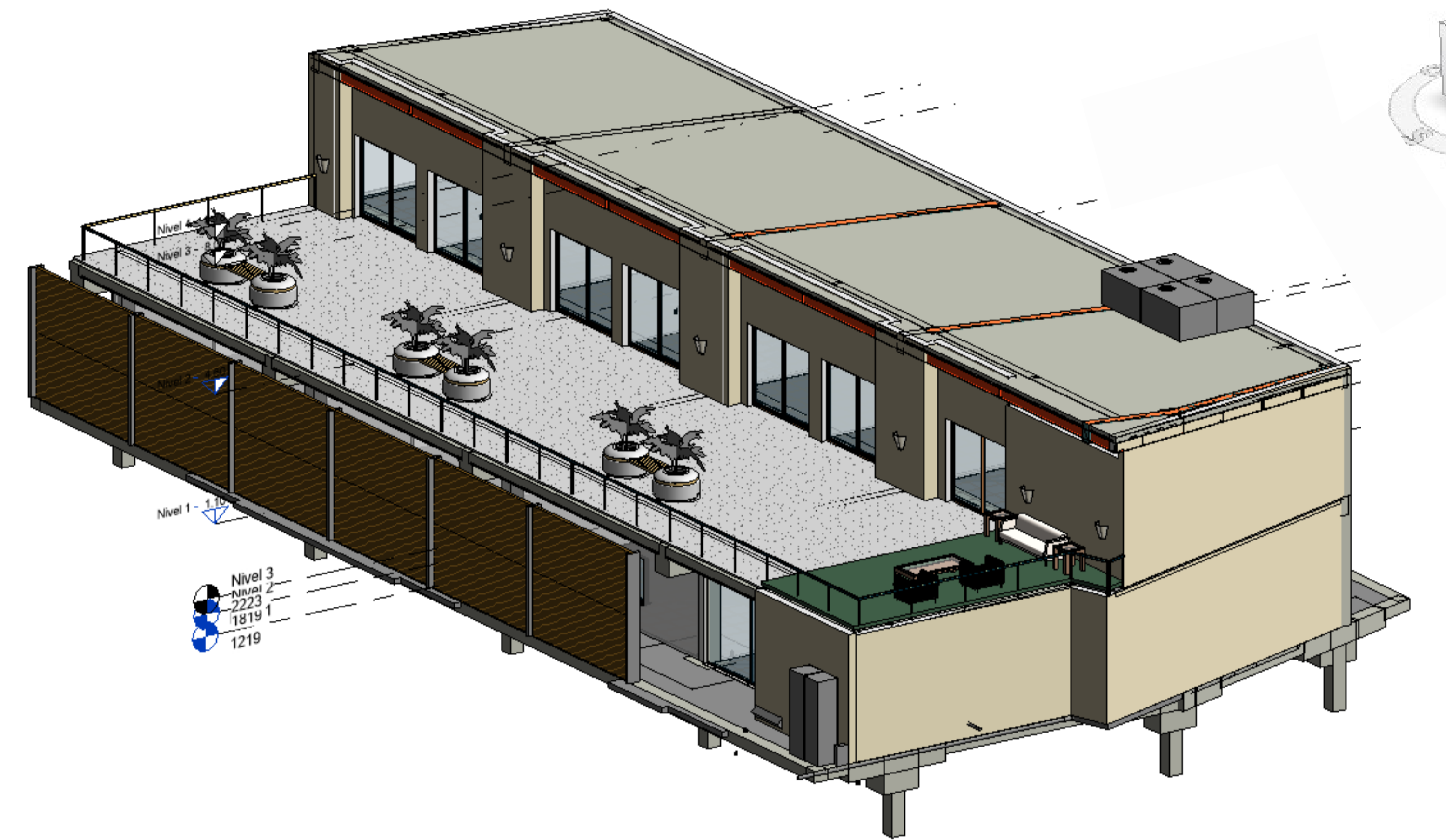
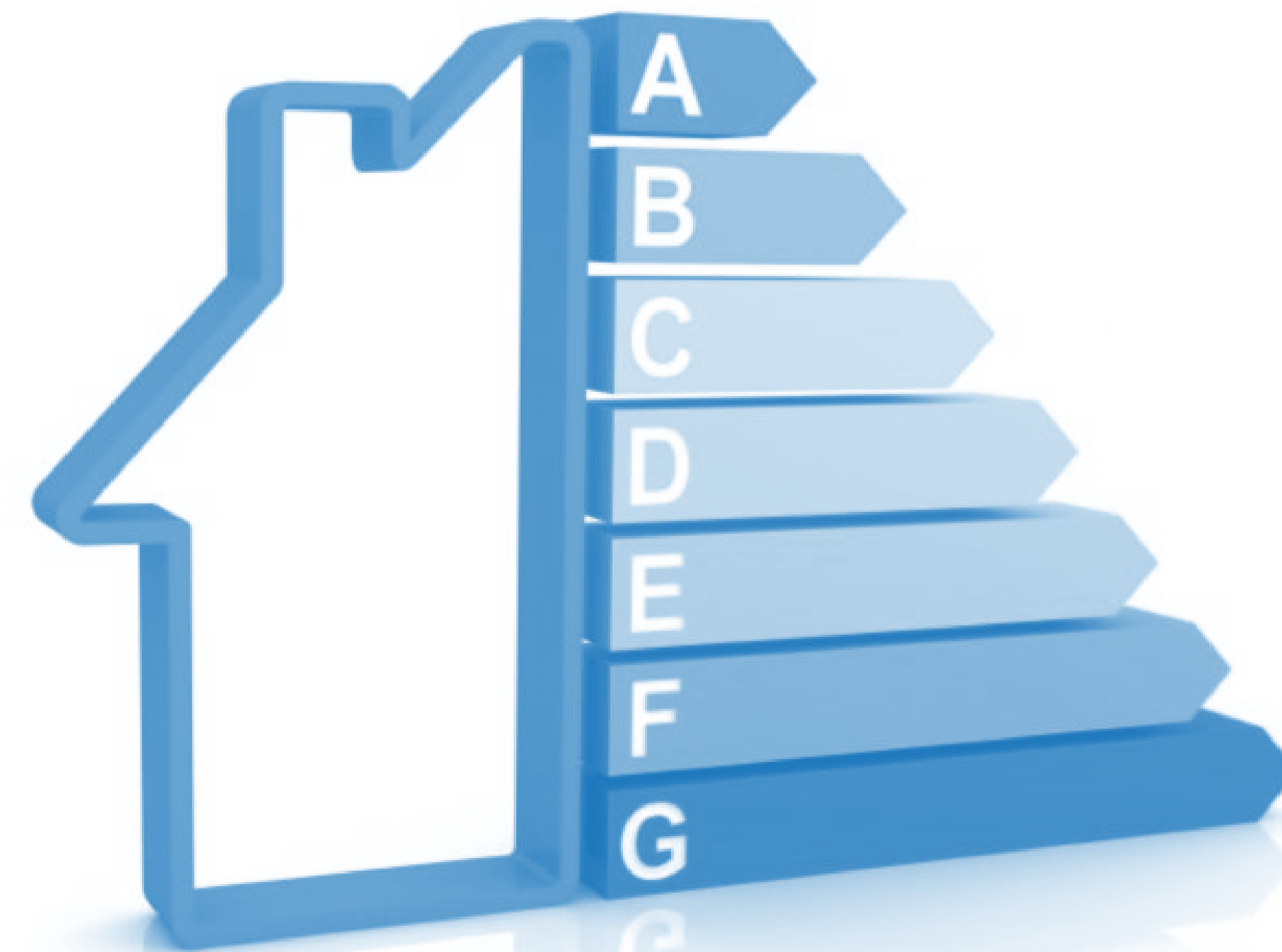
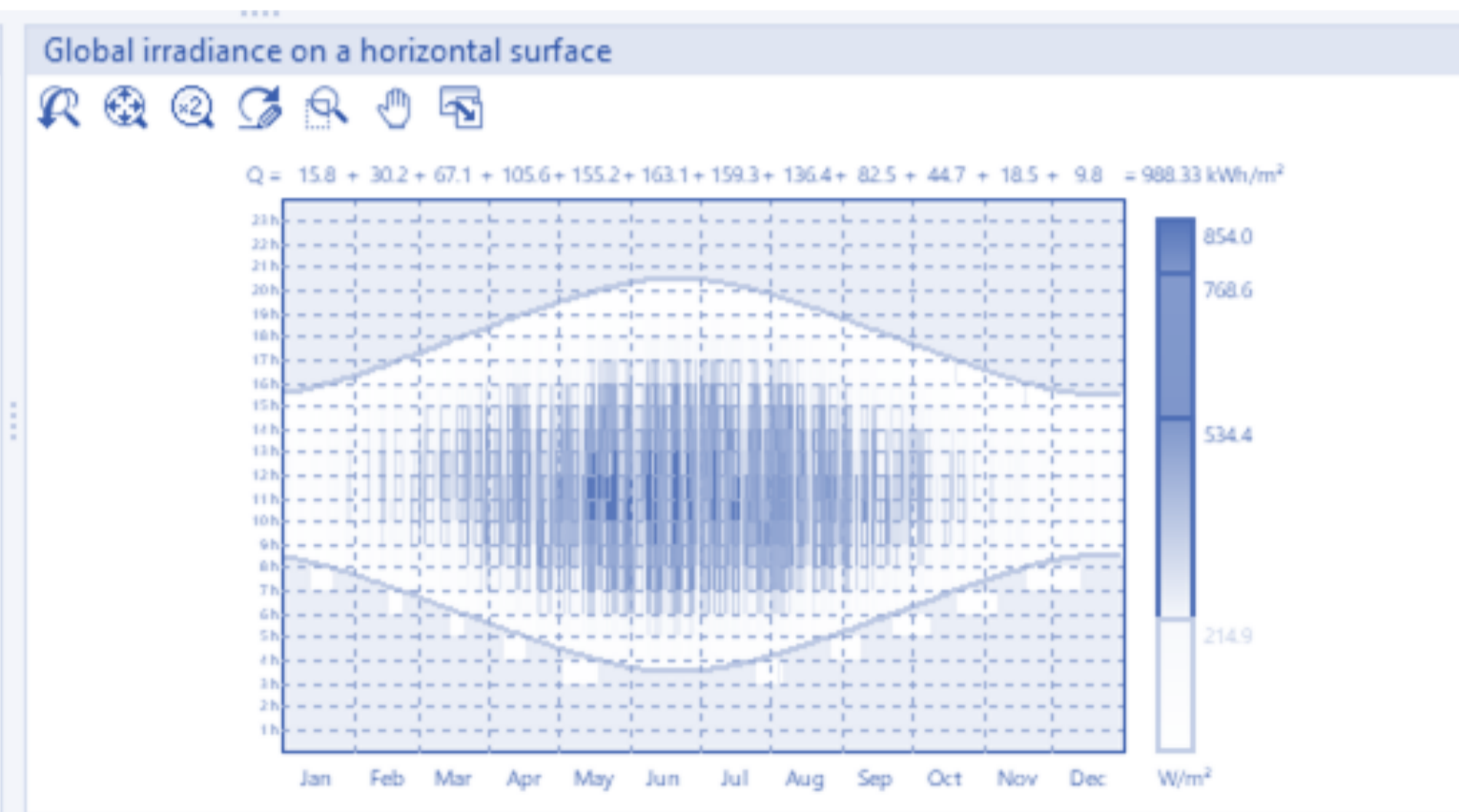
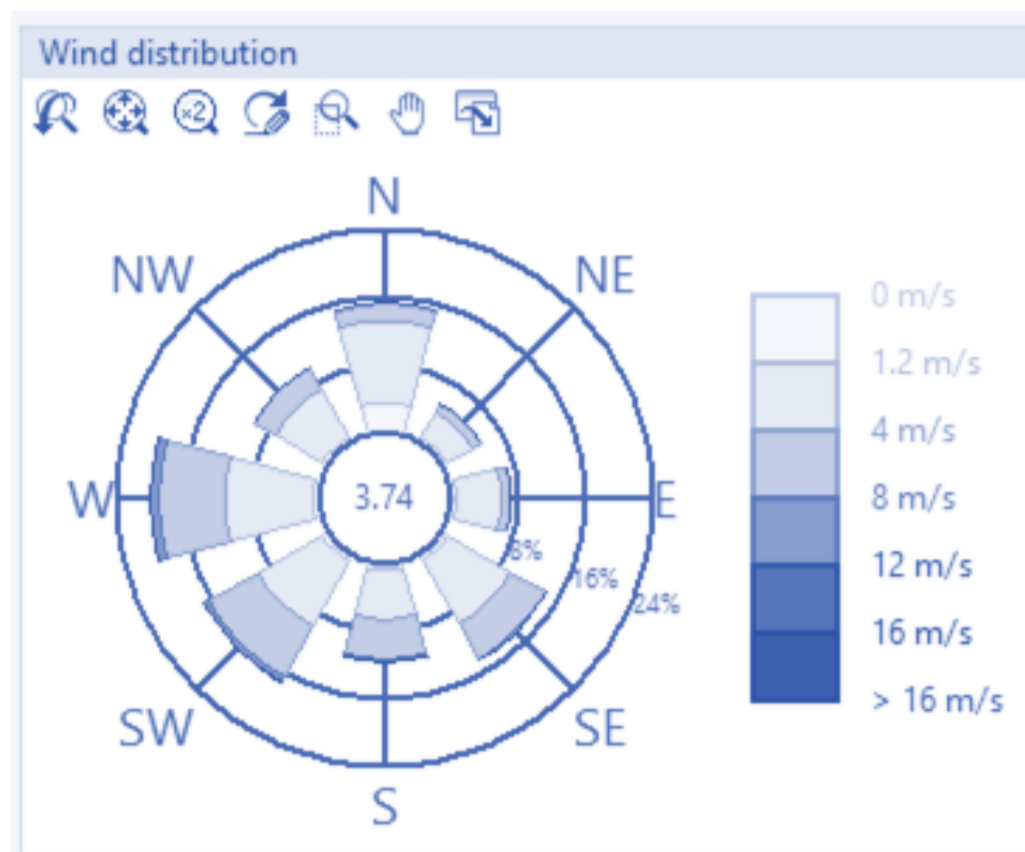
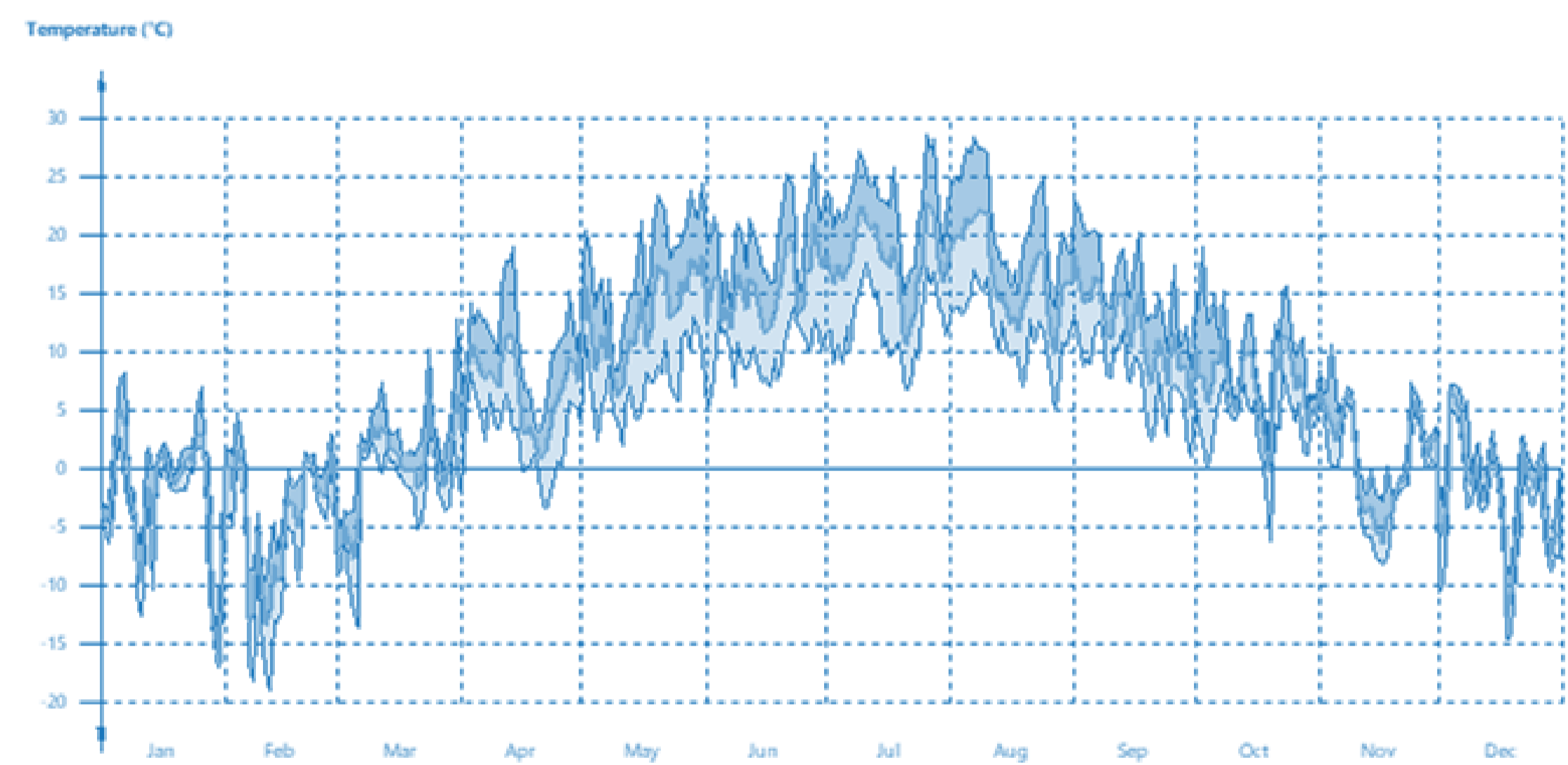


E.T.S. de Ingeniería de Caminos, Canales y Puertos y de Ingeniería de Minas



# BIM4Energy





# BIM4Energy

### Wednesday, February 7th – BIM4Energy Project Day:



- 9:30 – 10:00 Welcome to the UPCT. Greeting of Faculty of Civil & Mining Engineering Dean.
- 10:00 – 10:15 **New European Directive on Energy Efficiency in Buildings & New European Bauhaus.**  
**Speaker: Marcos Ros, Member of the European Parliament,**
- 10:15 – 11:00 Experience in teaching BIM at UPCT. Master in BIM Methodology for the development of Infrastructure projects.
  - UPCT in BIM4Energy project
  - Approach for the Spanish and Lithuanian and Spanish Case Study
- 11:00 – 11:15 **Coffee Break**
- 11:15 – 12:15 Experience in teaching Green Buildings at Technical University of Cluj Napoca (UTCN).
  - Master in Green Buildings
  - UTCN in BIM4Energy project
  - Approach for the UTCN Case Study
- 12:15 – 13:15 Experience in teaching BIM at Vilnius Builder training Centre and presentation about Importance of Awareness of Energy Saving. **VSRC.**
- 13:15 – 14:30 **Lunch break at UPCT.**
- 14:30 – 15:30 **Ayuntamiento de Ceutí:** Experience in European projects, Efficiency and Sustainability

### Thursday, February 8 – Building Energy Efficiency Day

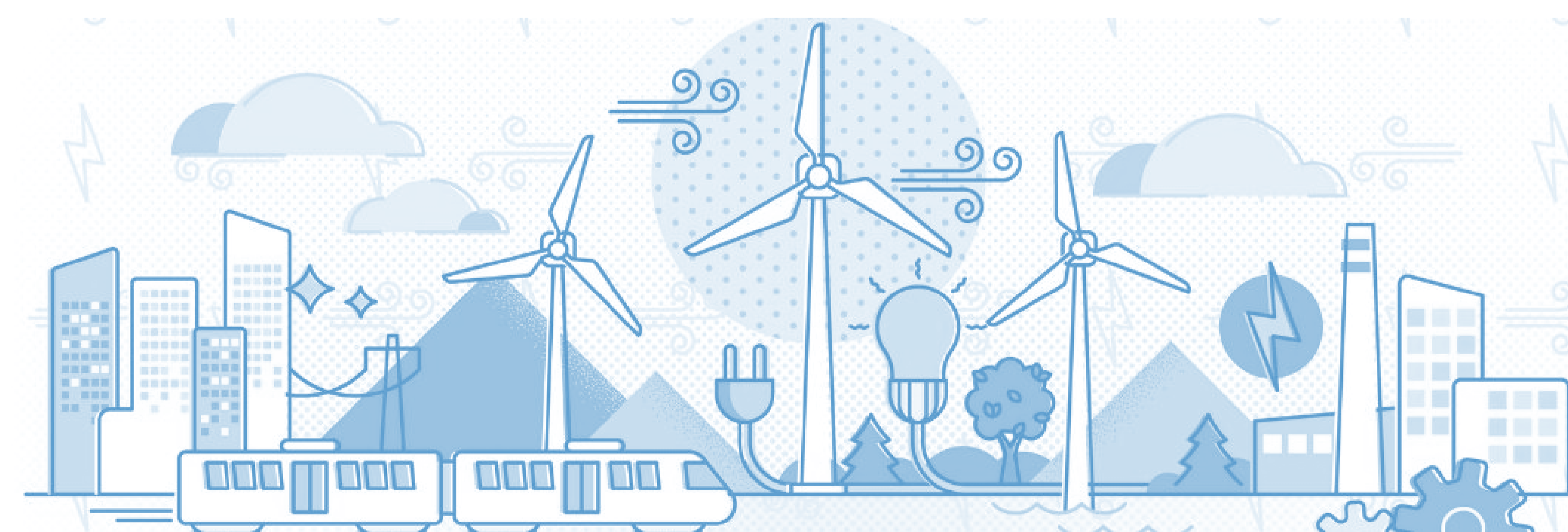


- 9:30 – 10:30 Basic concepts on energy efficiency of buildings. **VSRC**
- 10:30 – 11:30 Properties and behaviour of the building thermal envelope. Several cases. **UPCT**
- 11:30 - 11:45 **Coffee break.**
- 11:45 – 12:15 Current Heating, Ventilation and Air Conditioning systems (HVAC) systems and Energy Vectors. **UTCN.**
- 12:15 – 12:30 Energy efficiency of existing buildings in Norway. - **Ramboll**
- 12:30 – 12:45 Energy efficiency of existing buildings in Lithuania. - **VSRC**
- 12:45 – 13:00 Energy efficiency of existing buildings in Romania. - **Alba Iulia Municipality.**
- 13:00 – 13:15 Energy efficiency of existing buildings in Spain. – **Ayuntamiento de Ceutí.**
- 13:15 – 14:30 **Lunch break at UPCT.**
- 14:30 – 15:00 BEE certifications and Green certifications. **UTCN.**

### Friday, February 9 – BIM-BEE Tools day



- 9:30 – 10:30 Alternatives for improving the Energy Efficiency in existing buildings. **UPCT**
- 10:30 – 11:15 Requirements and difficulties to apply for grants for the energy rehabilitation of buildings. – **Ayuntamiento de Ceutí**
- 11:15 – 11:30 **Coffee Break**
- 11:30 – 12:00 Introduction to BIM (UPCT). Objectives; BIM Uses; BIM Dimensions; Open BIM. **UPCT**
- 12:00 – 13:00 Good practices using BIM to determine the energy efficiency of buildings in Norway. **Ramboll.**
- 13:15 – 14:30 **Lunch break at UPCT.**
- 14:30 – 15:30 Use of BIM tools for energy assessment of existing buildings in Spain. **UPCT**



E.T.S. de Ingeniería de Caminos, Canales y Puertos y de Ingeniería de Minas

