

ARCHITECTURE. HISTORY AND PROJECT

DAD/CRT - Engineering dissemination through building design in the late twentieth century

Funded By	DAD - Progetti altri enti vari pubblici e privati FONDAZIONE CRT CASSA DI RISPARMIO DI TORINO [Piva/CF:06655250014]
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Context of the research activity	The project is fully integrated in the activity of both the “Architecture. History and Project”(DASP) PhD program and the Construction History Group, coordinated by Prof. E. Piccoli and Prof. M. Volpiano. This research group gathers some of the most relevant experts in the field of Construction History through the Early Modern to the Contemporary Age.
	<p>The proposed PhD research project is associated with different lines of research being developed at the DAD (Dipartimento in Architectural Design), especially with regard to History. Construction History (Prof. E. Piccoli, Prof.ssa Maria Barelli), the Environmental History (Prof. S. Pace, Prof. F. De Pieri) and the History of cultural models and technological knowledge transfer during the Cold War (Prof. A. De Magistris, Prof.ssa M. Comba) are specific fields of research.</p> <p>EVOLVE – the Maire Tecnimont Foundation- keeps an historical archive of seven thousand drawings and designs by the most famous Italian engineers and architects, and promotes the enhancement of this fund and the dissemination of scientific content and socio-economic studies, inspired by advances in technological and artificial intelligence.</p> <p>The research activities are split into two parts: one is dedicated to the Fiat Engineering fund of the Maire Tecnimont Archive and will consist in browsing and cataloging a selection of significant documents, reports and drawings to be digitised belonging to specific design projects, such as the High Speed Torino-Milano-Napoli and Bologna-Firenze railway lines (construction design and environmental monitoring), the Unified Nuclear Project (1978-87), the Supporting Activities to design and build temporary accommodations units for the areas stricken by an earthquake in Basilicata and Campania regions (1981-1982), the Repair of the Water Distribution System in Puglia (1980-1983).</p>

Objectives

The second part of the research activity identifies one or more design projects from the Fiat Engineering fund of the Maire Tecnimont Foundation Archive, which are considered as particularly significant for one of the following research topics: reinforced and pre-stressed reinforced concrete and metal structures techniques experimentation and dissemination; the evolution of engineering firms as professional organizations in civil and industrial building production, in Italy, the Middle East, the Soviet Union, Africa, between the 20th and 21st centuries.

Main bibliographical references:

Comba M., D'Atorre R., 2020, Torino 1914-1976. Building the city from World War I to the Cold War, Milano: Silvana Editoriale.

Staneck, L., 2020, Architecture in Global Socialism: Easter Europe, West Africa and the Middle East in the Cold War, Princeton: Princeton University Press.

Maire Tecnimont. Fiat Engineering Projects 1931-1979, by Comba, M., 2018, Milano: Silvana Editoriale.

Maire Tecnimont. Fiat Engineering Projects 1980-2008, by Comba, M., 2018, Milano: Silvana Editoriale.

Castagnoli, A., 2015, La guerra fredda economica. Italia e Stati Uniti (1947-1989), Bari: Editori Laterza.

Gli uffici tecnici delle grandi aziende italiane. Progetti di esportazione di un fare collettivo, by Marini, S., Santangelo, V., 2014, Venezia: Il Poligrafo.

Pier Luigi Nervi. Torino, le committenze industriali, le culture architettoniche e politecniche italiane, by Pace, S., 2011, Milano: Silvana Editoriale.

Skills and competencies for the development of the activity

Expertise in history of contemporary architecture and environment, work experience and research in historical archives, general knowledge of topics, particularly with reference to the main bibliographic references quoted above in "Description" field.