



Bright Green Engineering Seminars

Thermal Shell & Building of a Zero+ House

EUC
SYD.DK

Erhvervsuddannelsescenter Syd



The Reason Why

Globally sustainability is a hotspot issue that attracts a lot of attention. Among private households, public stakeholders and industries, the demand for sustainable and carbon neutral solutions keeps increasing worldwide. Skilled craftsmen and engineers and architects with an energy-saving, sustainable mindset are the key to implement these solutions.

Through this seminar, the participants will get acquainted with the latest developments, equipment and methods in their fields of intervention in order to make the appropriate decisions choosing the most relevant sustainable solutions to the benefit of private and public consumers.



Content of the Seminar

This seminar is mainly practical (P) with a theoretical introduction (T).

- Building Regulations in Denmark – BR2015 vs BR2020 (T – 1 day)
- The different types of “Green” Buildings (sustainable, low energy house, passive/active house) (P – 1 day)
- Architecture, ergonomics, compatibility of the materials for an energy-wall (P – 1 ½ days)
- Lambda value and insulation properties of the materials (P – 1 ½ days)
- Air renewal in the house: optimizing natural ventilation (P – 2 days)

- Natural energy sources: solar energy, mounting and wiring (T & P – 1 day)
- Documentation - quality assurance and quality control (T & P – 1½ day)
- Pressure test & Conclusion of the project – meeting with the stakeholders (P – ½ day)

Assessment and Certificates

The skills and knowledge acquired during the seminar correspond to the learning outcomes for **European Qualification Framework level 5**.

The participants will be delivered a European Certificate signed by their sending institution and EUC Syd.



“Our culture of sustainability is not just about installations, but also about attitudes and ethics, which we can help bring out to a wider audience. In a sense, we are not just educating young people directly, but also their teachers. This is one of the focus areas in our work in China. We want to educate teachers as well as employees, so the Chinese school will have sustainability at all levels of the organisation. In this way the students get the full benefit of their education”.

Hans Lehmann, Vice Principal, EUC Syd



“EUC Syd was among the first to take up the challenge of ProjectZero when we started the project in 2007. The school has put sustainability at the top of their development strategy and practices what it preaches whenever buildings are renovated, new partnerships entered into, or new courses developed. EUC Syd is therefore a particularly competent and responsible partner, both for ProjectZero and others wishing to transform towns, companies, lines of business, housing etc.”.

Peter Rathje, Managing Director ProjectZero

About EUC Syd

ErhvervsUddannelsesCenter Syd - EUC Syd – which means “Vocational Educational Centre South” – is the largest educational institution in South Jutland. Every year we deliver trainings or supplementary education to 25,000 people, helping them build their career. We make sure that both companies, staff and students keep their fingers on the labour market’s fast pulse and evolve with ease on the international market.

EUC Syd offers 75 long- and short- term vocational programmes and more than thousand AMU – Adult Vocational Training – and supplementary training courses. We house the Teknisk Gymnasium Sønderjylland (HTX) – Technical Upper Secondary School -, the internationally recognised International Baccalaureate Diploma programme which is taught in English, and the new EUX which combines vocational training and upper secondary school subjects. Furthermore, EUC Syd serves as VEU centre – Adult and Supplementary Education Centre – in the region South Denmark.

All our educational programmes and courses prepare students, course participants and companies to cope with real life’s challenges. Our teaching is both rooted in the individual student’s needs and competences and responding to the demands in the field.

The Teachers



Christian Stamholt

Teaching: Technology for carpenters and civil construction workers
Work experience: Carpenter, Building Designer for architects, Building Designer for a bungalow construction company
Certificates and Diplomas: Carpentry, Building and Construction Management



Jens Christian Thomsen

Teaching: Bricklaying, Tiling, Roofing, Masonry, Energy Optimization, Drawing
Work experience: Bricklayer in Nordic Europe, Contract Manager in the Building and Construction Sector
Certificates and Diplomas: Bricklaying, Bachelor of Science in Engineering, Energy Counsellor



Martin Andresen

Teaching: Carpentry and Energy Solutions
Work experience: Carpenter, Construction Project Manager, Construction Advisor
Certificates and diplomas: Carpentry, Building and Construction Management, Energy supervision



Claus Fuglsang Herskind

Teaching: Plumbing and Energy Efficiency
Work experience: Plumber and pipe fitter, Project Manager in Piping and Instrumentation
Certificates and diplomas: Building and Energy, Construction and Heating, Heat Pumps, Isometric Drawings and Piping and Instrumentation



What former participants say about BGES Thermal Shell

“For me, this 2 week-training at EUC Syd was more than enriching. Through our expert Danish teachers, we have been delivered a top quality teaching. I attended this seminar because I wanted to be acquainted with the latest knowledge in thermal insulation. I wish to start my own company. In that respect, it is a strong asset to possess competences in a field with a high growth potential.”

Arnaud Lovichi, former Head of AOCDTF Cagnes-sur-Mer and Corsica, Owner and Managing Director of A.L.Toiture



College Hostel

Our College Hostel is located 5 minutes away from EUC Syd's Headquarters in Sønderborg. Town centre, beaches and forest are all within walking distance.

The hostel has 144 single or twin furnished bedrooms with private bathrooms and free access to internet. The hostel is equipped with gym facilities and relaxing sitting rooms.

Breakfast and dinner are served in the canteen. They consist of a buffet made of a variety of healthy dishes and food.



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EUC Syd

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