



Challenges from the Deep

Cardiff Harbour

Problem

Docking submarines with hidden propellers aft and wide planes in Cardiff.

Brief

To assist in berthing a submarine in Cardiff Harbour.

Solution

A submarine surfaces in the waters around Cardiff and. To ensure the docking of the submarine is completed successfully, SMS mobilises Trueman to meet the vessel outside the harbour. To secure the tow lines, Trueman runs parallel with the submarine to connect the lines, keeping them tight enough to avoid the wide planes as she dropped astern. With the tow lines secured, extreme care and attention must be taken with the lines to avoid the submarine's propellers, which remain hidden under the water.

When the sub is safely docked in the Harbour, Trueman must once again run parallel with the submarine, keeping the lines taught to lift them above the planes before the lines can be released safely away from the sub's propellers.

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