



MAN B&W Diesel



Task 11.2 Intelligent engine - Objectives -



Objectives

- ◆ Development of engine systems and components that form an **intelligent engine management system [IEMS]**
- ◆ IEMS should have *adaptive characteristics* to respond properly to variations in ambient and operational conditions
- ◆ *Self-learning attributes* are planned to be integrated
- ◆ All features are based on monitoring by *suitable and reliable measurement equipment*
- ◆ Standardized evaluation procedures regarding *goal-oriented engine performance* will be assimilated
- ◆ A centralized aim is to *change the engine operation mode* based on manual or automated procedures



Possible control strategies / optimization tools / algorithms that might be used for the IEMS

Training / operation of ANN

