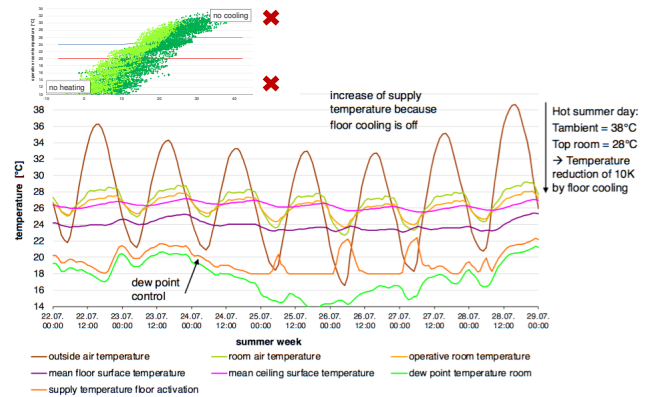


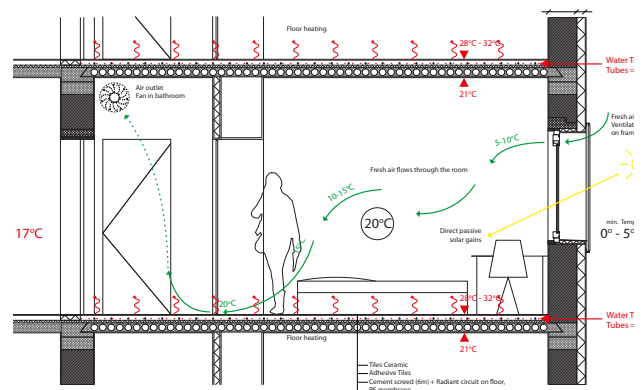
Energy Efficient Rehabilitation

International competition reconstruction of four student dormitory buildings in Student City 2 **location** Tirana, Albania **client** Albanian Ministry of Economy, Trade and Energy, KfW **services** concept, building design and realization, Lph 1-8 **status** under construction (2017) **partners** Martin Sobota **team** Bruno Pereira, Karolina Wrozowska, **cooperation** Symbiotica, Grontmij, Integration

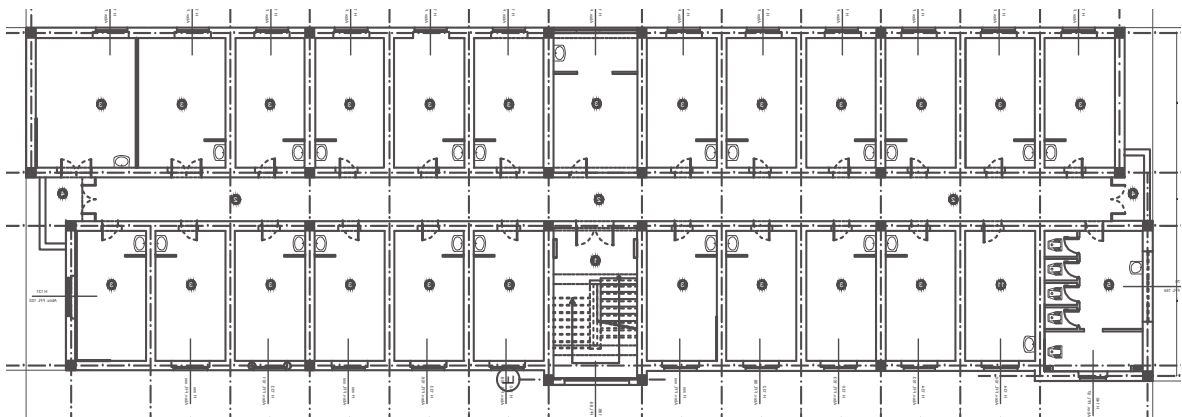
Our reconstruction concept of Tirana's „Student City 2“ aims to show the great potential for particularly thermal energy savings in construction, modern student housing and is showcasing a well performing example how public and private sector can interact. As the buildings suffers from massive deterioration on the inside, main focus of the energy concept lays on a replacement of all basic infrastructure, including a adequate ventilation and heating systems as well as new windows as its centrepiece to remedy humidity. Different subdivisions of student rooms with joined shared bathrooms and modifications in use of common rooms allows spacious privacy and reacts on students needs. Applying a complementary colored orientation and material system for each dormitory allows visual indication of buildings, floors and rooms and provides „Student City 2“ with a unique identity. As the roofs of the buildings offer common space, they can be used according to public or economic visions of its users and leverage „Student City 2“ to be Albania's pilot energy efficiency project.



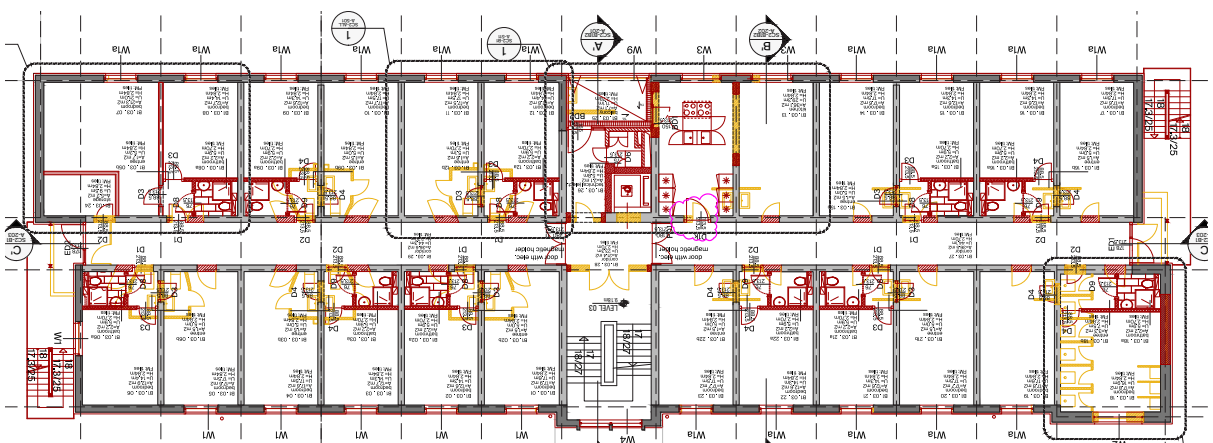
Temperature simulation Typical Summer Week



Room ventilation and heating scheme



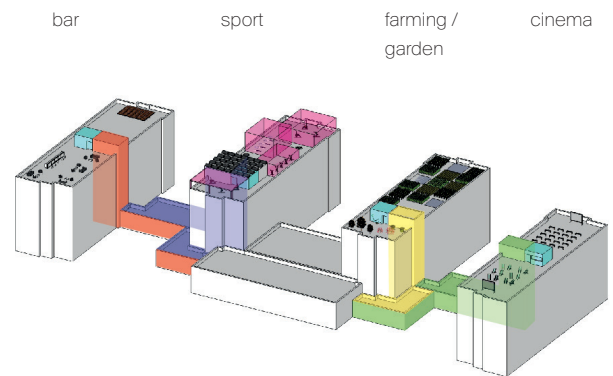
Before



After



"Shades of..." - Concept



Colored orientation system with rooftop functions



Interior room view



Interior floor view



After & before - under construction