

**Knowledge****Skills**

Trainees know ...

- about building regulations according to their country's rules
- about load-bearing systems and the specific demands on planning;
- the advantages and disadvantages of load-bearing technique
- how to connect to adjacent building elements (floor and roof plates, openings) according to load-bearing best practice and rules
- the tools and machines used in straw bale construction sites.
- the possible dangers, safe working practices, accident prevention regulations and security data sheets.
- the problems of building site organization specific to working with straw.
- How to read and work from plans.
- the great importance of using straw bales with a good density.
- different compression methods and their characteristics.
- the importance of fixing bales and different methods of doing this.
- how to fill the gaps between the bales
- the timetable linked with the costs.

Trainees can ...

- control the quality of existing constructions
- handle the tools and machines which are used in the straw bale construction.
- estimate the dangers linked with it and can avoid them.
- agree on safety procedures with the other partners (planner, developers, self-builders etc.) in such a way that the building site is safe.
- apply the different load-bearing construction methods and can resize, compress and fix the bales.
- make a timetable and organize the work routines.
- do basic carpentry to make additional wooden construction aids in order to erect straight walls.
- select bales which fit into the construction
- compress built-in bales in different technologies
- fill gaps and holes with sufficient pressure and match orientation of straw
- fabricate base plate and top plate
- prepare openings

Competence

Trainees can ...

- work with all partners in such a way that the building site is safe.
- organize the work on straw bale building sites that use the load-bearing construction methods and integrate suitable work routines, tools and technologies.
- co-ordinate and communicate the special needs of load-bearing constructions with other professionals.
- explain different methods of load-bearing construction with reference to advantages and disadvantages.
- inspect and select good quality bales for load-bearing construction.
- control the general quality of the bales during the whole building process.