

Organizer: International Safety and Health Construction Coordinators Organization (ISHCCO)

Session will be addressing qualification of main actors in safety and health in Europe. It will present also some examples on how to prepare the future for the approaches and requirements to an evolving digital environment for safety and health. A session is a mixture of research, professional and practical work combined with presentation of case studies. It will start with a presentation of a qualification framework of construction coordinators of safety and health with competences for three levels of the European Qualification Framework. It will continue with the presentation of a case study concerning technologies to use in different types of roofing. The third presentation will consist of the analysis of cost benefit in prevention of accidents in construction

case studies. The fourth speaker will present the case studies of using digital tools to train and prepare engineers and workers to avoid unnecessary risks in construction. The fifth presentation will show how risks can be communicated from the preparation stage coordinator using notes on drawings and explore how this might be achieved more effectively in the digital environment when using Building Information Modelling and 3 dimensional drawing models. The last theme will present augmented reality environments to support construction companies to have safer environments. Last period is planned with open discussion and with presentation of main conclusions.

Chair:

Erich Leschetizky, International Safety and Health Construction Coordinators Organisation (ISHCCO)
Signe Mehlsen, Byggeriets Arbejdsmiljøbus, Denmark

15:00 Opening

Erich Leschetizky

15:05 Relevance of Qualification Frameworks in a Zero Accident Future

Dr. Reinhard Obermaier, International Safety and Health Construction Coordinators Organization (ISHCCO)

15:20 Evaluation to the application of GL 92/S76EC

Dr Erwin Bruch, SECOLUX, Luxembourg

15:35 Securiplac Kit

Michael Hitchcox, Dimos, France

15:50 Break

16:00 Digital Tools to train Engineers and Workers

Prof Alfredo Soeiro, ISHCCO/ Ordem Engenheiros, Portugal

16:20 Communicating Risks to Constructors

Philip Baker, bps solutions LTD, United Kingdom

16:40 Augmented Reality Tools to Help Construction Companies

Helmut Weißengruber, DoKa GmbH, Austria

16:55 Concluding Remarks and Discussion

Prof Alfredo Soeiro, ISHCCO

17:10 End