

A Program in

## Electronically Controlled Marine Diesel Engines (Slow Speed 2 Stroke Marine Diesel Engines)

### Program Objectives

On completion of this programme, the participant will be able to:

- ✓ Provide confidence to marine engineers in operation and management of large 2 Stroke Cam less Marine Diesel Engines which are electronically controlled.

### Program Contents

- ✓ Introduction to Electronically controlled engines
- ✓ RT-flex technology and B&W ME technology - Improvements over conventional engines
- ✓ Concepts of Electronic and Computer Controls - Inputs and Output Modules, Embedded Systems, Wiring and Communication Cable concepts, Trouble Shooting techniques.
- ✓ Power supply units, fuel systems, exhaust systems and alarm systems in electronically controlled engines.
- ✓ Electronic Engine Control Systems
- ✓ Circuit Diagrams and Fault Finding
- ✓ Case Studies



IMO – ECMDE. Rev: 1.0/October 2018



**Program Duration:** 3 days/18 hours

**Target Participants:** Marine Engineers at Management and Operational Levels.



## Our Trainers

### **Pawan Kapoor**

A Class I Marine Engineer, Mr. Pawan Kapoor has a vast and varied working experience of over 27 years, which ranges from being a hands-on engineer, to a workshop manager, to a mentor and guide, to a Chief Executive. Pawan has lead teams of professionals and educationists for development of world-class training and educational establishments. He is the founder and head of the ISF Group and the various entities of the group.



### **Pankaj Dalvi**

Mr. Pankaj Dalvi graduated from DMET in 1995, and has since worked on Bulk carriers, Containers, Tankers, LPG ships and also onboard offshore supply vessels. His shore experience includes exposure to crewing and training with NYK Ship Management. As Promoter and Managing Director of Trigen Marine, Pankaj has years of experience in providing superintendence, technical support and guidance onboard to staff and technical managers for all types of vessels. Pankaj has been with ISF Group as a trainer for over 5 years and has trained over 300 seafarers in the field of marine engineering, electronics, electricals.



### **Prathamesh Dange**

Prathamesh Dange is a sailing marine engineer. He has been involved setting up of technical workshop for training of marine engineers and as a visiting faculty for various research related training programs. He has been instrumental in developing Distance Learning Programs for Junior Engineers and Trainee Electro technical Officers at ISF Group

