



Introduction of Cooperative Activity between HCMUT & ATK



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**ASANO TAISEI KIOSO ENGINEERING
CO.,LTD.**



Today's Topics



1. Introduction of ATK
2. Cooperative Activities between HCMUT and ATK
 - ✓ Background & Objectives
 - ✓ Activity



1. Introduction of ATK



- Established in 1962, as “TAISEIKISO SEKKEI CO.,LTD.”, a leading company in Geotechnical Engineering in Japan
- Affiliated “ASANO KENKO Co.,Ltd.”, specialized for Groundwater& Hot spring Development, in 2011
- “Structural Division” inspects health condition of structures against earthquakes, and design optimum countermeasures, i.e. reinforcements or seismic isolation etc.
- ATK’s Mission is “To Make a difference to build better world with ATK’s Technologies & Knowledge”



1. Introduction of ATK

- Headquartered at Tokyo
- 6 branches across Japan
- 1 **Technical Institute** at Yamanashi Prefecture
- Established **Singapore Representative Office** in **October 2013**
- To explore opportunities for providing ATK's services in **ASEAN Region**





1. Introduction of ATK



GEOTECHNICAL ENGINEERING

GROUNDWATER DEVELOPMENT

STRUCTURAL DIAGNOSIS/DESIGN

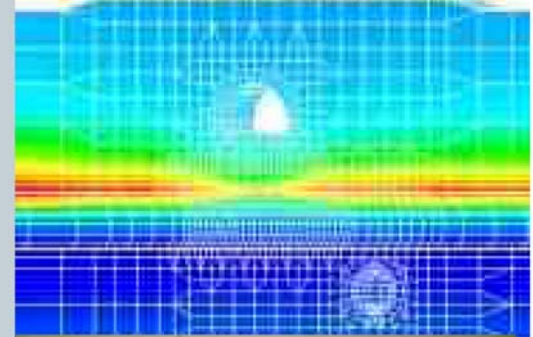
DEMOLITION/EXCAVATION WORKS



1. Introduction of ATK

GEOTECHNICAL ENGINEERING

- Conduct **Over 1,000 boreholes /year**
- Predict soil& water behavior with Field/Laboratory data with **ATK's Special Devices** and **Numerical Analysis**
- Provide **“Consistent Solution”** for Ground Contamination **from planning until clean-up treatment**
- Invented **advanced analyzing system** for field measurements& behavioral Simulation of Hazardous Substances





1. Introduction of ATK

GROUNDWATER DEVELOPEMNT

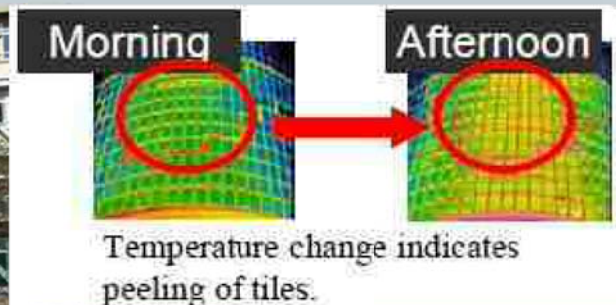
- Successfully Drilled Over 2,000 water wells & hot springs
- Provide Optimal Facilities for Customer's Requirements
- Maintain/Re-vitalize Old wells with wide range of Technologies
- New Challenge to generate Electricity with "Thermal energy of Hot springs", i.e. Geothermal Energy



1. Introduction of ATK

STRUCTURAL DIAGNOSIS/ DESIGN

- Diagnose **over 100 Structures/year**
- Conduct **Health check** for **over 200 Train Stations** in TOKYO area
- Adopt **Non Destructive Diagnosis** for Field Survey
- Provide **Optimum Design** for Reinforcement





1. Introduction of ATK



【Pure Holding Company】



ACKG Ltd.

Parent Company

Listed in JASDAQ

Turnover: \$300 Million



Oriental Consultants Company Limited



株式会社アサノ大成基礎エンジニアリング
ASANO TAISEIKISO ENGINEERING Co.,Ltd.



Chuoou Sekkei Engineering Company Limited



A-TEC Co.,Ltd.



Research & Solution



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for Sustainable Development



1. Introduction of ATK

OVERSEAS OFFICE of ACK Group



2. Cooperative Activity between HCMUT and ATK



- Background

- ✓ Vietnam & Japan has conducted **many infrastructure projects** in Vietnam since 1960s (Port, Highway, MRT etc.)
- ✓ We have built **a strong relationship** through the projects
- ✓ Vietnam has become one of the leading countries in ASEAN, **responsible for better regional development**
- ✓ ATK's exploring opportunities to provide the services in ASEAN region with **local experts**
- ✓ HCMUT's looking for partners to make their studies **more competitive**

2. Cooperative Activity between HCMUT and ATK



- Objectives

- ✓ To cooperate in “Geotechnical Engineering” for better regional development

Through the following activities

- ✓ Building **Human Network** between HCMUT & ATK by exchanging researchers, students & engineers
- ✓ Holding **Workshops or Technical Meetings** for exchange of Technologies & Knowledge
- ✓ Progressing **Cooperative Study** solving regional, geotechnical challenges

2. Cooperative Activity between HCMUT and ATK



- Activity

- ✓ Internship from HCMUT 1person/yr
- ✓ Engineer Exchange from ATK 1person/yr
- ✓ Workshop & Technical Meeting 1-2times/yr
- ✓ Cooperative Study within a few yrs

Red: Done

Blue: On going

Black: Future

2. Cooperative Activity between HCMUT and ATK



- Activity- Internship from HCMUT
 - ✓ Graduated researcher, Mr. Nguyen Tan Hung
 - ✓ Stayed at ATK's H.Q. for **2 weeks** to learn “Practical Geotechnical Engineering in Japan”
 - ✓ Visited **construction site, iconic structures** & ATK's technical Institute etc.
 - ✓ Experienced **Japanese Culture**

2. Cooperative Activity between HCMUT and ATK

SH TYPE HANDY DYNAMIC CONE PENETROMETER TEST



2. Cooperative Activity between HCMUT and ATK

MODULE ELASTIC HORIZONTAL



2. Cooperative Activity between HCMUT and ATK



GEOLOGY OF TOKYO



2. Cooperative Activity between HCMUT and ATK



FIELD TESTING



2. Cooperative Activity between HCMUT and ATK

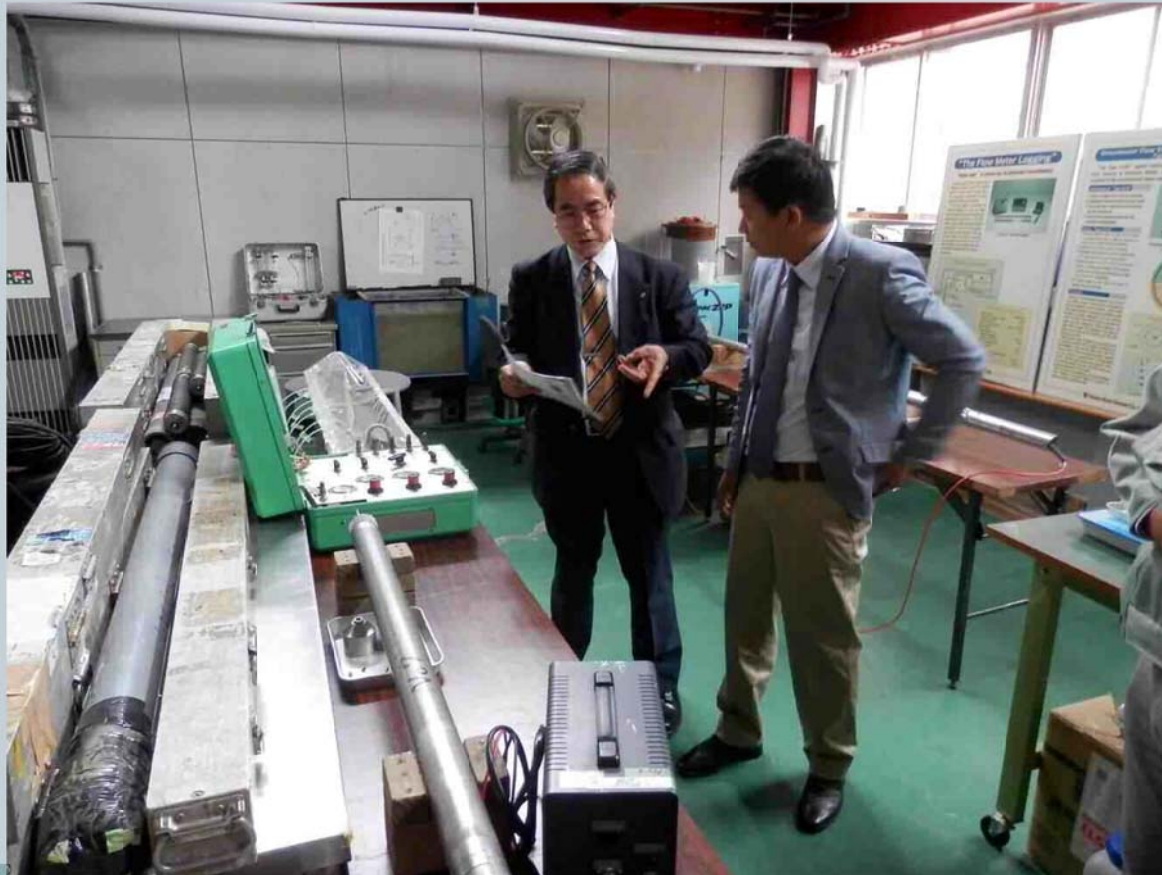
BORING WORK SITE



2. Cooperative Activity between HCMUT and ATK

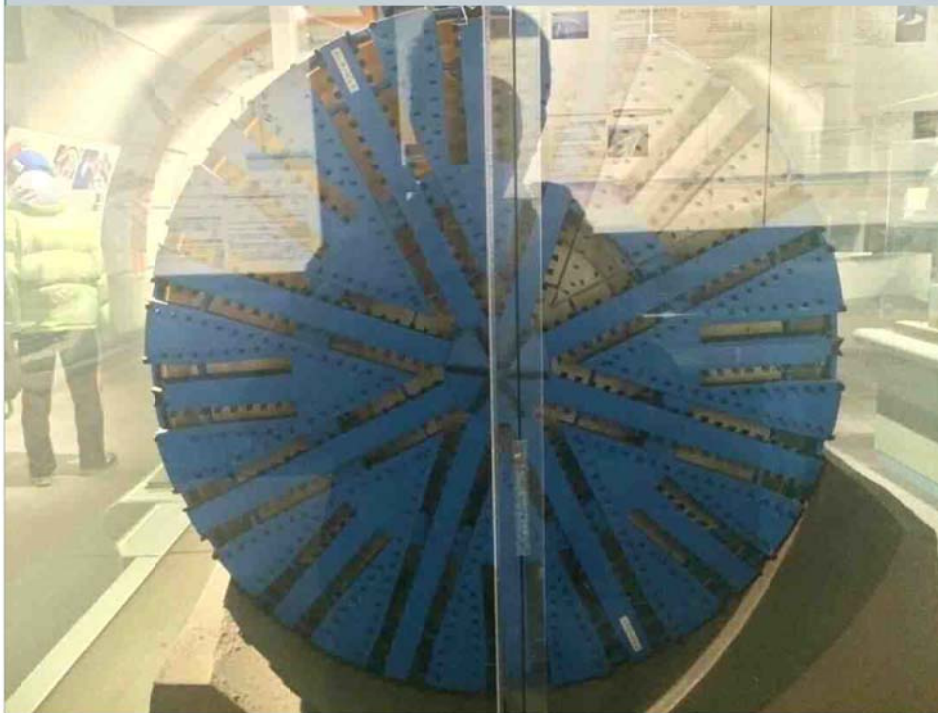


GROUND WATER FLOW METER



2. Cooperative Activity between HCMUT and ATK

TOKYO BAY AREA



2. Cooperative Activity between HCMUT and ATK



WASEDA UNIVERSITY



2. Cooperative Activity between HCMUT and ATK



SHINKANSEN EXHIBITION





Conclusion



- HCMUT & ATK will provide many opportunities for researchers & students to be involved in for **next 5 years**
- ATK welcomes researchers & students of HCMUT as “**Internship Candidate**” who have a strong spirit to learn new things & make a difference in the region
- **Cooperative study** with ATK is a possible options for all researchers & students

Thank you!

