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SHIP MANOEUVRING SIMULATOR



DESCRIPTION OF SYSTEM:

Full size, fully equipped ship's wheelhouses
4 x 6 x 2 m and 6 x 10 x 2.50 m.
Circular projection screen, diameter 20 m,
height 9 m for shadow projection of scenery.
Horizontal field of view 360°.
Vertical field of view + 25° - 25°.
Two radar simulators.
General purpose digital computer system.

SIMULATION PROGRAMS:

For both simulators separately,
simultaneously or interactive.
Mathematical models of several ship types
(tankers, bulk carriers, LNG carriers,
container ships, etc.), including effects of
draft, shallow water, banks, wind, tidal
currents, passing and overtaking other ships,
tugs and malfunctions.

TEST PERFORMED:

Ship manoeuvrability studies (man in the loop
principle).
Harbour, port and waterway studies
(dimensioning problems).
Ship to ship interaction studies.
Study of navigational aids.
Training courses for masters, pilots and
multiple tug operations.