

## **ARCHITECTURE. HISTORY AND PROJECT**

## CRT/FULL/DAD - Decommissioning or adaptive reuse strategies applied to hospitals in urban areas.

Funded By	Centro Interdipartimentale FULL FONDAZIONE CRT CASSA DI RISPARMIO DI TORINO [P.iva/CF:06655250014] Dipartimento DAD
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Context of the research activity	Transferring mega hospital structures in urban areas to more peripheral and accessible sites, because of technological progress applied to medicine, seems today an opportunity. However, are urban hospitals built in the first half of the 20th century not adaptable to the new needs of medicine? Should they only be demolished and replaced by new forms and activities? Can we scale them by imagining a low-intensity care system distributed at a metropolitan scale, even changing the urban form?
	Architecture and the city are the never-fixed products of human needs. As their needs change, societies opportunistically modify the spaces they inhabit, changing urban forms and building typologies. Changes could happen gradually or traumatically. Periods of cuts, changes in ideology or policy, and environmental or cultural understanding of people's needs and expectations have closed old forms of provision, industries shut down, or state functions being removed or moved out of the sector. Though difficult and often controversial, this process of "decommissioning" – stopping a service or an approach to meeting needs and redirecting or saving resources – is usual. Decommissioning and abandonment are also often prompted by reductions in public spending and a need to cut back on services. Given the tight financial context and public spending cuts, this is increasingly common across much of the public sector and tends to come with strong negative connotations. However, decommissioning is a resource when it becomes an opportunity to rethink citizens' needs and design the reuse of those sites that are waiting for a new opportunity, often being confident in their formal and structural vocation. One of the topics that nowadays animates the debate on the city and its architecture concerns the fate of obsolete hospital structures. Personal care facilities and complexes are independent and attractive clusters in urban and metropolitan areas. If the fear of disease initially placed them outside the urban perimeters, 19th-century discoveries in the medical field reconciled the relationship between these places and the city. As it happened in the 80s, with the decommissioning of industrial sites in

ObjectivesThe designed call medical The pro- twelve y improve from the redesigned complete Contrary irrecond Goldber and three in Chical first comprevented defined reconfig the 19th proved the naive monaster For 50/6 given ri scientified function not so in space is By reseat 1. In the for their 2. Is the 3. Can w a metrop 4. Can determin 5. Which	science, and often, adapting old buildings becomes unsustainable. Jeen is that the design and construction of a hospital can take up to years, from project launch to building opening, while technology is every three years. That makes the design of a hospital obsolete moment it starts functioning, which means that it will have to be ted, reconfigured, and adjusted. In other words, a hospital is never a; it is in a permanent state of transformation. To what one would expect, it is not old hospitals that end up lably dysfunctional, but the ones built in the last 50 years. Bertrand g's Prentice Women's Hospital, built in 1971, was vacated in 2011, e years later, it was torn down. The hospital was an iconic structure go –a curvilinear tower surmounting a rectangular base– one of the puter-aided designed buildings in the world. But precisely, its iconicity ad it from adapting to the changing healthcare needs. The clearly tower, where patient rooms were located, was impossible to ure according to new standards. On the other hand, hospitals built in century, when the current medical theory was in its infancy, have o be much more resilient and have many functions today. It is as if tety of the architects, who mainly adapted existing typologies of pries and palaces, left space for the unforeseen. 30 years now, hospital design, a sophisticated activity in itself, has see to the concept of "evidence-based design" because of the <i>f</i> functionalist approach. Hospitals must be as flexible as possible to appropriately in the long run. In that sense, the architect should aim inch towards a design object but towards a design strategy in which equally considered as time is. arch by design, the research aims to answer the following questions: case of hospital' obsolescence, which strategies can be adopted renovation? hospital s decommissioning the only option that we have? <i>ve</i> scale them by imagining a low-intensity care system distributed at politan scale in "15-minute" cities? hospitals be consider
1. Relearchitect	vant Master's degree or equivalent research experience in ture, landscape studies or related fields.

	1. Relevant Master's degree or equivalent research experience in architecture, landscape studies or related fields.	
Skills and	2. Genuine interest in urban morphology.	
competencies	3. Research experience and familiarity with qualitative/quantitative methods.	
for the	4. Strong analytical and critical thinking skills.	
development of	5. Good communication and writing skills both in Italian and English.	
the activity	6. Ability to collaborate across disciplines.	
	7. Self-motivated, independent, and effective management.	
	8.6-month period abroad.	