

ECVET Earth Building	Earth Building Market	Sub Unit E
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Learning outcomes		Level 7
KNOWLEDGE	SKILLS	
<ul style="list-style-type: none"> - Business management <ul style="list-style-type: none"> o Tender, quantity and specifications o Image and identity of the company o Contracts o Payment plans o Aftercare and maintenance o Insurance, Liabilities and Guarantees o Earth building products o Basic understanding of risk management o Marketing Plan, Strategic Plan - Status of regulations and standards relating to earth construction <ul style="list-style-type: none"> o Insurance models for the project o Local regulations for the context of the projet o International regulations to improve trust of the team - Performance of the earth regarding to environmental issues and questions <ul style="list-style-type: none"> o Ecology and green building, assessment tools, insulation materials, related to earth construction o Energy costs and carbon footprint of earth techniques o Methods and content of life cycle analyses of materials (based on the ISO14000 standard) - Cultural background on earth building <ul style="list-style-type: none"> o Advantages and characteristics of earth construction: acoustic performance/sound-proofing, thermal mass, low embodied energy/carbon, hygroscopic/humidity regulator, fireproof, non-toxic, biodegradable and recyclable o Historical and geographical background of earth techniques o Local and regional terminology and techniques o Aesthetic potential for earth architecture - Study of the market <ul style="list-style-type: none"> o Regional networks of earth construction actors o Regional networks of earth material and tools (producers and providers) o Professional accreditation or affiliation for earth builders, designer and producers o Financial costs and delays relating to the use of earth under construction 	<ul style="list-style-type: none"> - Design member place and responsibility in the project <ul style="list-style-type: none"> o Present the design role in the project o Establish scope of responsibility o Estimate specifics of time, cost and contract relating to earth construction - Feasibility Study <ul style="list-style-type: none"> o Make a cost calculation and tender o Advise the client in the selection of the various trades o Inform the client about the different stages of the project o Inform the client on the advantages and characteristics of earth building - Advise on the supply of earth materials and weather conditions <ul style="list-style-type: none"> o Make a regional market study of builders, designers and resources producers o Anticipate deadlines and impacts on human resources and equipment - Coordinate earth building programme with contractors and clients <ul style="list-style-type: none"> o Evaluate the stakeholder's knowledge and skills relating to the earth and identify training needs - Continuous professional development <ul style="list-style-type: none"> o Feedback on experience (cost library, program and planning, etc.) - Develop a market strategy <ul style="list-style-type: none"> o Communicate a port folio of your earth work o Develop marketing arguments for: economic, technical, social, aesthetic, ecological benefits of earth building techniques 	

COMPETENCE

Level 7

- Valuing earth culture
- Build an argument based on a comparison of the costs and qualities of different options in the choice of materials and processes
- Create a climate of trust in the project and alert people to potential problems relating to earth use, through training and education.
- Favour the growth of local market and develop a business strategy for a small company specializing in earth building
- Develop a support network
- Keep up with innovations and normalisation related to earth construction
- Foster earth building, through workshops, training, and team building
- Advise and teach non earth building specialists on earth building techniques old and new, about properties of clay, about the advantages of earth over conventional building materials

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Criteria and Indicators for the Assessment of Skills		Level 7
Criteria	Indicators	
Planning	<ul style="list-style-type: none"> - A cost plan is in place, with contingency allocation appropriate to risk of financial change - A list of potential local contractors and producers is made, with cost, distance and delays 	
Coordination	<ul style="list-style-type: none"> - Variations to the cost plan are managed - Valuations and certificates are issued - All stakeholders have contract with appropriate description of their task and responsibilities - Program according organisation of all contractors is made 	
Controls	<ul style="list-style-type: none"> - The effects of possible changes on site are anticipated and contingency plans are in place - The quality of work delivered is well appreciated by using the tender documents 	

Ensure that standards of work and materials comply with relevant codes of practice and to current standards.