

# Roadmap BUSP Norway

To enhance competence at all levels – Agreement from the construction industry – Participation of relevant institutions – Socio-economic effects over a 14-years period

EDUCATION AND TRAINING	FORMAL FURTHER EDUCATION	POST-QUALIFYING EDUCATION
<p><b>Passive building knowledge in education and training</b></p> <ul style="list-style-type: none"> <li>Establish several pilot projects where many stakeholders (vocational schools, local authorities, construction companies) collaborate to get knowledge about passive building into education and training for building trades.</li> </ul>	<p><b>Updating subject plans for vocational college/master's certificate</b></p> <ul style="list-style-type: none"> <li>Review the curricula for building and climate, energy and environment to include competence goals for energy, where these do not currently exist.</li> <li>Extension of building trades with a teaching module including technical goals for climate and energy to be included when the content is developed.</li> </ul>	<p><b>Force preparation of building details and guidance material</b></p> <ul style="list-style-type: none"> <li>Force the development and updating of building details, guidance material etc. at passive building level, for both new building and existing buildings.</li> <li>Further develop existing course material to give specific detailed knowledge for every single trade and to cover practical use of the knowledge on the building site.</li> </ul>
<p><b>Good recruitment</b></p>	<p><b>Certification for tradesmen – the Renewables Directive</b></p> <ul style="list-style-type: none"> <li>Consider establishing other qualification/certification schemes for tradesmen with regard to passive building or renovation with ambitious energy goals.</li> </ul>	<p><b>Ensuring the quality of courses about energy in buildings</b></p> <ul style="list-style-type: none"> <li>Organise courses for instructors so as to ensure the capacity of qualified course holders and to give a geographical spread of course holders, making it easier to take courses locally.</li> </ul>
<p><b>Increased competence in the area of energy among teachers and instructors in building trades</b></p> <ul style="list-style-type: none"> <li>Establish more schemes in which vocational teachers can spend more time in companies that have energy ambitious building.</li> <li>Increase participation in further and post-qualifying education in the area of energy by teachers of vocational students.</li> <li>Establish collaboration between the building industry and county councils to develop special teaching modules for instructors on building at passive building level, renovation with ambitious energy goals and the use of renewable energy.</li> </ul>	<p><b>Further education in the area of energy for tradesmen</b></p> <ul style="list-style-type: none"> <li>Establishing a pilot project on energy to define specific formal training for tradesmen who wish to continue in their own vocational subject.</li> <li>Establish a pilot project to see how implementing courses with documented real expertise for tradesmen could be specifically related to curricula.</li> </ul>	<p><b>Increased course participation among tradesmen</b></p> <ul style="list-style-type: none"> <li>Relevant incentives could be competence requirements for receiving subsidies for building projects with ambitious energy goals, or establishing a training fund.</li> </ul>
<p><b>Updated teaching aids and materials</b></p> <ul style="list-style-type: none"> <li>Include renewed updated knowledge about passive building, energy-efficient renovation and the use of renewable energy for heating and ventilation in the next revision of teaching aids and materials.</li> </ul>		<p><b>Better product knowledge</b></p> <ul style="list-style-type: none"> <li>Integrating courses on energy efficiency in buildings, use of renewable energy and energy-efficient building products into the building goods chains' internal training.</li> </ul>

## OVERALL STRATEGY

01

The trades with the greatest significance for buildings' energy efficiency and energy supply will be prioritised in the development of course material (carpenters, plumbers, electricians and ventilation fitters)

02

Main target group for course participation is foremen and site managers

03

Get knowledge of passive building into training by prioritising post-qualifying education of vocational teachers and to develop new teaching aids that cover energy-efficient building and renovation

04

Measures are being initiated to ensure that tradesmen with documented expertise in energy respond to a demand from the market



**BUILD UP SKILLS**  
ENERGY TRAINING FOR BUILDERS

