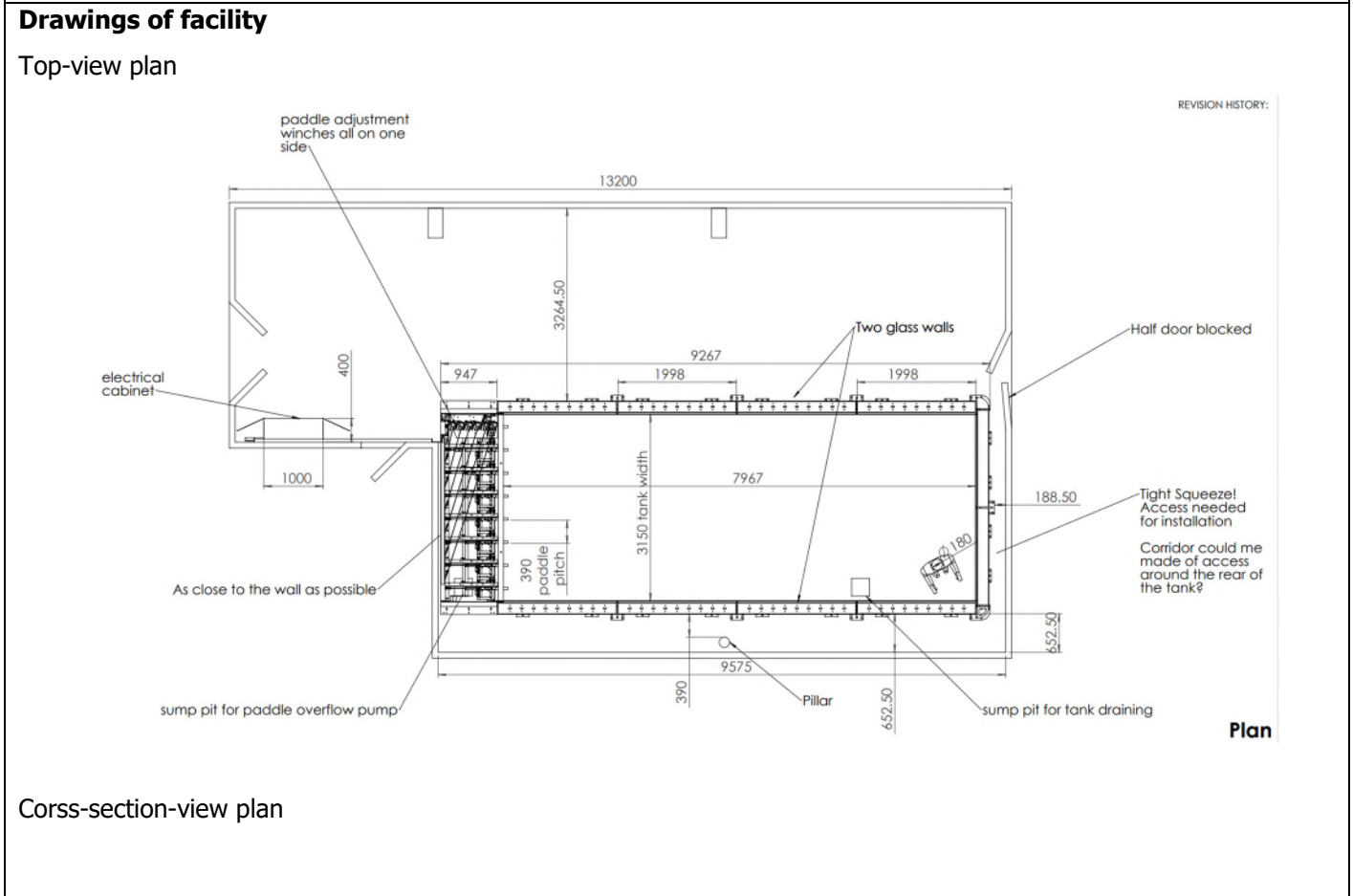
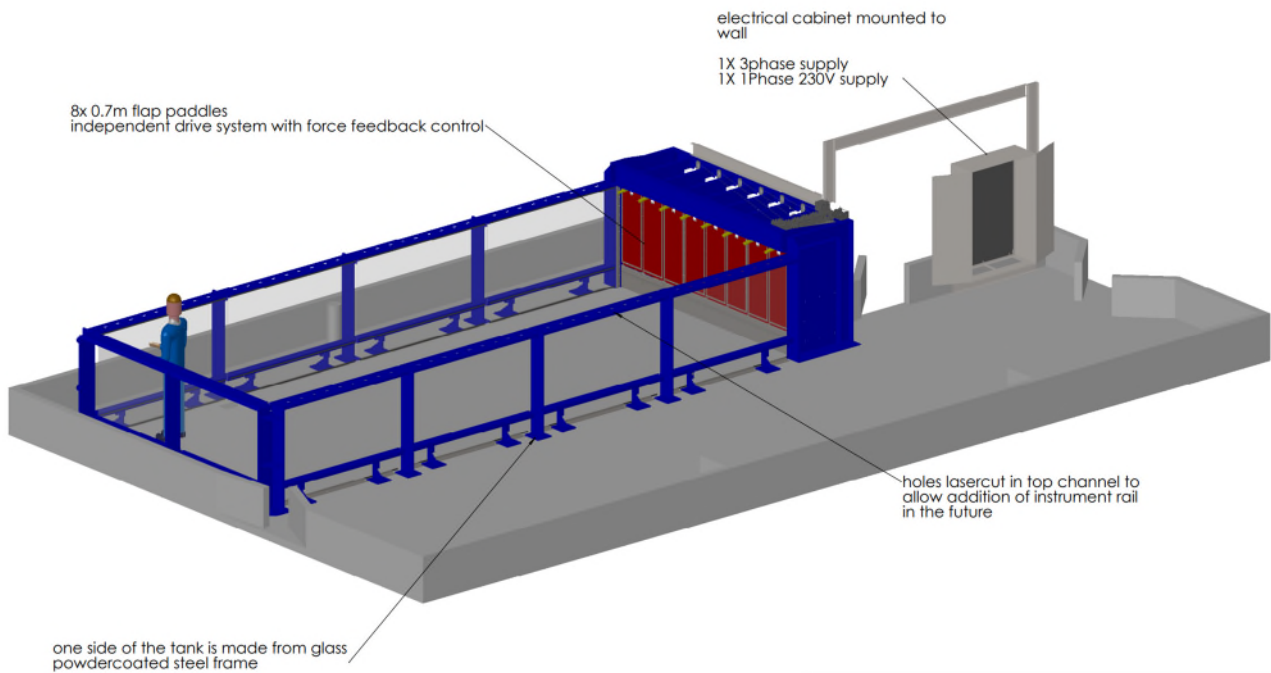


Name of organization University of Strathclyde	Year of information updating 2022
Year established 1796	Year of joining the ITTC unknow
Address Kelvin hydrodynamics laboratory University of Strathclyde 80, acre road, Glasgow, G20 0TL Scotland, United Kingdom	Status in the ITTC member
Contact details (phone, fax, e-mail) +44(0)1413302840 kelvin-hydro-lab@strath.ac.uk	Website https://www.strath.ac.uk/engineering/navalarchitecture/oceanmarineengineering/workingwithbusinessorganisations/ourfacilities/kelvinhydrodynamicslaboratory/

Type of facility Offshore basin	Year constructed/ upgraded 2019
Name of facility 3D compact wave tank	Location (if different from the above address)

Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)
9.575 × 3.150 × 1.000 (m)





Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)

- Fixed water depth 8 flap dry back active absorbing wave maker. Maximum wave height 0.3m, period range 0.5-5 s. Oblique wave angle up to 40 degrees.
- Above/underwater optical motion capture system.
- Resistance/ultrasonic wave probes.
- Resistance and ultrasonic wave probes.
- Pressure transducers, absolute and relative.
- Above and underwater optical motion tracking system
- Single and multi-axis load cell.
- Wired/wireless accelerometer.
- High speed camera, HD above/underwater video cameras.
- EDFs for wind load simulation.

Applications (Tests performed)

- Floating wind platform motion response.
- Wave force measurement on fixed type structure.
- Wave energy converter.
- Underwater robotics, AUV.

Published description (Publications on this facility)