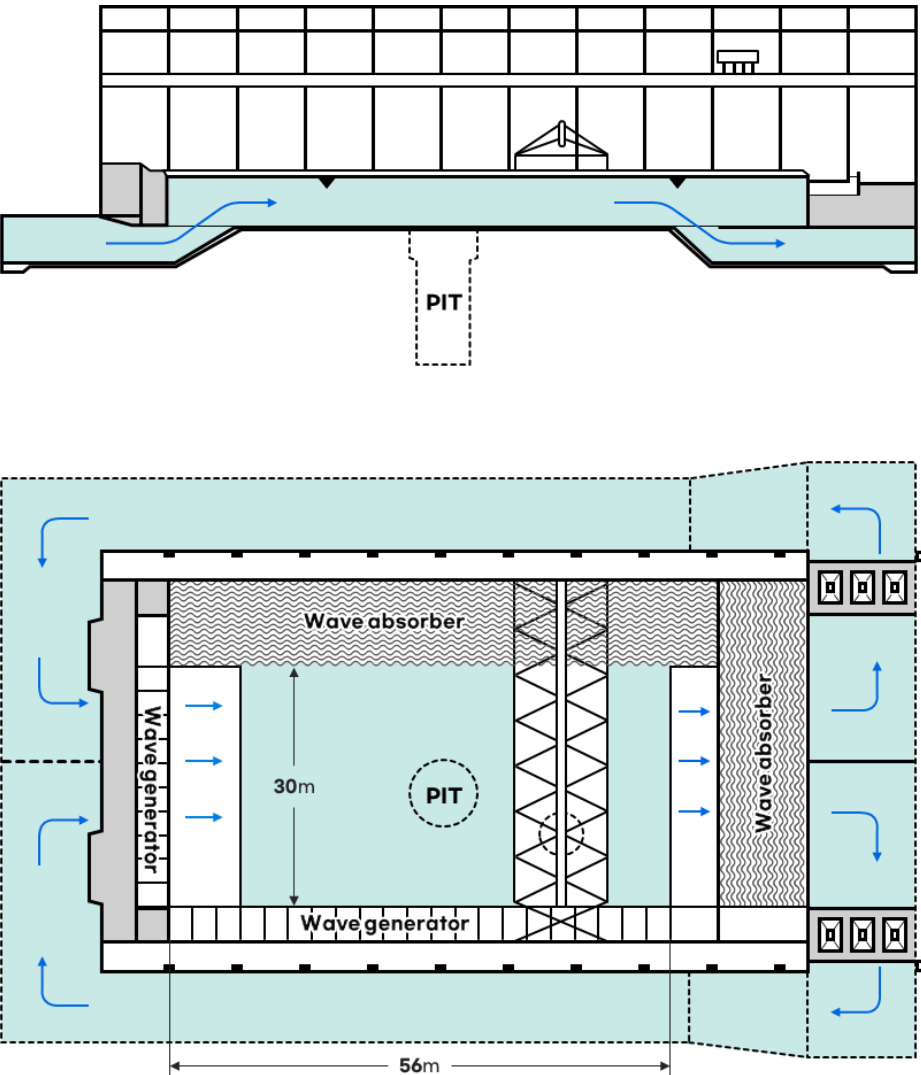


Name of organization Korea Research Institute of Ships and Ocean Engineering (KRISO)	Year of information updating
Year established 1973	Year of joining the ITTC 1978
Address 1312-32 Yuseongdaero, Yuseong-gu, Daejeon 34103, KOREA	Status in the ITTC Member
Contact details (phone, fax, e-mail) 82-42-866-3933 skcho33@kriso.re.kr oeb-doeb@kriso.re.kr	Website www.kriso.re.kr
Type of facility Ocean Basin	Year constructed/upgraded 1998/2006
Name of facility KRISO Ocean Basin	Location (if different from the above address)
Main characteristics Length 56m, Width 30m, Depth 4.5m (Water depth 3.2m) Deep pit: 5m diameter with a depth of 12m	
Drawings of facility 	

Detailed characteristics

Wave maker

- Piston type, Multidirectional (Segmented, L-shape) wave generator
- Regular waves, Irregular waves, Rogue wave
- Maximum wave height: 0.8m
- Wave period: 0.5~5sec

Current generation

- RPM feedback control
- Maximum velocity 0.5m/s

Wind generation

- Maximum velocity 10m/s

Carriage

- Servo controlled, CPMC (CMT, PMM, Auto tracking)
- Max. 3 m/s main carriage
- Max. 2 m/s sub carriage
- Max. 30deg/s turn table

Instrumentation

- CTRTACK motion measuring (Optical camera)
- Qualisys motion capture (both above and below water)
- Wave probes: Capacitive, resistive and ultrasonic
- Force balances: 1, 2, 3, 6 components
- Pressure sensors
- Thrusters for DP systems
- High speed camera

Applications

Marine safety

Seakeeping
Ship manoeuvring
Added resistance of ship in waves
Hydroelastic Response of ships
Stability, capsizing, broaching and parametric roll

Offshore engineering

Offshore floating production
Stationkeeping test (DP and mooring)
Offshore loading systems
Offshore marine operations
Subsea systems and operations
Floating Offshore Wind Turbine
Wave energy devices
Fluid/Structure interactions
Multi-body interaction
Current load test

Published description (Publications on this facility)