

Certificate No.

Registration No.

# CERTIFICATE OF COMPLETION

*(NMC Course no. 14)*

*This certificate is issued to*

*for having successfully completed the training in*

## ***VLCC Ship Handling Training***

*Summary of Contents:*

- *Training was conducted on Class A Bridge Simulator  
Certified by DNV*
- *Ship Handling Training on JMS full Mission Simulator*
- *Briefing on Case Study*
- *Discuss controllable & uncontrollable ship handling force*
- *Discuss pressure / suction effect on ship's maneuverability during berthing operation  
& in shallow water, and interaction between two vessels*
- *Pivot point*
- *Rudder effectiveness*
- *Berthing with tugs*
- *Berthing in wind*
- *Berthing in current*
- *Bollard pull to compensate for wind & current*
- *Night navigation in Singapore Strait*
- *Maneuvering simulation on east bound route in Singapore Strait*
- *Maneuvering simulation on west bound route in Singapore Strait at night time*
- *Berthing and unberthing simulation at NPRC Negishi Refinery A-W Berth*
- *Berthing and unberthing simulation at Keiyo Sea Berth*

**CAPT. ELISEO Z. CLEMENTE, JR.**

General Manager