

LDV Mobility PHASE

Passive Housing and Sustainable Energy technology through timber frame construction – PHASE IV

Training Programme Details

About PHASE

The PHASE Project IV (PASSIVE HOUSING AND SUSTAINABLE ENERGY TECHNOLOGY THROUGH TIMBER FRAME CONSTRUCTION) has evolved from the successful PHASE I project run in 2010/11, PHASE II project run in 2011/2012 and PHASE III run in 2012/2013 by CIT. It is aimed at people in the labour market (PLM) who have a trade and or a higher certificate (or higher) in the areas of construction or facilities engineering to provide up skilling in the field of energy efficiency in buildings. To date approximately 170 people have completed the programme. The Programme is funded by the European Commission - Leonardo da Vinci Programme Fund, which is administered by Leargas in Ireland.

Training will be hosted by KOMZET Germany, (Centre of Vocational Excellence in Energy Efficiency in Buildings), with a special emphasis on timber frame construction. Training will be over a two week period and a total of 80 people will be trained as part of the project.

The project has been developed because:

- It is widely recognised that the German construction industry is relatively advanced in the field of low energy buildings and associated training.
- The Biberach region of Germany is a centre of excellence in sustainable energy and passive houses using timber frame technology.
- There is an opportunity complement the theory obtained from the participant's primary education with practical work experience.
- The Kompetenz Zentrum für Holzbau und Ausbau in Biberach and participating companies in the region offer an ideal opportunity to give participants hands on experience in the design, development, and construction of passive houses.
- This practical experience that will increase participant awareness of opportunities to either find employment, progress in their current roles, or develop their own business to incorporate passive house technology.

The PHASE IV Project aims to:

- Enhance knowledge in the field of sustainable building of people in the construction sector in Ireland
- Develop new skills in the field of Low Energy and Passive House building technology (e.g. air pressure testing) for participants
- Expose participants to working practices and specifications in German construction related companies (timber production, window production, prefabricated house manufacturer etc.)
- Compare and contrast Irish and German Building standards and regulations
- Increase participant's knowledge of German culture and language.

LDV Mobility PHASE

About IT Blanchardstown

The central mission of the Institute of Technology Blanchardstown (ITB), established in 1999, is to serve students and the community by achieving consistently high standards of relevance and quality in teaching, research, development and consultancy.

The Institute is committed to lifelong learning and 'second-chance' education and has therefore developed an active adult continuing education programme. There are close to 3,500 registered students in the current academic year across full-time, part-time and apprenticeship programmes. There are four departments in the institute as follows: Department of Engineering and Trades, Department of Business, Department of Humanities and Department of Computing.

In recognition of the significant changes in the Construction sector, the Trades department is striving to provide the most relevant training programmes possible to cater for the changes in the industry and to provide up-skilling and re-training possibilities for qualified craft workers. Currently, the emphasis is on course development in the field of energy efficiency in the built environment.

ITB are a partner of the Build Up Skills Ireland project (<http://ireland.buildupskills.eu/>) which is EU funded through the Intelligent Energy Europe programme. The institute was responsible for producing the national analysis of status quo report on energy training for building workers. The research undertaken as part of this project has identified significant skills gaps in the construction sector which are creating a barrier to the achievement of national and EU energy saving targets for 2020.

This programme of training is an example of the Institutes commitment to link its academic work with its development work.



About KOMZET

KOMZET- (Kompetenz Zentrum für Holzbau und Ausbau) has been making innovative contributions to the development of the vocational further and advanced training both in theory and practice in Germany and the European Union since 2004. KOMZET offers further education training on energy saving, business administration, technical aspects and IT such as "consultant on energy-saving in buildings", "management in timber construction", "computer management", "air tightness of buildings". KOMZET addresses different target groups from craftspeople, foremen, masters to planners and architects.



ENERGY SAVING TIMBER CONSTRUCTION

Since 2008, KOMZET has developed as a centre of vocational excellence Germany-wide in the field of "energy-saving in timber construction". Training materials have been developed and delivered to timber construction companies, apprentices, further training candidates, builders, planners and architects.

LDV Mobility PHASE

KOMZET has already hosted a wide range of trainees from other EU Countries including approximately 170 participants under the PHASE I, II and III programmes. The KOMZET building in Biberach has accommodation, catering, training and meeting facilities. In the adjacent ZAZ Centre full facilities for technical training on timber frame construction are available which are used for training of carpenters and those involved in the timber industry.



Programme Content

Participants in the training programme will complete two aspects of training. Firstly language and cultural training will be provided (in Ireland) with technical training provided on energy efficient timber frame construction (in Germany).

Language and Cultural Training

Approximately 30 hours of language and cultural training will be provided to the participants over a three week period prior to departure. Basic German language training will be provided and will include both conversational German mixed with some technical terminology.

The participants will also receive information about:

- The geographical location of Baden-Württemberg, especially Biberach an der Riß
- The history of the city
- German typical customs, foods and culture
- The history and tradition of the carpenters in Baden-Württemberg
- The training system and companies in Germany in the field of timber-frame and Passivhaus

Technical Training

Technical Training (delivered in English) will occur over a two week period. Training will be a mixture of lectures, computer sessions, practical skills and site visits.

The following subjects will be covered:

- Timber construction systems – common methods and standards
- Air tightness – theory, practical demonstration and blower door testing
- Timber and earth construction methods
- Computer applications and simulation tools
- Timber Product quality
- Building Physics – thermal bridges, condensation
- Heating and Ventilation Systems
- Design principles
- Insulation Materials

Training/placement will be held Monday to Friday. All training will be delivered by expert staff from KOMZET. Theoretical knowledge is mixed with practical demonstrations to enhance learning experience. Visits and exposure to the entire sustainable building construction chain is used to back up the theoretical knowledge. The programme involves approx. 4 days of visits and practical exposure with 6 days of theory/classroom exercises. Training is provided by experts in the field of sustainable construction.

LDV Mobility PHASE

Training Dates

The following training dates have been confirmed and applicants can select their preferred date for training. While every effort will be made to accommodate the preferences of applicants there will be a maximum of 23 participants sent on each training session to Germany and therefore participants may have to accept a non first-choice placement date.

Group No.	Language & Culture Training Dates ¹	Language & Culture Training Location	Training dates in Germany
Group 1	Completed	ITB, Blanchardstown Road North, Dublin 15	11 th May – 25 th May 2014
Group 2	Completed	ITB, Blanchardstown Road North, Dublin 15	6 th July – 20 th July 2014
Group 3	Completed	ITB, Blanchardstown Road North, Dublin 15	5 th October – 19 th October 2014
Group 4	13 th February – 25 th February 2015	ITB, Blanchardstown Road North, Dublin 15	1 st March – 15 th march 2015

Support Provided

Through the European Commission - Leonardo de Vinci Programme, administered by Leargas in Ireland, IT Blanchardstown will provide support to participants for the following costs:

- Travel Costs
- Accommodation and Subsistence Costs
- Language and Cultural Training
- Technical Training Costs

The Institute will provide all travel documents (tickets etc.) and work with KOMZET to arrange accommodation and subsistence facilities. Participants will NOT be able to make their own travel or accommodation arrangements as these will all be managed by IT Blanchardstown and KOMZET.

Responsibilities

Those who are accepted onto the programme are required to:

- a) Commit to attending the Language and Cultural Training
- b) Commit to attending the Technical Training on the dates assigned
- c) Submit a copy of your EHIC Card (European Health Insurance Card [formerly the E111 form]) see <http://www.ehic.ie/> and a copy of your current passport
- d) Complete of all the relevant documentation as required by the Institute
- e) Adhere to the Institutes and KOMZETs relevant codes of conduct
- f) Complete an online evaluation of the programme

¹ Note: Language and culture training dates are indicative and are subject to change

LDV Mobility PHASE

Terms and Conditions

1. Participation in the scheme will be on the basis of an application form being submitted and assessed. The closing date for applications is as soon as possible, as demand for places is high. There may be other application phases depending on the interest and demand for the programme.
2. Only the ITB PHASE Application form, available at <http://www.itb.ie/PHASE> can be used.
3. Applicants will be assessed on their eligibility under the following categories
 - a. Working or previously worked in the construction sector (50%)
 - b. Ability to travel and participate in training (25%)
 - c. Indication of how the programme will be used to influence their future career (15%)
 - d. Evidence of previous training or up skilling in the area (10%)
4. The assessment will be completed by qualified staff within the Development Office and the decision of the assessment panel will be final.
5. While applicants can indicate a preferred date for training the Institute may not be able to accommodate such preferences and will make offers based on availability of dates.
6. A maximum of 23 participants will be sent on the Technical Training programmes.
7. Successful applicants will be offered a place on the programme by letter from IT Blanchardstown. Confirmation of acceptance of this offer has to be returned to the Institute within 2 weeks of the date of the letter of offer. This must also include confirmation that the participant will attend the relevant cultural and language training and is available to travel to Germany on the relevant dates.
8. Attendance at the first night of language and cultural training is compulsory. Failure to attend will result in the offer of the place being revoked and the place being offered to those on a waiting list.
9. Those who wish to cancel their participation in the programme must provide a minimum of two weeks' notice to the Institute before the start of the language and cultural training. If sufficient notice is not received ITB will have to bill the participant for any costs incurred (e.g. flight bookings etc.).
10. Successful Participants must abide by the Institutes and KOMZETs (host organisation) Terms and Conditions. In particular the following guidelines must be adhered to:
 - Participants are expected to demonstrate high standards of personal conduct at all times.
 - Participants are expected to ensure that their behaviour does not bring the Institute into disrepute or damage the Institute's future relations with the host organisation.
 - Participants are expected to be present at training in the host organisation in accordance with the arrangements made prior to commencing the training placement. Should the participant be unavoidably absent at any time it is their duty to notify the host organisation coordinator as soon as possible. Absence due to illness should be supported by a doctor's certificate and time lost through illness should be made up, where possible in accordance with the host organisation's policies and procedures. ITB should also be informed by email or phone.
 - Once a participant commences training with the host organisation any absence must have prior approval, preferably in writing, in accordance with the host organisations normal arrangements.
11. Participants will be required to hold an EHIC (European Health Insurance Card, formerly E111) prior to departure. Other insurance details will be confirmed upon offer of a place on the programme.
12. Participants are responsible for providing all relevant clothing, safety and other materials as indicated once accepted onto the programme

LDV Mobility PHASE

Contract Check List

Please make sure you have completed the following before returning your complete contract ;

- Page 1 Check that your Name and Address are correct ☐
- Page 3 Sign and insert Date and Address ☐
- Page 5 Sign and Date in the Participants Section ☐
- Enclose a copy of your Passport ☐
- Enclose a reference ☐
- Please confirm your highest educational achievement ; _____
- Please confirm if you are currently Employed or Unemployed ; _____
- Have you any special Dietary Requirement ; _____
- I am aware that it is my personal responsibility to make ITB aware of any medical conditions that may affect my participation in the programme _____

- Have you ever before received funding under the Leonardo Da Vinci European Mobility Fund ? ☐ Yes ☐ No
- If Yes, please state name of programme and Institue attended ; _____

Signed : _____ Date : _____

Please note ; You will be required to submit a copy of your EHIC (European Health Insurance Card / E111) on the 1st night of the Language & Cultural Training.