

Implant Structure For Disaster Risk Reduction

Japan-India Workshop on Disaster Risk Reduction 2019

GIKEN Ltd

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Implant Structure

Destroyed Objects by Great East Japan Earthquake Mar.11. 2011

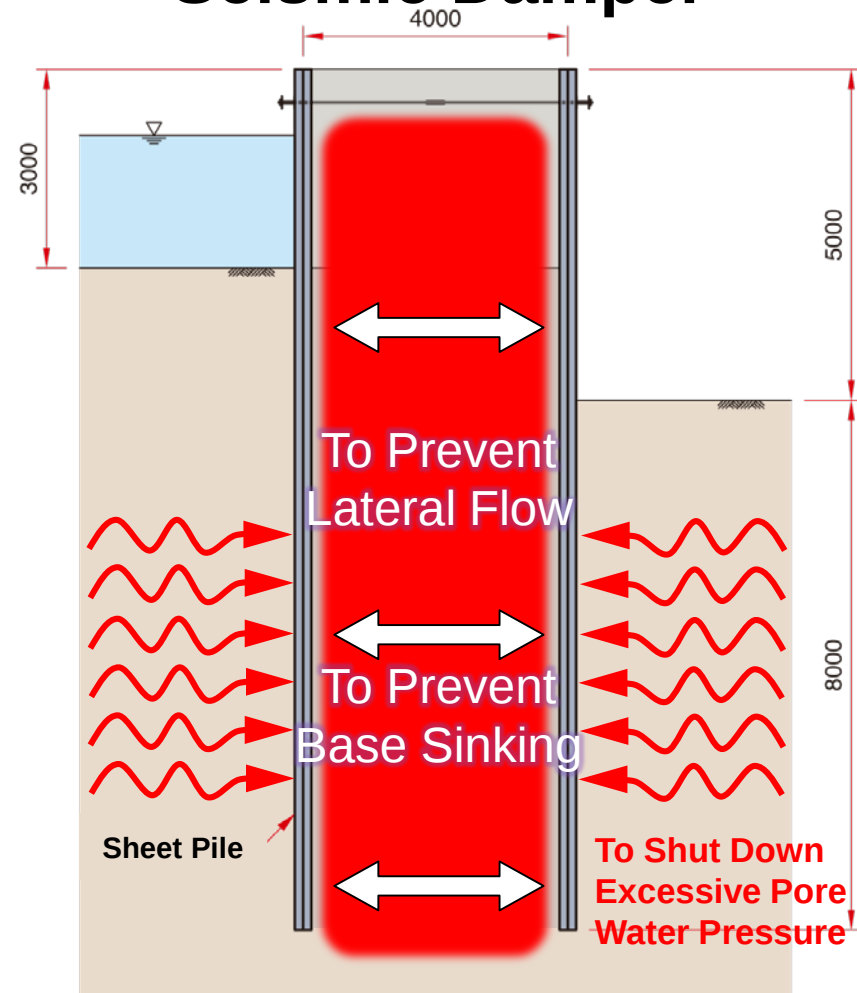


Implant Structure

Unharmful Double Sheet Pile Wall



Confined Ground Seismic Damper



Resilient IMPLANT Structure

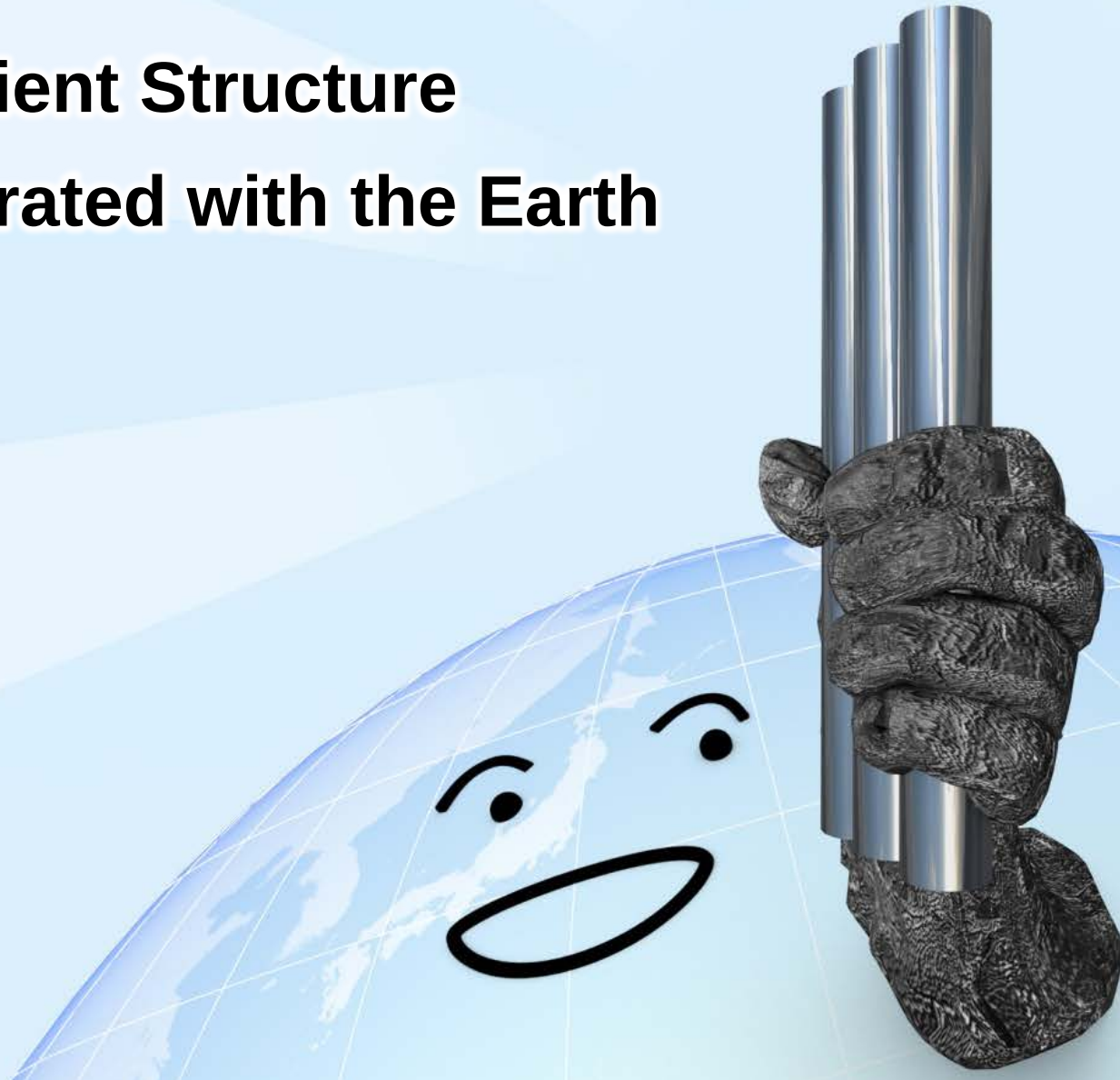
抜本的な構造革命で、決壊しない堤防を造る



Implant Structure

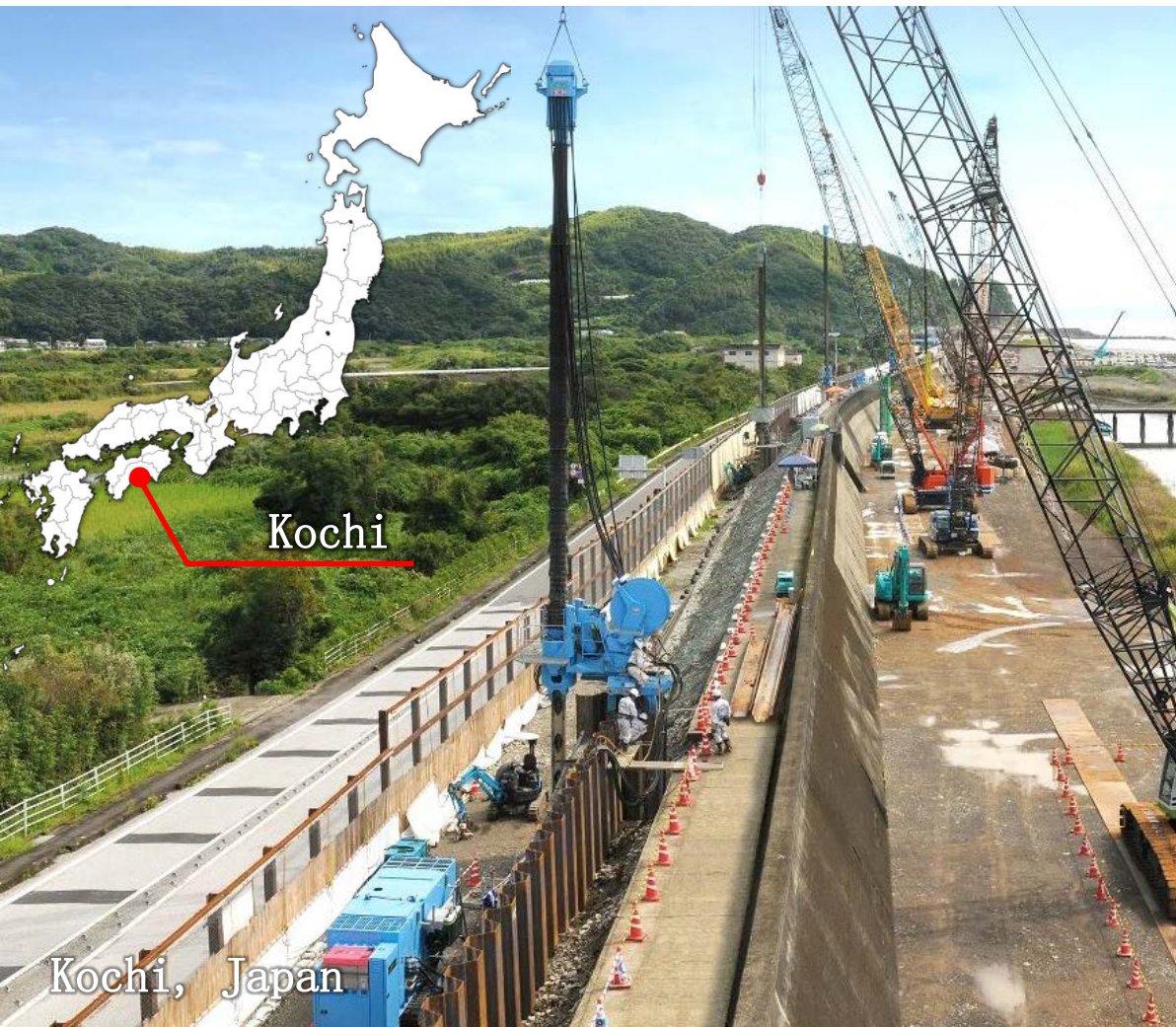


**Resilient Structure
Integrated with the Earth**



Technologies for Disaster Reduction

Implant Levee against Earthquake and Tsunami



Benefit of Implant Structure for DRR

- Implant Structure makes key infrastructure resilient for disasters, which secures lives and properties

Contribution to Global Targets	Contribution to SDGs Goals
A. Reduce Mortality B. Reduce Affected People C. Reduce Economic Loss D. Reduce Infrastructure Damage	 

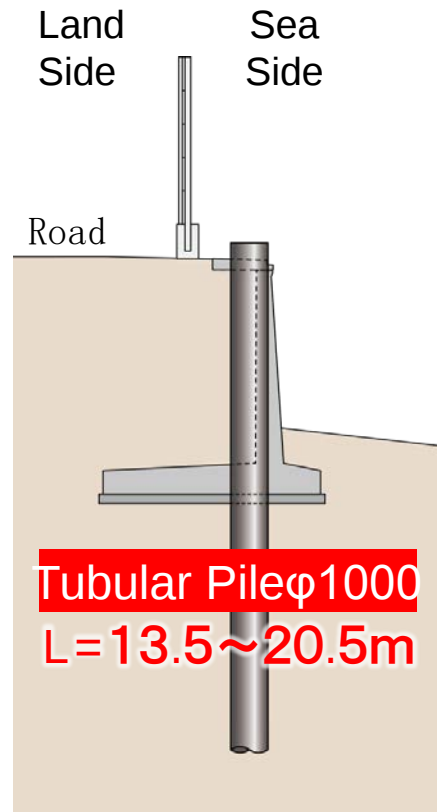
Case Studies of Implant Structure

Without Disturbing Traffic, Renovate Levee

Reinforce Levee, While Keeping It



Cross Section



Bangladesh Case Study



THANK YOU

Construction Revolution

GIKEN