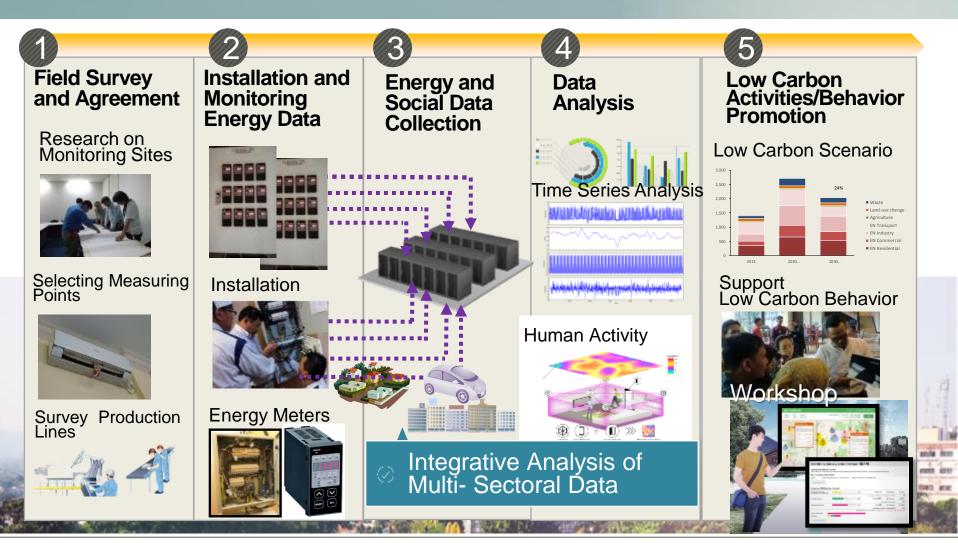
Scientific and Feasible Solutions and Roadmaps toward Green and Low Carbon Future City of Bogor

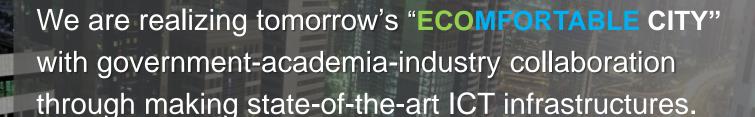


Our ongoing Roles for Eco-city



- Visualization of electricity consumption. Supporting demand side management of urban energy consumption for promoting a low carbon society.







Services focused on Safety and Peace-of-Mind



Smart Parking



Smart Surveillance



Biometric Security

Effective data use and ICT infrastructure



Environment & Energy Management



Emergency Management



Traffic Information Management



A



Deep Learning



In order to create new value from information, we offer:



Data Fusion



Modeling





Simulation

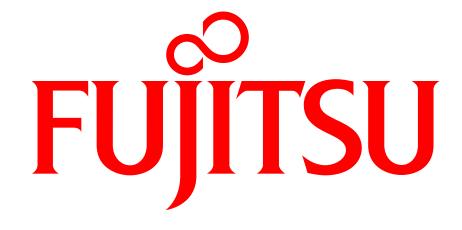








HPC



shaping tomorrow with you

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