

## Application of Digital twin in Water Conservancy Cooperation

Section 1: General Information	
Summary	Explore the application of digital twin technology in water conservancy and hydropower projects in Indonesia together to improve water management efficiency and decision-making level of water conservancy projects.
Proponent Name(s)	PT. Indra Karya Yellow River Engineering Consulting Co., Ltd
Proponent Type	Private Sector Companies
Primary Contact Name	An Chao
Primary Contact Details	598384361@qq.com
Additional Contact Details	Shao Xinran, 1311691757@qq.com
Region	Asia Pacific

Section 2: Commitment	
Linkages to SDG 6	
Target	Applying digital twin technology to water project in Indonesia, enabling flood control dispatching, optimal allocation of water resources, operation and maintenance, etc, so as to reach comprehensive benefits of the project and improve the level of comprehensive management of water resources.
Linkages to other SDG	

Section 3: Actions and Outcomes to Achieve Targets		
Relevant Sub-Theme		
Actions and Outcomes	Collect and integrate the fundamental data of water project, then mutually conduct the study of digital twin application in the project. the Parties will cooperate to implement digital twin projects for specific water conservancy and hydropower works in Indonesia, and carry out technology promotion and application demonstration.	
Implementation Period	Start Period	5/1/2024
	End Period	5/1/2027
Financial Commitment	Funding depends on project demands and implementation	