

**Knowledge**

Trainees know ...

- about building regulations according to the countries rules
- the tools and machines used on the straw bale construction sites
- possible dangers, safe working practices, accident prevention regulations and security data sheets
- specific problems of straw bale building site organization
- how to read and understand plans and construction drawings
- different structural options and infill methods (boards, distances according to bale measures, compression, diagonal bracing)
- that it is necessary to fix the bales, and know different technologies to do it
- that it is necessary, to avoid gaps and therefore compress bales and have different technologies to do it or fill in flacks or straw before compression
- how to assess and select the best infill- or prefabrication-method according to time, schedule, budget, resources and site requirements
- about prefabrication, its specific features of planning, its advantages and disadvantages.
- how to join to adjacent building elements (floor- and roof plates, openings)

Skills

Trainees can ...

- control the quality of existing constructions
- handle tools and machines which are used in straw bale construction
- execute different Infill construction methods, adjust the bales if required and use different compression-, stabilization- and fixing-techniques
- prefabricate straw bale elements (walls, roofs, floors)
- implement diagonal bracing in the construction and bales (notched,...) according to static needs and plans
- fill the holes with a pressure (density) according to the national rules
- connect boards and window frames properly (airtight, structurally sound...)
- calculate building material

Competence

Trainees:

- are aware of health and safety in relation to other workers, building site, machinery, equipment, PPE (personal protective equipment) and of issues specific to working with straw and straw bales.
- can organize the building site at all stages (i.e.: take responsibility that they leave the building site rainproof...)
- can take responsibility of the requirements of straw building in a “normal” building routine
- can explain different examples of infill and prefabrication techniques and their advantages and disadvantages.
- can estimate the dangers and avoid them on building site
- can organize work and do it in time