

[붙임1] 교육계획서

1. 수소연료전지 추진시스템의 이해

□ 개요

- 교 육 명 : 수소연료전지 추진시스템의 이해
- 교육기간 : 2026. 11. 10. ~ 11. (총 2일 16시간, 08:00 ~ 17:00)
- 교육대상 : 관련 업무 종사자 및 교육 내용 수강을 희망하는 재학생
- 교육장소 : 동남권 교육센터(거제 삼성중공업 DT캠퍼스)

□ 교육시간표

분야	친환경선박	교육정원	20 명
강의명	수소 연료추진 시스템과 친환경 연료 추진 시스템	교육시간	16 시간
강사	DNV	지역	거제

ACADEMY KOREA – TRAINING AGENDA

Course	Hydrogen fuel cell propulsion and eco-friendly propulsion system Course
Contents & Learning Objects	• Introduction • Hydrogen • Fuel cell technology • Hydrogen fuel cell propulsion system • Hydrogen fuel tank • Hydrogen fuel gas supply system • Operation principle of DF engine • eco-friendly propulsion system & fuel supply system <i>Upon completion of this course the participants will understand the basic of eco-friendly propulsion system and fuel supply system and hydrogen propulsion system</i>

Day	Time	Topics	Lecturer / Dept.
Day 1	08:00 – 09:00	Introduction, Pre-Test	Jung, Mun Hwa/ <i>Principal Engineer – Safety & System Section</i>
	09:00 – 10:00	Hydrogen principle	
	10:00 – 12:00	Introduction of fuel cell technology	
	12:00 – 13:00	Lunch	
	13:00 – 14:00	Rule & Regulation	
	14:00 – 15:00	Understanding of Hydrogen fuel cell propulsion system & fuel gas supply system	
	15:00 – 16:00	Hydrogen fuel cell system	
	16:00 – 17:00	Hydrogen fuel tank	
Day 2	08:00 – 08:30	Review of topics discussed first day	
	08:30 – 10:00	Background of eco-friendly propulsion system	
	10:00 – 11:00	Operation principle of DF engine	
	11:00 – 12:00	Introduction of dual fuel engine (LNG/LPG/Methanol/Ammonia)	
	12:00 – 13:00	Lunch	
	13:00 – 16:00	Understanding of eco-friendly propulsion system & Fuel gas supply system (LNG/LPG/Methanol/Ammonia)	
	16:00 – 16:30	Questions and review of important points, Summary	
	16:30 – 17:00	Exam, Feedback	