

# Base

From smart facilities to Smart regions

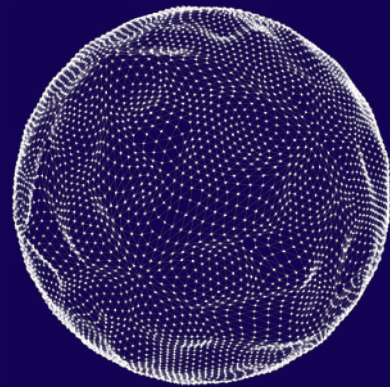
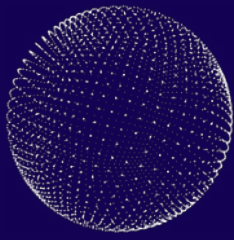
## PUBLIC SUMMARY

The BASE program aims to create desirable solutions for smart facilities, smart cities, and smart environments. The users' needs and possibilities of the technologies are built to fit real-life situations. The BASE program provides new information on situations where selected ATTRACT-1 technologies, such as ECOTAGS and RPM3D, could be applied to be fitted into urban scenarios and settlements.

The program is divided into three parts: Urban facilities, Urban cities, and Urban regions, where the projects exploit the results from prior iterations, both from the technological and user understanding point of view. Partners of the program are Aalto Design Factory/Aalto University, inno.space Design Factory Mannheim/Hochschule Mannheim, and HAMK Design Factory/HAMK University of Applied Sciences. The partners are all part of the Design Factory Global network and aim to create new solutions to challenges provided by their environment.

Methods used in the course support the autonomous decision-making of the students and enhance the collaboration between different stakeholders when creating new proof-of-concept models for the challenges the program partners have given them. The students are supported by the teaching staff and mentors from each school, further increasing the co-creation pedagogy of the multidisciplinary teams. Students must use design methods to empathize with the real users and situations for the produced concepts to meet the desired relevance in the environments they are being produced to. Projects are documented so that they can be re-used in the next course.

The combined result of the course is a mapping of how various technologies meet the requirements of Smart cities and how they can be used to improve the lives of the users, measure the environmental changes, and create a new understanding of the urban environment.



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