



Valerio Vigoni

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WORK EXPERIENCE

15/03/2021 – CURRENT Milan, Italy
BIM MANAGER ARCADIS

01/03/2020 – 01/03/2021 Rome, Italy
BIM COORDINATOR BIMON

01/09/2019 – 01/03/2020 Rome, Italy
BUILDING ENGINEER - BIM EXPERT BANCA D'ITALIA

10/02/2019 – 31/08/2019 Seville, Spain
BUILDING ENGINEER - TECHNICAL ARCHITECT ESTUDIO ARQUITECTURA VAZQUEZ CONSUEGRA

EDUCATION AND TRAINING

2020 – 2021 Milan, Italy
MASTER PROJECT MANAGEMENT 24Ore Business School

2019 – 2020
LAB ASSISTANT FOR CONSTRUCTION ANALYSIS WITH BIM METHODOLOGY Sapienza, University of Rome

10/2012 – 01/2019 Roma, Italy
MASTER DEGREE IN BUILDING - ARCHITECTURE ENGINEERING U.E. Sapienza, University of Rome

09/2007 – 06/2012 Roma, Italy
HIGH SCHOOL DIPLOMA Liceo Scientifico Nomentano

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2
SPANISH	B2	B2	B2	B2	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user



● ADDITIONAL INFORMATION

PUBLICATIONS

Energy Retrofit Cost-Optimal Design Solutions in Social Housing: The Case of Three Tower Buildings of the 1980s – 2020

This paper focuses on the energy retrofit cost-optimal analysis in the building renovation scenarios, considering the importance of non-energy-related aspect in integrated design approach. This objective is developed within the Italian regulation framework on energy efficiency and building renovation. Nowadays, the great part of tax incentives is given to retrofits merely based on technologies existing in the market, without any balanced design approach that may lead to the optimal solution. Moreover, three-quarters of the residential stock are expected to remain in use in 2050. In this framework, we present as a case study a tower building of the 1980s located in a social housing district of Rome (Italy). This kind of districts represents most of the urban expansions built during the second half of the twentieth century. Therefore, they are today one of the most relevant parts of the residential stock, suffering users' discomfort, unhealthy conditions, typological obsolescence and structural and technological deficiency. Two integrated design options are proposed and analyzed both in terms of energy performance and in terms of related energy and construction costs. Focusing on the case of a tower building, the study attempts at including non-energy and economic factor in the definition of the optimal design solution and at establishing to what extent deep renovation is competitive with respect to usual renovation. The current situation, as reference case, has been compared both with nowadays usual retrofit solutions (envelope thermal insulation, high-performing windows, oil-condensing boiler, LED lights) both with advanced ones (superinsulation, ventilated façade, high-efficiency heat pump). The building has been modelled with Revit applying the well-known H-BIM method in order to accurately control architectural, typological, technological, economic and energy aspects in one single platform. Energy simulations have been performed with EnergyPlus using Insight plug-in and Green Building Studio. Results demonstrate a significant variation in terms of energy consumption and costs (heating, DHW, equipment and lightings) as well as construction costs and payback period of the initial investments. Compared to the reference case, on one side, the proposed usual renovation scenario reduces the former of about 52% and needs a 9-year payback period; on the other side, deep renovation scenario through a 22% additional investment leads to a decrease of 69% in energy consumption and 51% in energy costs, needing an 8-year payback period. The proposed approach in the assessment of renovation scenario allows public and private real estate companies to create energy-conscious design solutions and make cost-optimal investments. These solutions will result in a promotion of sustainable design perspectives taking advantages of the actual Italian incentive regulatory system and increasing substantially the real estate value of this kind of buildings and districts.

Morganti, Vigoni, Currà, Rogora

ORGANISATIONAL SKILLS

Organisational skills

- Teamworking experience gained during years of study.
- Time and logistics management.
- Stress resistance and resilience.
- Determination and meeting deadlines.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Creation of ideas, good abilities in graphic illustration with sketches.
- Leadership, be non-defensive in interactions, work cooperatively and supportively in a team.
- Ability to inspire and motivate team in order to achieve the goal.

CERTIFICATIONS

10/2022 – CURRENT

UNI 11337 BIM Coordinator

05/2020 – CURRENT

ISO 19650 Information Management

Certifications

Software:

- Autodesk Revit Certified User (issued by A-Sapiens, 22/05/2017)

https://www.youracclaim.com/badges/7ed01f27-918f-4feb-904b-dcbd0731de03/public_url

- Autodesk AutoCAD 2D (issued by A-Sapiens, 25/05/2012)



Languages:

- Business Language Test Service (BULATS) "Listening and Reading" B2 (issued by St. George's Institute, 28/03/2018)

JOB-RELATED SKILLS

Job-related skills

- Great competence with professional suite Revit and AutoCAD.
- Problem solving, analysis and evaluation of alternatives.
- Flexibility at the workplace.
- Precision and attention to detail.

OTHER SKILLS

Other skills

- Passionate swimming athlete
- Photography enthusiastic

here is the place where I post my pictures: https://www.instagram.com/vale_vigo/

24/12/2023

Valerio Vigoni