

SUSTAINABLE CONSTRUCTION



Creating and operating a healthy built environment based on resource efficiency and ecological design



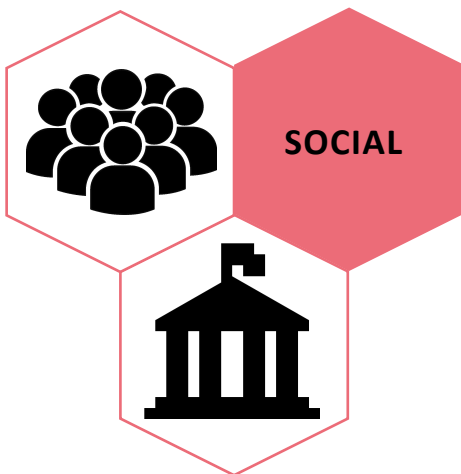
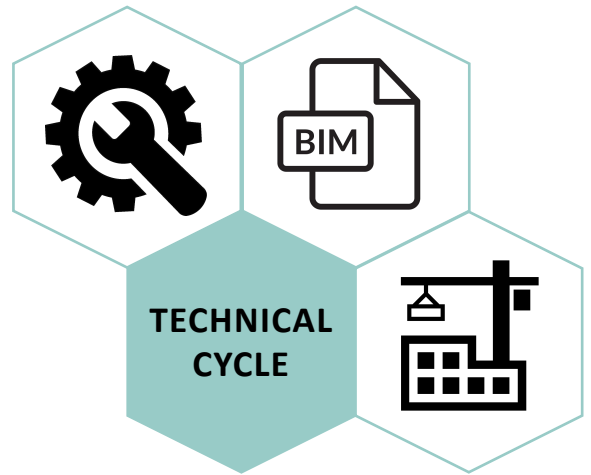
SUSTAINABLE DEVELOPMENT

Development that meets the needs of the present without compromising the ability of future generations to meet their own needs



- ✓ Structural stability of all materials
- ✓ Hygienic sanitary requirements
- ✓ Natural lighting
- ✓ Indoor air-quality & microclimate
- ✓ Thermal & acoustic insulation (no thermal bridges)
- ✓ Privacy & security
- ✓ Sustainable materials & building biology

- ✓ > 70% of all building materials / furniture deriving from secondary sources
- ✓ > 80% of the overall construction designed to be deconstructable
- ✓ >90% of energy demand covered by on-site renewable energy sources
- ✓ Use of alternatives to cement clinker
- ✓ Carbon-neutral construction
- ✓ PV & greens on façade and/or roof
- ✓ Building Circularity Passport & Madaster



- ✓ Targeted involvement of residents & users in the design process
- ✓ Engagement & participation processes of local stakeholders
- ✓ Co-creation of final solutions
- ✓ Support of further sustainable projects
- ✓ Replication of sustainability development model
- ✓ Apply alternative service-oriented business models

- ✓ Green roofs and/or green façades
- ✓ Clean >60% of indoor air with plants
- ✓ Use of >60% nutrients/carbon in wastewater/organic waste
- ✓ Create biodiversity islands with and/or around the building
- ✓ Establish living habitats for more than 30 species other than humans

