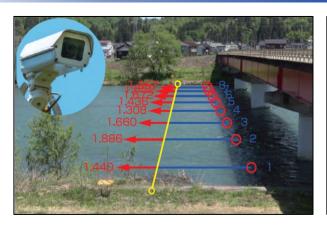




JCCI International Seminar 2024



Preparing for Flood Risks Associated with Climate Change; Video-based River Flow Meter, *Hydro-STIV*







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Problems



Billions of People Face Flood Risk Worldwide

Discharge Data is Essential to Reduce Flood Risk



How to Measure Discharge?





Current Meter





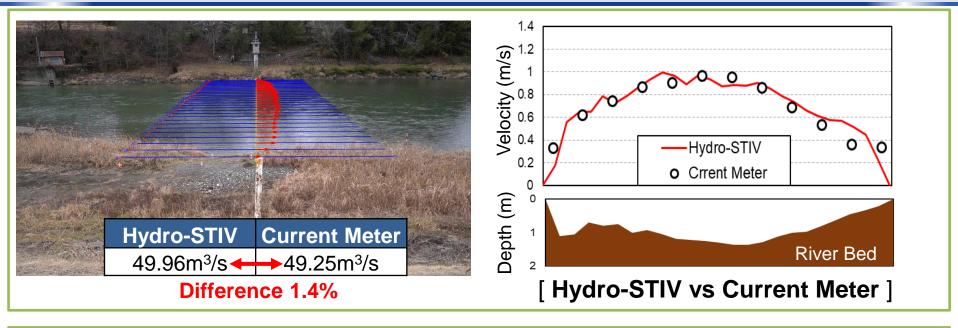
Solution

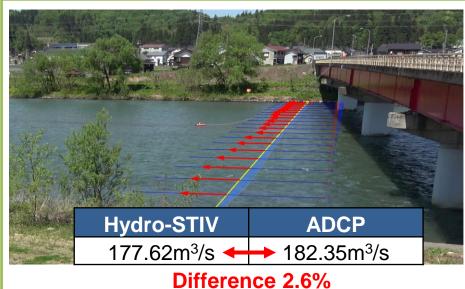
Hydro-STIV

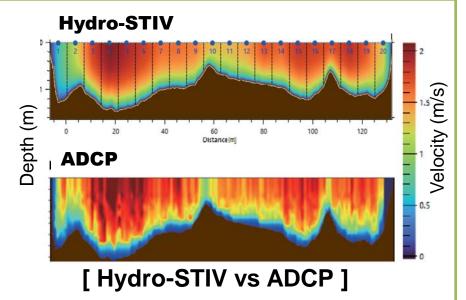
Flow Velocity Measurement System Using Video Images



High Accuracy







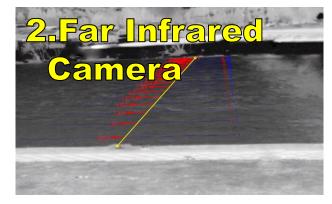
Versatile(1)

Available for a variety of situations

At Night?





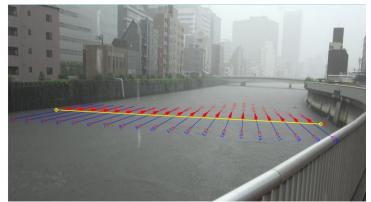














Versatile(2)

Available for a variety of situations



Use Dron Camera



Mountainous Area



Wide River

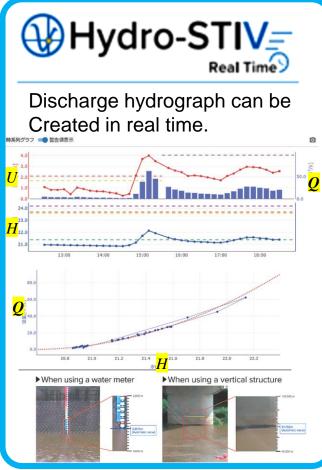
Application of Hydro-STIV

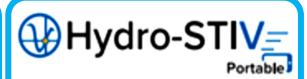


GCPs are required.

Fixed river monitoring camera can be used.







No GCP is required. Immediate measurement is possible at the site.



https://www.hydrosoken.co.jp/en/

Already Adopted in Many Countries

Country

Australia, Canada, Chile, Finlan, France, Iceland, Korea, New Zealand, U.K., USA, Sweden, Vietnam

Organization

Government agencies
Research institutions
Private companies
Educational institutions
Municipalities



Hydro Technology Institute Co.,Ltd.