

RDI: Adaptive reuse of industrial heritage sites in real-life case studies. The transformation of Hengermalom

Classroom ☐
 Studio or workshop ☐
 External venue ☐
 Online ☐

Title

M-KF-E-301-FS-252601-03
 M-KF-301-FS-252601-03
 di69-A-2025-26-1-9

Codes

ER-MOME-MA-252601-01

Host

MOME Future School

	Type	ECTS	Contact hours	Homework hour	Course type	Semester	Unit
Basic info	Practice	5	12x4=48	150-48=102	seminar	2025 fall	Research Development Innovation

Recommendation

This course is relevant for students in architecture, design, and management who are interested in how creative actors can shape urban transitions through the reuse of underutilized spaces. It offers hands-on experience with stakeholder engagement, systems thinking, and strategic design in a real-world context. By working with the Hengermalom site and international best practices, students co-develop interventions that translate systemic insights into actionable proposals

Short description

What are the key learnings and outputs? What happen at the course?

The adaptive reuse of the Buda Roller Mills (Budai Hengermalom), an architecturally significant industrial heritage site, began with a temporary use phase in cooperation with the private owner, an architecture studio and an NGO specialised in placemaking. Situated in a rapidly developing property zone along the Danube, the site faces complex challenges around sustainable renovation, defining community functions and engaging stakeholders. Taking this case as a departure point students learn to analyze adaptive reuse through systems thinking, explore diverse international examples, and engage with real stakeholders. Through fieldwork, design workshops, and international case studies, they synthesise learning into intervention concepts. The final output is a proposal —such as a spatial concept, business model, or governance plan — for the Hengermalom site.

Teachers

Name	Contact	Bio	Office hours
Dániel Györfi	gyorfi.daniel@valyo.hu	architect	email appointment
Borbála Vizi	vizi.bori@valyo.hu	architecture student, MOME	email appointment
Daniella Huszár	huszar.daniella@valyo.hu	doctoral student, MOME	email appointment

Semester
schedule

Course scheduling	Class appointments
weekly	Friday

#	Date	Educational content
1	Sept 5	Course Introduction, Site Visit, International Context Course overview, group forming, deliverables Site visit to Hengermalom intro to ownership, history, interim use status Lecture on adaptive reuse types, third place typologies Group exercise - documentation (photo, audio, text), discussion on first impressions, prepare for the European case studies (1 international case per group) Homework - case study research and questions
2	Sept 12	Stakeholders and System Mapping I. Workshop - mapping stakeholders in Hengermalom (owner, municipality, NGOs, residents), discussion on spatial, legal, social, environmental dimensions Introduction to stakeholder interviews

		Lecture on different ownership models of third places (public, private, coop, hybrid), introduction to system thinking and system mapping method Preparation for the stakeholder workshop (groups split organizational tasks for facilitation, comms, setup, documentation). Homework- complete ownership matrix, finalize workshop preparation, conduct 1–2 interviews per group
3	Sept 19	Municipal Ownership – Working with Institutions Guest input from international cases - Kaapeli (FI), Césure (FR) Optional site visit to a municipal reuse example in Budapest Q/A on governance, transparency, program stability Debrief - map pros/cons and design implications
4	Sept 26	Private Ownership – How can creatives build partnerships with developers? Guest input from international cases - Le Sample (FR) Optional site visit to Beltex Ltd. owner of Hengermalom site Q/A on challenges of trust, informality, and flexibility Debrief - map pros/cons and design implications
5	Oct 3	Cooperative and Hybrid Models – Risks and Rewards of Shared Ownership Guest input from international cases - Kollektive Livet (SE) Optional site visit to Ganz Factory Q/A on challenges on roles, decision-making, risks Debrief - Ownership lessons so far
6	Oct 10	Stakeholder Workshop – Collaborative System Mapping Creating a large system canvas with invited stakeholders, exploring actor dynamics, tensions, and leverage points in a World Café style workshop Output - system canvas Homework - Each group identifies and refines an “angle of intervention”
7	Oct 24	Synthesis – Lessons so Far Debrief workshop - surprises, conflicts, power dynamics Introduction to the chunking method for clustering challenges into angles Group task - define 2-3 angles per team (e.g. spatial access, community trust, governance) Homework - draft angle diagram + short narrative
8	Oct 31	From Angles to Directions – strategic design workshop Students develop narratives of change and sketch early interventions based on their selected angles. Using Layers (cultural, policy, spatial), Levels (group, neighborhood, city), and Lenses (sustainability, inclusion, governance), they define strategic directions and identify leverage points.
9	Nov 7	Prototyping I Introduction to design prototyping Groups develop 2-3 low-fi prototypes (space, service, governance) Group discussion on what is being tested? What kind of feedback is needed? Homework - visuals + storyboard or mockups
10	Nov 14	Prototyping II Peer feedback Refine concepts based on feasibility and system fit Frame potential implementation steps Homework - finalize concept materials
11	Nov 21	Finalisation and Presentation Preparation Groups finalise their interventions and develop visual materials for the final presentation and plan logistics including roles, order, and setup. Homework - presentation
12	Nov 28	Final presentations and Debrief Students present prototypes Guest feedback (stakeholders, designers, planners) and discussion Discussion - What did we learn? Realism, limits, next steps Course wrap-up and feedback roundtable

Assignments	Evaluation criteria	Deadline	% in evaluation
Active engagement in group tasks, discussions	Participation, pro-activity	End of the course	25
Stakeholder interview summary (group)	Research preparation, synthesis of insights	Week 5	25
Prototype (group)	Creativity, feasibility, clarity of communication	Week 11	25
Final presentation (group)	Cohesion, design quality, delivery, stakeholder relevance	Week 12	25

Compulsory readings

Hill, D. (2022). *Designing missions: A guide for cities* (Selected excerpts). Vinnova.

Awan, N., Schneider, T., & Till, J. (2011). *Spatial agency: Other ways of doing architecture* (Selected chapters). Routledge.

Wong, L. (2016). *Adaptive reuse: Extending the lives of buildings*. Birkhäuser.

Város és a Folyó Egyesület (2024). *Hengermalom átmeneti hasznosítási koncepció*. Város és a Folyó Egyesület.

Recommended readings

Bishop, P., & Williams, L. (2012). *The temporary city*. Routledge.

Bollack, F. A., & Frampton, K. (2013). *Old buildings, new forms: New directions in architectural transformations*. The Monacelli Press.

Studio Urban Catalyst. (2013). *Second-hand spaces: Recycling sites undergoing urban transformation*. Jovis.

Learnings

Knowledge	Adaptive reuse strategies, ownership models, and stakeholder systems in urban transformation
Skills	Systems thinking and strategic design methods to develop context-sensitive reuse interventions
Attitude	Critical reflection, collaboration, and openness to diverse stakeholder perspectives.
Responsibility	Engage with real-world urban challenges ethically and proactively

Exemption

- ☒ Exemption from attending and completing the course cannot be granted,
☐ Exemption may be granted from the acquisition of certain competencies and the fulfilment of tasks
☐ Some tasks can be replaced by other activities,
☐ A full exemption can be granted

Curriculum link

Subject	Related courses (parallels)	Merit rate in the subject
Title of the course to be covered	[This course]	
	Another course	
	Third course	

Course prerequisites	Prerequisites in case of elective	Is it available as an elective?
-	-	-