



Training Seminar on Additive Manufacturing and Risk Management in the Shipbuilding and Ship-Repair Sectors





Course Title	Training Seminar on Additive Manufacturing and Risk Management in the Shipbuilding and Ship-Repair Sectors
Course Type	Short training Course
Entry Level	No prior learning required. Attendees may have a knowledge basis, gained from work experience, or a degree on any shipbuilding and ship-repair technical activities, which would facilitate the better understanding of the training materials.
Level and Relevant	EQF 3-7
Framework	
Delivery Method	Distance Learning 100%

Unit 1	Additive Manufacturing in the shipbuilding and ship-
	repair sector - Profession, skills and applications in
	shipping and shipbuilding
Entry Level	No prior learning required.
Optional	This Unit addresses the main concepts of additive manufacturing from
Supplementary	the perspective of its application to shipbuilding, presented by means of
Information	appropriate case studies.
Learning Outcome 1	Knowledge of key trends linking Additive Manufacturing to the
	shipbuilding & ship-repair sectors.
Knowledge & Skills	1. Know and understand the basics of 3D printing.
	2. Know and understand how it is applicable for the production of
	maritime spare parts from case studies.
	3. Discover the Qualifications and Certification processes of Additive
	manufacturing parts for marine and offshore applications.
	 Know and understand the main trends and concepts of additive manufacturing.
	5. Know and understand how these concepts influence changes on
	current and future occupational profiles.
	6. Know and understand what new skills and qualifications will be
	necessary for 3D printing.
Evidence Requirements	As this was a one-direction workshop, the lectures (ppts) took place via
	PowerPoint slides. No feedback from attendees was planned.
Assessment Method	As this was a one-direction workshop, a certificate of attendance was
	awarded by the Port Training Institute EXANTAS which delivers training
	to employees in the port industry and related sectors. The EXANTA
	Institute which was involved in the whole process, awarded all
	attendees with a Certificate of Attendance.



Unit 2	Risk management in the shipbuilding and ship-repair
	sectors
Entry Level	No prior learning required.
Optional Supplementary Information	This course concerned (i) Risk identification; and (ii) Monitoring and control and how these processes are affected by the adoption of new technologies.
Learning Outcome 1	Risk management processes required when adopting new technologies in the productive activities
Knowledge & Skills	 Know and understand the impact of the new technologies on risk management. Know and understand the structure of a risk management plan, including the steps that should follow for its implementation. Identify risks involved. Know and understand how to manage such risks Know and understand how to monitor the risks that challenge the shipbuilding and ship-repair sector. Know and understand how to monitor the risks that challenge the shipbuilding and ship-repair sector.
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Contact

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