

B: Digital Design Meets Digital Use: Active House principles in BIM and smart buildings

- ▶ “Digital Design Meets Digital Use” is a workshop where we explore from the design phase to the operational phase of smart building technologies. Within the design phase, we would discover how to integrate Active House principles into a BIM environment and within the operational phase, we consider the relevance of automation technologies for meeting or even exceeding the Active House Standards. Questions to ponder include: How can we translate the AH requirements into a digitalized form? How do the design and use phases align? What are practical ways of engaging with the end-user? How can architecture and engineering firms and policy-makers facilitate smart building innovation?
- ▶ After contemplating these issues, we would also like to reflect on technical limitations and the significance of the human perspective. Given informed and conscientious design, we believe digital technologies have the potential to take Active House to the next level.
- ▶ Workshop lead: Lara Anne Hale, PostDoc Fellow, and Federica Brunone, PhD Scholar, both researchers in the areas of Design Innovation and Smart Buildings. Dr. Hale is representing VELUX and Copenhagen Business School and Eng. Brunone is working within the Architecture, Built Environment and Construction Engineering Department of Politecnico di Milano and FederlegnoArredo.

