Filling Skills Gaps in Blue Industry by Radical Competence Boost in Engineering VET

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RADICAL PROJECT
INTRODUCTION
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Background

- Maritime cluster of Southwestern Finland is suffering from lack of engineers.
- Our graduating engineers have competencies and skills, which are all fundamental for the maritime sector.
- Today, it takes time before a graduated engineer will be a productive worker for a company.
RADICAL
Filling Skills Gaps in Blue Industry by Radical Competence Boost in Engineering VET (Vocational Education and Training)

• ERASMUS+ project, 2 years, 1.11.2017-31.10.2019

• Total budget 371 030 €
Project objectives

- a reformation of the industry - Higher Education Institution (HEI)- student cooperation in Finland
- a new model in the career path towards new and better jobs, especially in the Blue Sector of Southwestern Finland.

The core of the ENGINE (Engineering Innopeda Education) model is a **new model for engineering education** supported by a **business mentoring model**.

- High quality combination of higher education and work-based learning, leading students to have both a full bachelor’s degree and in-depth practical experience at the workplace.
Project partners

TURKU AMK  
TURKU UNIVERSITY OF APPLIED SCIENCES

Yrittäjät  
THE FEDERATION OF FINNISH ENTERPRISES  
SOUTHWEST FINLAND

VARSINAIJSUOMEN LIITTO  
EGENTLIGA FINLANDS FÖRBUND  
REGIONAL COUNCIL OF SOUTHWEST FINLAND

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SHIPYARD 1737

ésta  
school of business & technology  
Boultor / Lyon

HOCHSCHULE HANNOVER  
UNIVERSITY OF APPLIED SCIENCES AND ARTS  
Fakultät II  
Maschinenbau und Bewerferwissenschaften

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RADICAL project

ENGINE
Why?

Students
• strong academic base
• possibility to link theory to practice immediately
• gain 4 years of working experience during the studies

Companies
• Ready and productive workforce, introduce to company way of working
• Development projects
• New fresh ideas
• Can engage future talents to their company

University of Applied Science
• New appealing education model
• Deeper connection between UAS and companies

Society / Region
• Value for the money in educating engineers
• More competitive region
How?

• Benchmarking
• Carrying out a survey
• Piloting
• Writing publications
• Project working: meetings, reviews, evaluation
• Co-operation of ~20 professionals from partners’ organizations