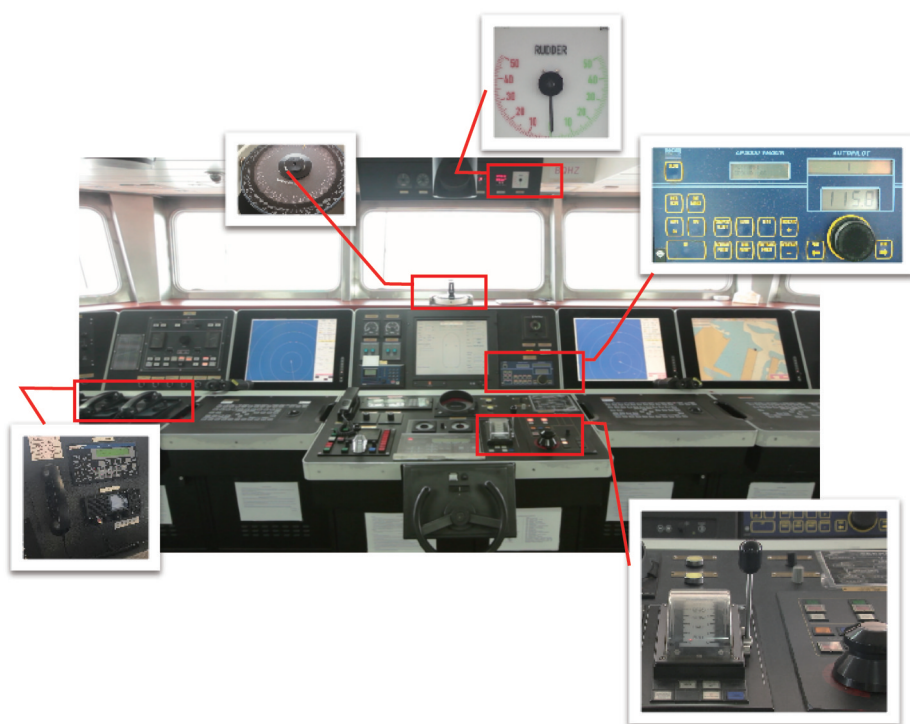


Watch MOOC 2.3.1 and 2.3.2, and Accomplish the Following Tasks

Task 1 Look at the picture below, and write down the correct names of the systems and equipment on the bridge of YUKUN in the blank.



Names of the bridge systems and equipment.

A photograph showing the interior of a ship's bridge. It features multiple electronic display screens showing navigation data, a control panel with various buttons and switches, and a large window looking out onto a body of water. The lighting is bright, and the equipment appears modern.

While MOOC-ing

Task 2 Decide whether the following statements are true or false. If the statement is false, change it into the correct one.

1. Telegraph can alter and maintain the ship's course.
2. AIS can transmit and receive identifying information automatically, such as ID, position, course, speed and other data.
3. Gyro compass can pinpoint locations about other ships and land in the area.
4. VHF can be used for summoning rescue services and communicating with harbors, bridges and marinas.
5. GPS can be used as an alternative to paper navigation charts.
6. GMDSS is used to send a distress signal via a satellite or radio communication equipment.
7. ECDIS can be used for reconstruction of the voyage details and vital information during an accident investigation.
8. A steering wheel is used to control the ship's speed.



Speaking and Thinking

Task 1 Work in pairs. Match the words on the left with their definitions on the right.

1. steering wheel
2. rudder angle indicator
3. navigation lights control system
4. telegraph
5. autopilot system
6. gyro compass
7. radar

- A. A device used to indicate the present position of the rudder blade.
- B. A system used to indicate the size of the ship, angle, direction of travel and whether the ship is anchored, underway or not under command and so on.
- C. A device used to alter and maintain the ship's course.
- D. A device used for finding the right direction.
- E. A device used by ships to pinpoint locations about other ships and land in the area.
- F. A device used to control the ship's speed.
- G. A combination of hydraulic, mechanical, and electrical system which can control the steering gear of a vessel to keep it on course.

1. AIS
2. VDR
3. ECDIS
4. GMDSS
5. VHF
6. GPS

- A. A device used for summoning rescue services and communicating with harbors, bridges and marinas.
- B. A display system used to show the ship's location with the help of Global positioning satellite in the earth's orbit.
- C. An internationally agreed-upon set of safety procedures, types of equipment, and communication protocols used to increase safety and make it easier to rescue distressed ships, boats and aircraft.
- D. An automatic tracking system that displays other vessels in the vicinity.
- E. A geographic information system used for nautical navigation as an alternative to paper nautical charts.
- F. An equipment that records the various data on a ship and can be used for reconstruction of the voyage details and vital information during an accident investigation.

After MOOC-ing

Task 2 Work in groups of three. Each one chooses at least 3 of the system and devices in Task 1 and introduces their functions to your partner. The following language patterns in *Language Focus* can be useful.

Language Focus

How to introduce the function?

The *device / instrument / equipment / system* is used to do something.

The *device / instrument / equipment / system* is used for something or doing something.

_____ is a *device / instrument / system* used to do something.

_____ is a *device / instrument / system* which helps to do something.

Task 3 Work in pairs and role-play the situation. One of you plays the role as a deck officer on YUKUN and the other as a visitor. The deck officer introduces the bridge equipment and systems to the visitor.

A: Welcome on board YUKUN, the training ship of Dalian Maritime University. Now you are in the bridge. There are many different kinds of systems and equipment in the bridge.

B: What is this? Is it a wheel?

A: Yes. This is the steering wheel.

B: What is it used for?

A: It's used for...

B: ...

Task 4 Work in pairs. Ask each other the following questions.

1. What is a bridge on the ship? Where is the bridge on the ship?
2. What is an autopilot system?
3. What is a steering wheel?
4. What is a telegraph?
5. What is the navigation lights control system?
6. What is a Gyro compass?
7. What is AIS? What is it shorted for?
8. What is the radar?
9. What is VHF? What is it shorted for?
10. What is ECDIS? What is it shorted for?
11. What is GMDSS? What is it shorted for?
12. What is VDR? What is it shorted for?