11th Asia-Pacific Eco-Business Forum in Kawasaki (Feb 4, 2015)



Fujitsu's Environmental Solutions for Sustainability and Beyond

Env. Management Project in Saudi Arabia

Nakamura Seiichi Technical Computing Solutions Unit **Fujitsu Ltd.**

Fujitsu at a glance



Headquarters:

Tokyo, Japan

Established:

1935

President:

Masami Yamamoto

Principal Business Areas:

Technology Solutions
Ubiquitous Solutions
Device Solutions

Employees:

162,000 worldwide

Net Sales:

US\$46.2 billion

R&D Expenditure:

US\$2.2 billion (Approx. 4.6% of Sales)

The World's fourth, Asia's largest ICT service provider

Our Products and Services



Technology Solutions

Services







Our datacenters in the world

Systems platform







FUJITSU Server PRIMERGY



FUJITSU Storage ETERNUS

Ubiquitous Product Solutions



FUJITSU PC LIFEBOOK

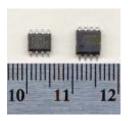


FUJITSU Smartphone STYLISTIC

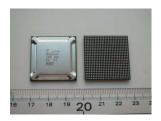


FUJITSU Tablet STYLISTIC

Device solutions



FRAM (Ferroelectric Random Access Memory)



Graphics Display Controller



Image Processor

Why Environment Management?

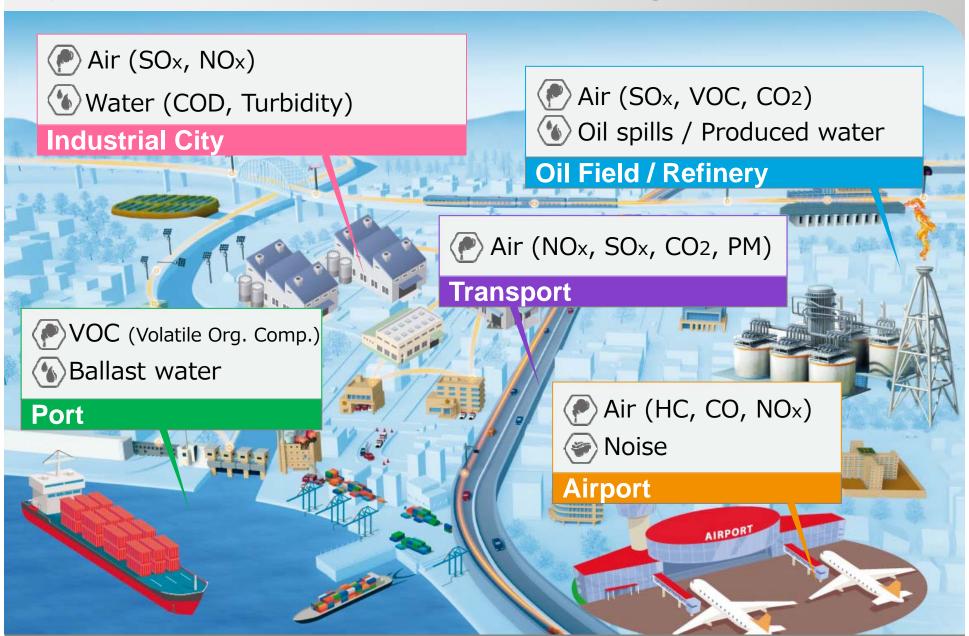


- Rapid Growth in the Middle East -



Typical Environmental Challenges





Environmental Solutions Summary



Fujitsu offers a "one-stop solution" and customizes it following your environmental objectives and challenges.



1 Environ Monitoring



Application Solution

2 Environ Mobile Communication



3 Environ Modeling / Simulation



4 Environ Management Dashboard



5 Environ Data Analysis / Consultation



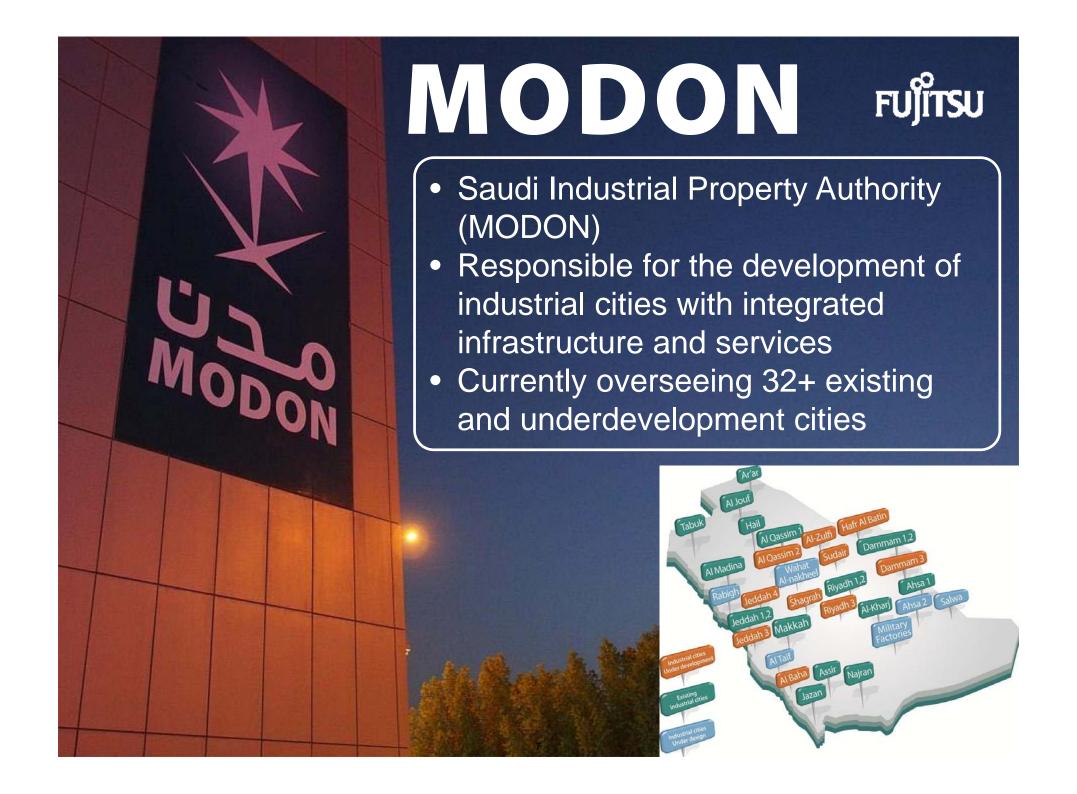


Green Policy Products

Data Center, Servers







Environmental Challenges





Air and water pollution from factories

Only regulations exist; no factory inspection/guidance



Unhealthy working conditions



Over capacity; no env. master planning

Limited human resource



Customer Needs & Our Offerings



Eco Industrial City

To support and control sustainable growth for existing and new industries

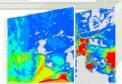
Environ. Monitoring System



Environ. Mobile Communication



Environ. Modeling / Simulation



4 Environ. Data Analysis / Reporting



Environ. Consultation

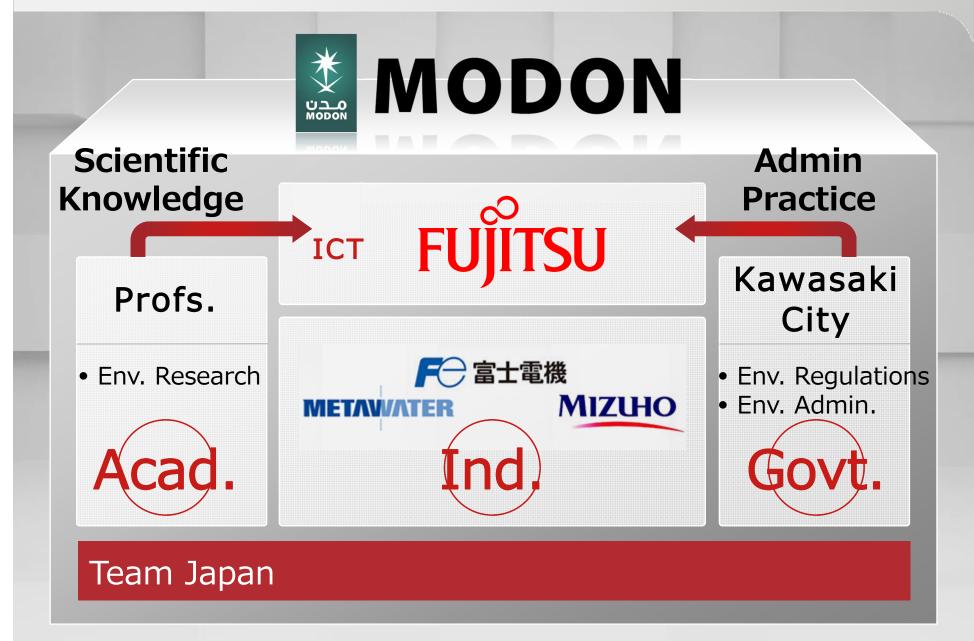


6 Knowledge Transfer



Partnership – Team Japan





Environ Monitoring: GREENAGES

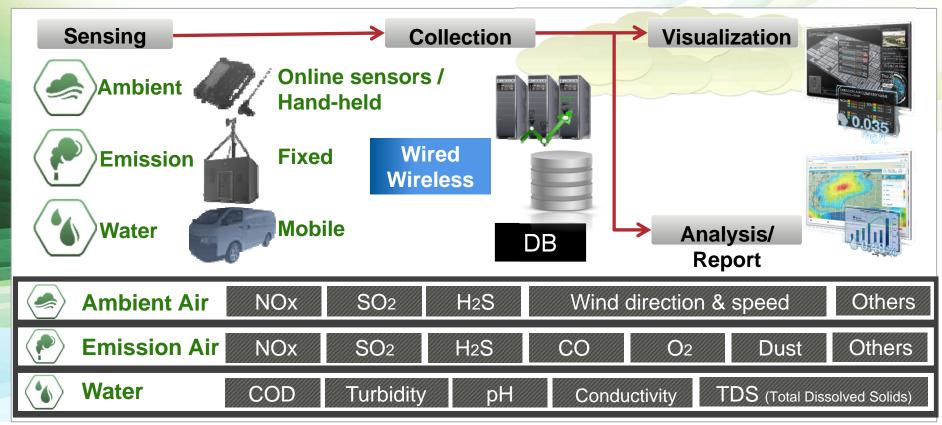




A flexible system according to the customer needs or goals

Customer benefits

- Real-time data sensing & collection
- Various kinds of properties can be measured and collected
- Integrated data management : All collected data can be stored in the centralized DB.







Monitoring application for the system administrators

GREENAGES 3D Visualizer



Integrated viewer for publication purposes

Visualization for better understanding

Environ Mobile Communication





Environmental data publishing with smartphones / tablets

Customer benefits

Interactive communication enables the users to both check environmental data in real-time and to upload situation updates at the measurement locations.







Environ Modeling & Simulation





Decision-making tool to prevent environmental risks and disasters with precautionary-based simulations

Customer benefits

- Estimate the impact on the surrounding areas
- Trace back particulate diffusion to a likely source
- Prepare an evacuation plan
- Predict photochemical warnings





Environ Data Analysis / Reporting



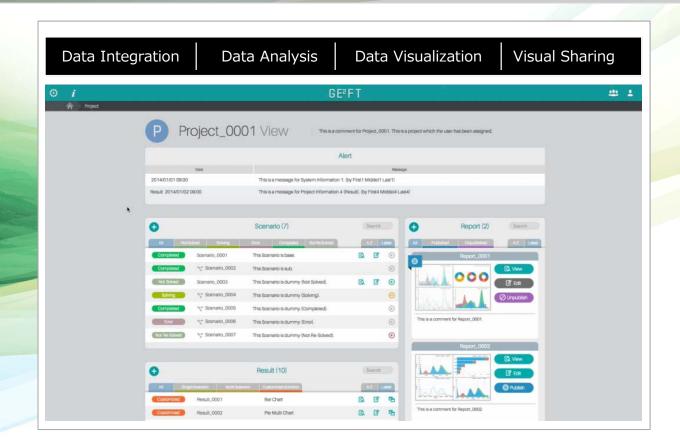


benefits

Big data analysis, evaluating and optimizing the balance of environ & economic activities with the expert

Evaluate the efficiency of the environmental protection activities by comparing the expenditure and economic benefits

Evaluate the predicted environ impact when starting a new project



- 1 Environmental Enhancement
- 2 Factory Inspection Program
- 3 Factory Permitting Procedures
- 4 Green MODON Master Planning



Consultation

for improvement and better management





- 1 Env. Symposium / Workshop
- A tour of inspection of Japanese Best Practice
- 3 Hands-on Training / Manuals
- 4 Standard Operating Procedure

Knowledge Transfer

We closely work with you.



Smart City Solutions for Sustainability and Beyond



Environment Management



Safety & Security



Disaster Management



Energy Management



Transport

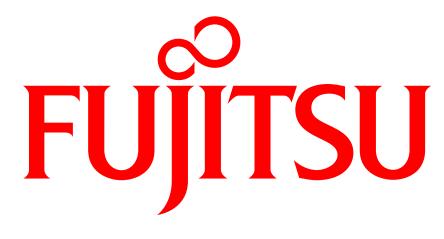


GIS



Agriculture





shaping tomorrow with you