

7th International Construction Safety and Health Conference and Exhibition of Equipment and Services

«Vision Zero: Evolution or Revolution? The future is now! → Mission Possible!»

5th and 6th of November 2021, in Hotel Hilton Nicosia, Engomi, Cyprus.

1 Welcome Address

- Mrs. Zeta Emilianidou, Minister of Labour, Welfare and Social Insurance Cyprus deputised by Mr Andrea Zachariades, general director of the ministry
- Mr. Costantinos Constanti, President of Cyprus Scientific and Technical Chamber
- Dr. Reinhard Obermaier, President of ISHCCO
- Mr. Andreas Theodotou, President of Cyprus Association of Civil Engineers

2 Keynote Speech

- COVID-19 and Lessons Learned in the German Construction Industry
(Mr. Hansjörg Schmidt-Kraepelin, CEO BG BAU, Germany) (virtual)
(Mr. Christopher Wohland, Head of the BG BAU Department of Internat Services, Germany)
- Vision Zero - Experience
- Vision Zero tools developed by the ISSA Construction
(Prof. Karl-Heinz Noetel, BG BAU, President ISSA-Construction Germany)
- Building Competence, Training Programs for Vision Zero
(Mr. Helmut Ehnes, Secretary General ISSA-Mining, Chairman of the Vision Zero Steering Committee, Germany)
- Experience of the Project Players
- Vision Zero - The role of the Client (Project Owner) - A Zero Accident Project
(Dr. Gregoris Panayiotou, PhD. MSc. CEng. MIMechE. Executive Engineer, Sewerage Board Limassol - Amathounta, Cyprus)
- Vision Zero - How can Civil Engineers contribute?
(Mr. Avijit (Hash) Maitra, BSc CEng FICE AIOSH, Director 3EA Consultants, UK) (virtual)
- Vision Zero - How can Architects contribute?
(Mr. Philip Scott, BA Arch MCSD RFaPS TechIOSH. AIIRSM Associate Director (retired), UK) (virtual)
- Vision Zero - The role of the Contractor
(Dr. Jens Jühling, Secretary General ISSA-Electricity, Germany)
- Vision Zero - Safety and Health Coordinators (Qualifications and Competence - ISHCCO Proposal)
(Prof. Alfredo Soeiro, University of Porto, Vice-President of ISHCCO, Portugal)
- Safety and Health integrated in BIM (Building Information Modelling) and other Practical Tools
- Tools developed in the United Kingdom - Using BIM to support Safety and Risk Management
(Mr. Scott Kerr, Director 40 Technical Consultancy Ltd, UK)

- BIM and the case of fall protection in Germany
(Mr. Marcos Hili, LIST Digital, Germany)
- Tools Developed in the USA
(Dr. Knut Ringen, CPWR, USA) (virtual)
- Innovative Solutions
- Modern construction management - Work-family balance
(Prof. Manfred Helmus, University of Wuppertal, Germany)
- International Examples for Communication in Prevention
(Mrs. Sabine Herbst, Deputy Manager of section "Co-operation", DGUV)

3 Digitalisation in Construction

- Introduction of Construction systems (robots) that improve Production and Safety
(Mr. Takashi Kawata, Standing Advisor of Shimizu Corporation, Japan) (virtual)
- Artificial Intelligence in Construction
(Mr. Angelos Nicolaou, Director of SEKTOR,build, Cyprus)
- A novel IoT-connected smart boot insole for Health and Safety
(Dr. Panayiotis Philimis, CYRIC Company, Cyprus)
- Unmanned Aerial Vehicle UAV for occupational safety on construction sites - Practical Demonstration with Drone
(Prof. Manfred Helmus and Mr. Nils Koch to Krax, University of Wuppertal, Germany)

4 Internet based Platform Prevention forum+ (Poster Presentation) - Exhibition

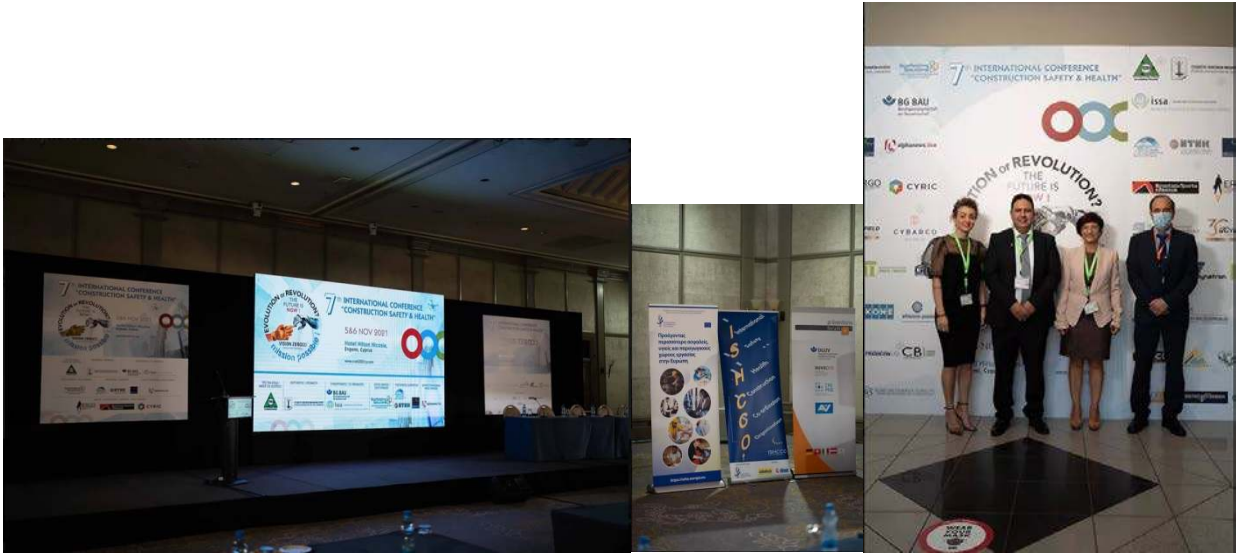
5 Workshops

- WG 1, Leadership commitment, using leading indicators
(Moderator, Mr. Helmut Ehnes, Secretary General ISSA Mining, Germany)
(Co-Moderator, Prof. Karl-Heinz Noetel, BG BAU, President ISSA-Construction, Germany)
- WG 2, How the pandemic changed the construction sector
(Moderator, Prof. Alfredo Soeiro, University of Porto, Vice-President of ISHCCO, Portugal)
(Co-Moderator, Prof. Manfred Helmus, University of Wuppertal Germany)
- WG 3, New ways in digitalization
(Moderator, Dr. Jens Jühling, Secretary General ISSA Electricity, Germany)
(Co-Moderator, Ms. Petra Jackisch, BG BAU, Secretary General of ISSA-Construction, Germany)

6 Final Discussion

7 Closing

Pictures



Welcome address of the ISHCCO President (shorted)

Dear Mr. Zacharaiades, Mr Constanti, Mr. Theodotou, Mrs Tsoulofta, Mr. Noetel, Mr. Marangos, MrsKoukotsika

On behalf of ISHCCO I would like to express our gratefulness to the organiser of OSH Congress namely. ISHCCO is the European umbrella organisation on OSH coordination at construction sites, well established in the European countries and construction world as well as accepted by the European Commission, its organisations and the Social Partners

You may ask, what is the task of OSH coordinators construction sites? The answer is: to execute the 7 golden rules of vision zero: planning of a safe, safe erection, safe usage and safe deconstruction of construction objects.

The last two years had forced us into the pandemic situation. What did we learn out from this period: not only occupational safety is the issue, moreover health is important. Although not being desirable situation this period enforced the role of the safety and health construction coordinators. At least we can hope that this period of the importance of safety and health will remain in all our heads.

The pandemic enforced a huge influence to the working situation. It accelerated to up to now unknown extend the implementation of the digitalisation. Nevertheless digitalisation already took place in the construction industry: planning tools, survey equipment, machinery and of course personal computers are well known. Digital controlled machinery is well known. Robots support the construction ever since many years.

The billing process itself is ruled by changes, adaption and delays. Digital techniques can help to govern these deviations and continue the erection process in a safe way.

Of course digitalisation is located in the contrariness of standardisation and individuality. As we all know most of the buildings are highly individual. But the production and erection process can be standardised which also strengthens safe methods of work.

We are convinced that digitalisation can assist safe working construction industry and supporters on our way to vision zero. We also are convinced that mankind still has to conduct awareness and take the decisions.

ISHCCO wishes this Congress success, interesting contributions and good communication and of course pleasure as well as safe and healthy conditions for all.

Thank you for your attention.