ENERGY EFFICIENCY DESIGN INDEX (EEDI)

COURSE OBJECTIVES

- To appreciate the background of Energy Efficiency Design Index (EEDI)
- To understand the concept of EEDI and its application
- To know how to calculate EEDI
- To apply EEDI to example ship design projects

ABOUT THE COURSE

To ensure cleaner and greener shipping, IMO has adopted mandatory means of measuring energy-efficiency, known as EEDI with the aim of reducing fuel consumption right at the design stage of ships.

IMO has also established a series of baselines for the amount of fuel each type of ship burns for a certain cargo capacity. Through EEDI, the ships built in the future will have to beat that baseline by a set amount, which will get progressively tougher over time. By 2025, all new ships will be required to be 30% more energy efficient than those built in 2014.

The EEDI is therefore an estimated measure of transport efficiency of a ship, which currently under the design stage. As such, it is important index for designers and builders of ships.

PARTICIPANTS

Engineers and Naval Architects engaged in design of ships, engineers and managers working in shipyard design and drawing office, consultants and ship owners' technical managers engaged in developing specifications for shipbuilding, superintendents tasked with supervision of new building, etc.

DURATION

One day

KEY TOPICS

- Background of EEDI
- Role and requirements of IMO
- Scope and application of EEDI
- How to calculate EEDI?
- Examples and cases