

Details of Concept Design

	Capesize Bulker	Very Large Crude Oil Tanker (VLCC)
Specification	<ul style="list-style-type: none"> ● Same level of dimension, endurance, ship speed, and payload with conventional ships 	<ul style="list-style-type: none"> ● Same level of dimension, -endurance, and ship speed with conventional ships ● Dimension to meet terminal conditions ● Ensuring payload by deepened main deck height
Main engine	<ul style="list-style-type: none"> ● Main engine can be retrofitted with minimum necessary parts for ammonia use 	<ul style="list-style-type: none"> ● Same as left
Fuel tanks	<ul style="list-style-type: none"> ● Installing LNG/ammonia fuel tank next to the engine room ● Installing additional ammonia fuel tank to on main deck when fuel is switched to ammonia 	<ul style="list-style-type: none"> ● Installing LNG/ammonia fuel tank, which meets necessary endurance when fuel is switched to ammonia, next to the engine room
Energy efficiency	<ul style="list-style-type: none"> ● Improving energy efficiency by shaft generator, enhanced power management with batteries, and heat recovery systems 	<ul style="list-style-type: none"> ● Same as left
Safety	<ul style="list-style-type: none"> ● Safety considerations include arrangements such as enclosed bridge wings, protected route to the lifeboat, and double walled fuel pipes 	<ul style="list-style-type: none"> ● Same as left