



RINA/IMarEST Technical Presentation

Submarine Diesel Engine Development

- Speaker:** Geoff Goodwin
Specialist Marine Propulsion and Failure Investigation
AADI Defence
- Date** Wednesday 3 February 2016
- Venue:** Harricks Auditorium
Engineers Australia
8 Thomas St
Chatswood
- Refreshments:** 6:00 pm
- Presentation:** 6:30 pm

This presentation will look at the emergence of the diesel engine as the universally-preferred means of propulsion and power generation in submarines from the beginning of the 20th century until the emergence of nuclear power. The use of pressure charging, the pros and cons of turbochargers and the issues that arise will be considered; then the emergence of electronic control and the use of common-rail fuel systems.

These also have issues for submarine applications, and the presentation will look at where the technology might go from here, including weighing the pros and cons of nuclear power and non-nuclear air-independent propulsion and power-generation systems.