



ALESSIA Macchiavello

Architect



CONTACT

E-mail:



Phone:



I'm a dedicated and passionate architect with extensive experience in the field of international cooperation. Over the years, I have worked on a variety of projects that emphasize sustainable development, community engagement, and cultural sensitivity. My expertise lies, of course in designing and implementing architectural solutions but not only. In my professional experience, I have taken on various roles that require a combination of technical knowledge, project management, and a deep understanding of community dynamics. I have collaborated with multidisciplinary teams, stakeholders, and local communities to ensure that projects are not only technically sound but also socially relevant and impactful. I am passionate about leveraging my professional background to create meaningful and lasting impacts through cooperation projects. My goal is to contribute to initiatives that empower communities, enhance their living conditions, and promote sustainable development.





LANGUAGES

ITALIAN: Mother tongue

ENGLISH: Advanced- C1.
Certificated with TOEIC examination.
Score 820/900.

PORTUGUESE: Fluent

FRENCH: Basic

SPANISH: Basic



METHODOLOGY

INTERDISCIPLINARY APPROACH

INTERSCALAR APPROACH

AFFORDABLE

DEVELOPMENT

INCREMENTAL



WORLDWIDE EXPERIENCES

AFRICA:

Tanzania
Mozambique
Benin

OCEANIA:

Australia

ASIA:

Thailand



SOFTWARE

AutoCAD ● ● ● ● ●

Revit ● ● ● ○ ○

ArchiCAD ● ● ○ ○ ○

Adobe
(InDesign, Illustrator,
Photoshop) ● ● ● ● ●

Microsoft ● ● ● ● ○



SERVICES

ARCHITECTURAL DESIGN

URBAN PLANNING

URBAN STRATEGY APPROACH

PARTECIPATORY DESIGN

INTERDISCIPLINARY STRATEGIES

GRAPHIC DESIGN

MANUALS



SOFT SKILLS

TEAM SPIRIT

COLLABORATION

ANALYTICAL MINDSET

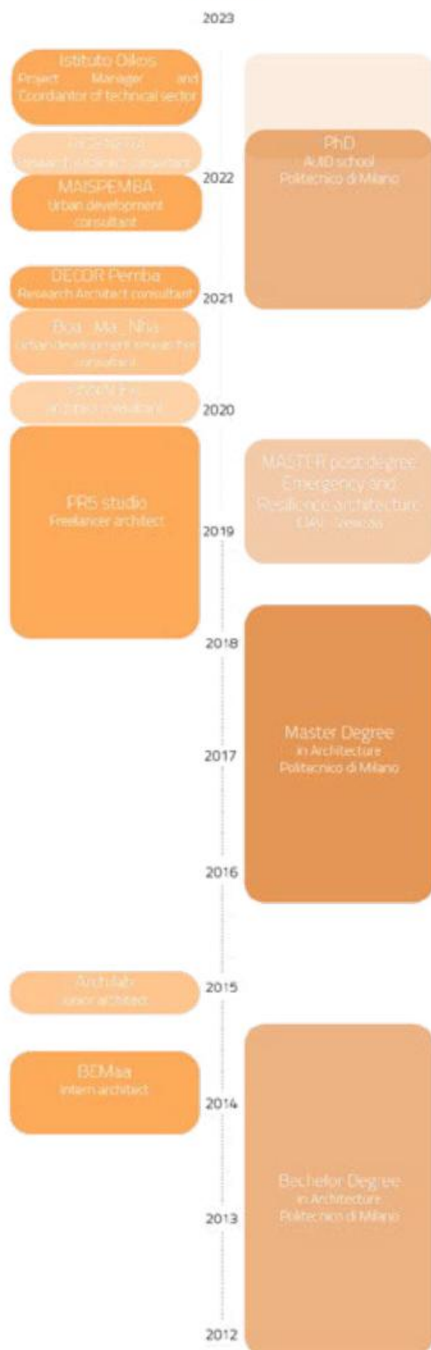
COACHING

NEGOTIATION

SELF- CONFIDEN

PRAGMATIC

CAREER



WORK EXPERIENCES

CURRENT JOB:

Architect freelancer and consultant

- emergency and resilient architecture
- urban development
- humanitarian response

POA Projects - APS (Associazione di promozione sociale)

www.poa-projects.com

Architect and Project Manager - Co Founder

August 2021 - On going

Sector: Construction and WASH

MANAGING PROJECTS:

1. Toilet Block in Themu School - Arusha, Tanzania
2. Classroom for Elementary School in the rural village of Maji Moto, Tanzania

- Lead architectural projects from concept through completion, ensuring alignment with beneficiaries goals and project budgets.
- Collaborate with locals NGOs, government, and local communities to develop and implement sustainable architectural solutions.
- Oversee the work of junior architects and provide mentorship and training.

LAST JOB:

Istituto Oikos - Pemba, Cabo Delgado, Mozambique

Project Manager and Coordinator of the construction sector

October 2022 - January 2024

Sector: Shelter and WASH

MANAGING PROJECTS:

1. SHELTERS CONSTRUCTIONS for IDPs in Ibo District (typologies A e B) - Donor: IOM
2. PLASTIC WASTE management in Ibo District - Donor: IOM
3. WASH intervention in Ibo District to support IDPs and host populations - Donor: UNICEF

Professional Responsibilities:

Budget Management

1. Effectively managed project budgets, ensuring accurate allocation and tracking of funds for various architectural projects.
2. Conducted regular financial reviews and audits to maintain budget integrity and financial compliance.
3. Developed cost estimates and financial reports to support project proposals and funding applications.

- **Activity Planning - Direct Implementation**

1. Strategically planned and implemented project activities to meet objectives within the specified timelines.
2. Developed detailed work plans, schedules, and resource allocation strategies to ensure efficient project execution.
3. Directly supervised on-site activities to ensure adherence to project specifications and timelines.

- **Coordination of Activities and Staff**

1. Coordinated daily activities and tasks among multidisciplinary teams, ensuring seamless collaboration and communication.
2. Organized and led regular team meetings to review progress, address challenges, and adjust plans as needed.
3. Fostered a collaborative work environment to enhance productivity and team morale.

- **Cluster Meeting Focal Point - Shelter Cluster**

1. Served as the focal point for shelter cluster meetings, representing the organization and contributing to strategic discussions.
2. Facilitated information sharing and coordination among various stakeholders involved in shelter projects.
3. Reported on project progress, challenges, and best practices during cluster meetings.

- **Technical Supervisor - Rehabilitation of Schools, Health Centers, Wells, Shelters, Latrines**

1. Oversaw technical aspects of rehabilitation projects for schools, health centers, wells, shelters, and latrines.
2. Ensured that construction and rehabilitation activities met technical specifications, safety standards, and quality requirements.
3. Conducted site inspections and provided technical guidance to contractors and construction teams.

- **Technical Coordination - Organization of Work Teams, Company Selection**

1. Coordinated the organization of work teams, ensuring optimal allocation of human resources based on project needs.
2. Managed the selection process for contracting companies, ensuring compliance with organizational standards and project requirements.
3. Developed and maintained strong working relationships with contractors and suppliers.

- **Technical Design - Technical Drawings, Bills of Quantities (BoQs)**

1. Produced detailed technical drawings and schematics to guide construction and rehabilitation projects.
2. Prepared comprehensive Bills of Quantities (BoQs) to support accurate project costing and procurement processes.
3. Utilized industry-standard software to create and refine technical designs.

- **IDPs First Emergency Response**

1. Led the first emergency response initiatives for Internally Displaced Persons (IDPs), providing immediate

shelter and basic needs.

2. Coordinated with emergency response teams to deploy resources and services swiftly and efficiently.
3. Developed and implemented emergency response plans to address urgent humanitarian needs.

- **Relations with Donors - Monitoring Visits, Meetings, Coordination**

1. Managed relationships with donors, ensuring transparent communication and regular updates on project progress.
2. Organized and conducted monitoring visits to project sites, providing detailed reports and feedback to donors.
3. Facilitated donor meetings and coordinated efforts to align project goals with donor expectations.

- **Relations with Local Authorities**

1. Established and maintained strong working relationships with local authorities to ensure project support and compliance.
2. Coordinated with local government representatives to obtain necessary permits and approvals for projects.
3. Engaged with community leaders to promote project acceptance and community involvement.

- **Reporting**

1. Prepared comprehensive reports on project progress, financial status, and outcomes for internal and external stakeholders.
2. Developed detailed technical and narrative reports to document project achievements and challenges.
3. Ensured timely submission of reports to donors, management, and relevant authorities.

PAST JOBS:

Politecnico di Milano for AVSI - Maputo, Mozambique Researcher and consultant architect

January 2022 - June 2022

RIGENERA project - "Project to define an experimental and sustainable housing model for the Chamanculo c neighbourhood in Maputo "

Sector: Urban development

Fondazione E35 and CNAACP - Pemba, Cabo Delgado, Mozambique Consultant Architect

July 2021 – November 2022:

MAISPEMBA Project - Sector: Urban development

Politecnico di Milano for AVSI and Fondazione E35 - Pemba, Cabo Delgado, Mozambique Consultant Architect

July 2020 – November 2020

DECORPEMBA project - Flexible housing module in Pemba - Sector: Urban development

Politecnico di Milano Consultant Architect

February 2019 – July 2020:

Polisocial Award 2018 - Research activities within the project "Boa_Ma_Nhã, Maputo! a study for the integrated development of the Boane, Moamba, Namaacha Region, in Mozambique" - Sector: Urban development strategy

C-re-a.i.d NGO, Tanzania

Volunteer architect

August 2018 – October 2019

Construction of a Health center and primary school expansion - Sector: development

PR5 studio - Milan, Italy

Freelancer architect

June 2018 – October 2022 Freelancer architect

Sector: Architecture

SAWA - Thailand

Project architect

November 2019 – January 2020

Panacea project - permaculture educational centre - Sector: Natural buildings

Archilab Gabriele M. Rossi, Architecture Studio - Lausanne, Switzerland

Junior Architect

October 2014 - December 2014

BEMaa – Ombra Bruno Christiane Egger Paolo Mazzoleni Architetti Associati, Architecture Studio - Milano, Italy

Intern Architect

September 2013 – February 2014

STUDIES

In progress - **PhD candidate** at **Politecnico di Milano**/Department of Architecture and Urban Studies, course in 'Architectural, Urban and Interior Design'.

Research project: The housing issue in the countries of the Global South: a methodological framework to define innovative housing solutions and policies in the informal urban settlements of Sub-Saharan Africa.

Abstract: The research project aims to analyse the housing issue in the countries of the Global South, where access to decent housing is limited, if not entirely precluded, for millions of people. In addition to analysing the phenomenon, the research will focus on strategies to guide a process of developing affordable, low environmental impact housing, maximising social acceptability, architectural and urban quality.

2019 - **Master post laurea I livello Emergency & Resilience** - **IUAV, Università di Venezia**, 110/110. Thesis: *WASH- Water Sanitation and Hygiene in Tanzanian schools*. Relatore: Jorge Lobos

Abstract: Access to improved sanitation is a challenge, especially in developing countries. Schoolchildren are particularly exposed to the effects of unsafe water, sanitation and hygiene and, according to Raleigh Tanzania (2017), about 84% of schools do not have functional handwashing facilities and only 1% provide soap to their pupils. WASH in Tanzanian schools had been neglected by officials in the water, health and education sectors. The construction of latrines in schools did not keep pace with the increase in enrolment and the abolition of primary school fees in 2002. In addition, less than 10% of schools have functioning hand-washing facilities. This thesis aims to investigate how and whether the WASH system can be improved in rural schools in Tanzania. The methodological process consists of two phases: firstly, the analysis of various official reports, articles and literature on the topic, conducted in contexts similar to those of the proposed case study, with the aim of identifying problems and exploring possible solutions. Secondly, through a pilot project conducted in Maji Moto, a Masai village in the north of the country, where there is no available infrastructure and where the health system throughout the village is precarious. The aim is to understand the limits of possible interventions because, although on paper the solutions may be brilliant, when you then come up against the harsh reality of rural villages, the work of experts has its limits. All this leads to projects that certainly improve the situation but do not completely solve the problem. The intervention that can clearly improve the situation is community education to promote awareness of WASH among the community and to facilitate behavioural change.

2018 - **Master's degree** in architecture from **Politecnico di Milano**, School of Architecture Urban Planning Construction Engineering, 100/100 with honours. Thesis: The role of architectural project in the inclusive design process. The case of Culpra Station, a remote aboriginal community. Supervisor: Laura Montedoro, co-rapporteur: Mauro Baracco (RMIT University, Melbourne).

Abstract: Can architecture be a common language between different cultures? Can architectural design really be seen as a methodology of reconciliation and help in a process of awareness and education? If yes, with which tools and methods? This thesis aims to be a reason to reflect on the role that an architectural project can play in the face of complex cultural and linguistic barriers. The field of investigation is a remote Australian

Aboriginal community, where the difficulties are represented not only by the conditions of global-south, but also, and above all, by the difficult coexistence between Aboriginal and Western cultures, accentuated by the social scar left by the invasion. This thesis aims to answer these questions, exploring the concept of co-participation in design in different contexts, prefiguring a research field that compares two cultures. The architectural project becomes a means of dialogue, research and cooperation in which the designer listens, accepting confrontation and cooperation, exploring unknown areas and adapting to a new and different

2014 - **Bachelor degree** in Architecture at **Politecnico di Milano**, Campus Milano Bovisa, Faculty of Science of Civil Architecture, 105/110

2011 - **Artistic high school**, Liceo Paolo Candiani, Busto arsizio, 85/100

PRIZES, AWARDS, SCHOLARSHIPS

2021 - Won the call for tenders by CNAPPC for the project **"MAIS PEMBA**: a city to city and multistake holder approach for an integrated, sustainable and inclusive urban development of the city of Pemba". Within the framework of this project, I will participate in workshops for young architects (under 40), for the definition of guidelines on 3 pilot projects in a participatory process of involvement of local communities with a working group formed by 2 Italian architects + 2 Mozambican architects.

2019 - Special mention **award "Michele Silvers"**, Politecnico di Milano, with the thesis *The role of architectural project in the inclusive design process. The case of Culpra Station, a remote aboriginal community.*

2017 - Won scholarship **"Tesi all'estero"**, Politecnico di Milano.

NATIONAL AND INTERNATIONAL DESIGN WORKSHOPS

- **International Workshop 1+1=11. 30 alberi per ritornare** by Emergency Architecture & Human Rights / luav-EAHR Master Emergency & Resilience. 1-7 marzo 2019, L'aquila. (With association Viaviamolaq).
Professor: Jorge Lobos

- **International Workshop of Architectural and Urban design Beyond the wall**. *Ideas for a reuse of military barrack Mascheroni*, Scuola di Architettura Civile, Politecnico di Milano 2-14 maggio 2014, Milano. (With Fakultät Architektur und Bauingenieurwesen, Hochschule für angewandte Wissenschaften, Würzburg-Schweinfurt).
Professor: Laura Montedoro

- **Progetti per Milano. Idee per la città dalla ridestituzione delle caserme e delle aree militari**, Scuola di Architettura Civile, Politecnico di Milano, Milano 2014.
Professor: Laura Montedoro and Stefano Guidarini

ACADEMIC ASSIGNMENTS

2021 - **Professor** in the MODULE C - INTERNATIONAL DESIGN WORKSHOP - within the **first and second level Master - DESIGN FOR DEVELOPMENT Architecture, Planning and Heritage in the Global South.**

2020/2021 2° semester - Activity of **support to teaching** within the course of studies in ARCHITECTURE AND URBAN DESIGN, held by Prof. MONTEDORO LAURA - Politecnico di Milano

2020/2021 1° semester - Activity of **support to teaching** within the course Urban design, held by Prof. MONTEDORO LAURA - Politecnico di Milano

2019/2020 2° semester - Activity of **support to teaching** within the course of studies in ARCHITECTURE AND URBAN DESIGN, held by Prof. MONTEDORO LAURA - Politecnico di Milano

2020 - **Professor** in the Design Workshop 3 - Planning strategies for integrated regional development of rapidly urbanizing areas - within the **first and second level Master - DESIGN FOR DEVELOPMENT Architecture, Planning and Heritage in the Global South.**