

CONSERVATION AND SEISMIC REINFORCEMENT

S.Lorenzo Monastery (Marche Region, Italy)

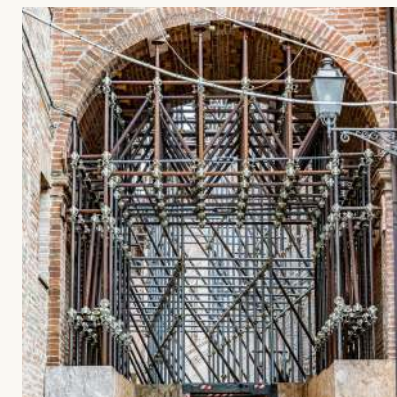
Monastero San Lorenzo, Amandola (FM)

2024

DETAILED ARCHITECTURAL & ENGINEERING DESIGN

PROJECT DATA

ESTIMATED PROJECT VALUE	\$10.000.000,00
AREA	4.000 sqm
TIMELINE	2024 -
CLIENT	Private
HISTORICAL PERIOD	13th century CE
PROFESSIONAL SERVICES	Architecture and engineering design Construction Supervision
INTENDED USE	Monastery



DESCRIPTION

The Monastery of San Lorenzo sustained **extensive structural damage**. The comprehensive restoration and seismic upgrading project involves a multi-tiered engineering approach. Key interventions include the application of fiber-reinforced plaster to consolidate damaged masonry, **the structural reconstruction of the main facade and the bell tower**, and the execution of a deep foundation retaining wall built on reinforced concrete bored piles to ensure ultimate slope and ground stability.





CONSERVATION AND SEISMIC REINFORCEMENT

Entire Village Reconstruction (Umbria Region, Italy)

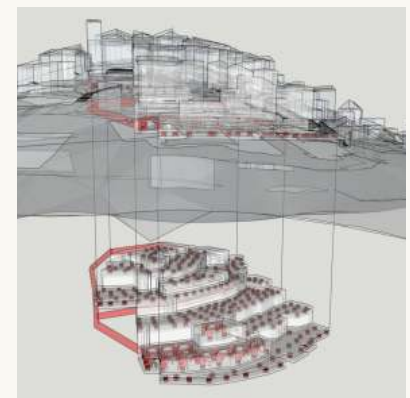
Ricostruzione di Castelluccio di Norcia (PG)

2024

DETAILED ARCHITECTURAL & ENGINEERING DESIGN

PROJECT DATA

ESTIMATED PROJECT VALUE	\$50.000.000,00
AREA	20.000 sqm
TIMELINE	2024 -
CLIENT	Public/Private
HISTORICAL PERIOD	13th century CE
PROFESSIONAL SERVICES	Architecture and engineering design
INTENDED USE	Mixed-Use (Residential, Commercial & Tourism, Religious Heritage)



DESCRIPTION

Following the **catastrophic 2016 Central Italy earthquake**, an **entire village**-one of Italy's most prominent and suggestive heritage sites-was completely destroyed. Situated in a mountainous area, the site presents major logistical challenges and a highly complex construction environment. The proposed project delivers an **innovative seismic protection strategy featuring base isolation systems and foundation slabs**, breathing new life into the complex through an advanced adaptive reuse plan.





CONSERVATION AND SEISMIC REINFORCEMENT

Saladini Pilastri Palace (Marche Region, Italy)

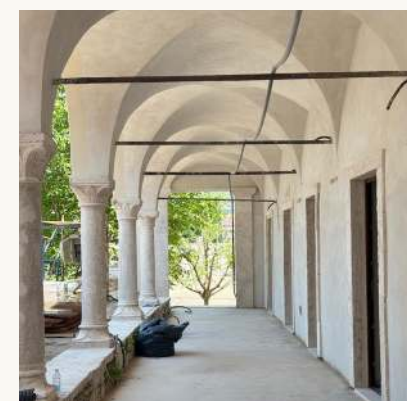
Palazzo Saladini Pilastri

2024

DETAILED ARCHITECTURAL & ENGINEERING DESIGN

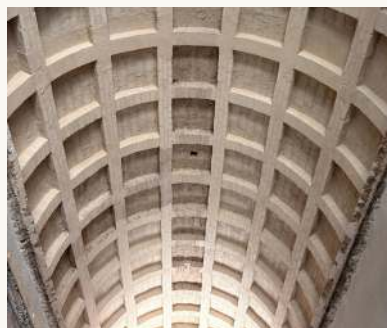
PROJECT DATA

ESTIMATED PROJECT VALUE	\$ 26.300.000,00
AREA	10.000 sqm
TIMELINE	2024 -
CLIENT	Public
HISTORICAL PERIOD	13th century CE
PROFESSIONAL SERVICES	Architecture and engineering design
INTENDED USE	Social housing, cultural hub, ethical hotel, public offices



DESCRIPTION

Dating back to its medieval origins, Palazzo Saladini Pilastri is a prominent noble complex in Ascoli Piceno (Marche Region), featuring a historic 13th-century church. Following decades of progressive **abandonment and decay**, the estate was left entirely unused, risking the loss of its immense cultural value. The proposed project delivers essential **seismic strengthening and conservative restoration**, breathing new life into the complex through an innovative adaptive reuse plan.





CONSERVATION AND SEISMIC REINFORCEMENT

Historic Complex Restoration (Marche Region, Italy)

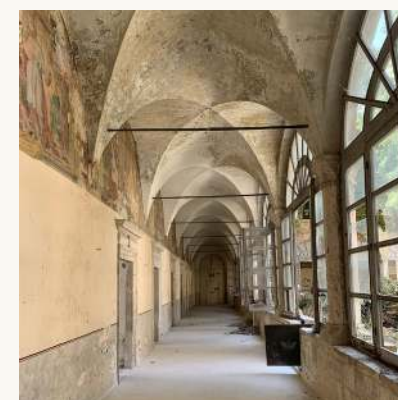
Complesso di Sant'Angelo Magno

2025

DETAILED ARCHITECTURAL & ENGINEERING DESIGN

PROJECT DATA

ESTIMATED PROJECT VALUE	\$ 24.000.000,00
AREA	9.000 sqm
TIMELINE	2025 -
CLIENT	Public
HISTORICAL PERIOD	13th century CE
PROFESSIONAL SERVICES	Architecture and engineering design
INTENDED USE	Social housing, cultural hub, ethical hotel, pulic offices



DESCRIPTION

Originally founded as a Benedictine monastery, the complex is a prominent heritage site in Marche Region, featuring an extraordinary Longobard-era church. Following the severe 2016 Central Italy **earthquake**, the structure sustained major structural damage and was officially declared unfit for use. Left in a state of abandonment, the complex has since suffered **several localized structural collapses**. The proposed project delivers essential seismic strengthening and conservative restoration.





CONSERVATION AND SEISMIC REINFORCEMENT

Monte S. Martino Monastery (Marche Region, Italy)

Monastero di Monte San Martino (MC)

2024

DETAILED ARCHITECTURAL & ENGINEERING DESIGN

PROJECT DATA

ESTIMATED PROJECT VALUE	\$ 9.150.000,00
AREA	4000 sqm
TIMELINE	2024 -
CLIENT	Private
HISTORICAL PERIOD	11th century CE
PROFESSIONAL SERVICES	Architecture and engineering design Construction Supervision
INTENDED USE	Monastery



DESCRIPTION

Founded in the medieval era, the Monastery is a prominent heritage complex featuring a 13th-century church. Following the **catastrophic 2016 Central Italy earthquake**, the structure was severely damaged and declared unfit for use. Situated at an altitude of 600 meters, **the site presents a highly challenging and complex construction environment**. The proposed project delivers essential seismic strengthening and conservative restoration, breathing new life into the complex.



CONSERVATION AND SEISMIC REINFORCEMENT

Restoration of an Ancient Barracks (Marche Region)

Caserma Vecchi, Ascoli Piceno

2024

DETAILED ARCHITECTURAL & ENGINEERING DESIGN

PROJECT DATA

ESTIMATED PROJECT VALUE	\$ 10.000.000,00
AREA	3000 sqm
TIMELINE	2024 -
CLIENT	Public
HISTORICAL PERIOD	17th century CE
PROFESSIONAL SERVICES	Architecture and engineering design Construction Supervision
INTENDED USE	Social housing, cultural hub



DESCRIPTION

Abandoned and left in disuse for several decades, the Former Vecchi Barracks represents a site of immense historical and architectural value. Originally built as a 17th-century monastic complex, the building played a **highly significant role during World War II as the city's Military District**, serving as a primary target and pivotal flashpoint during the **German occupation** following the 1943 Armistice. The current restoration project focuses on architectural conservation and structural consolidation.





CONSERVATION AND SEISMIC REINFORCEMENT

Restoration of the Historic Metauro Bridge

Ponte sul Metauro, Fano (AN)

2023

DETAILED ARCHITECTURAL & ENGINEERING DESIGN

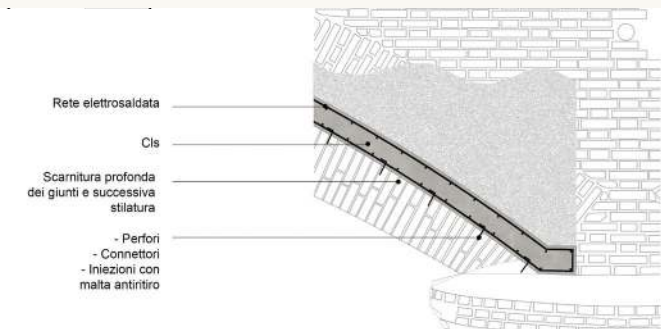
PROJECT DATA

ESTIMATED PROJECT VALUE	\$ 5.000.000,00
AREA	300m
TIMELINE	2023 - 2024
CLIENT	Public
HISTORICAL PERIOD	20th century CE
PROFESSIONAL SERVICES	Architecture and engineering design
INTENDED USE	Roadway Bridge



DESCRIPTION

The comprehensive restoration of the historic bridge involves **massive structural interventions** targeting both its load-bearing piers and masonry arches to remedy long-term degradation. Beyond its engineering complexity, the bridge holds immense historical importance; during the 1920s and 1930s, it served as a critical strategic asset and a highly symbolic infrastructure point before being heavily targeted by military bombardments in **World War II**.





INFRASTRUCTURE & MOBILITY

New Highway Overpass

Cavalcavia Jesi Est (AN)

2020

Infrastructure & Mobility

PROJECT DATA

ESTIMATED PROJECT VALUE	\$ 1.500.000,00
AREA	30m
TIMELINE	2020
CLIENT	Public
HISTORICAL PERIOD	2020
PROFESSIONAL SERVICES	Architecture and engineering design
INTENDED USE	New Highway Overpass



DESCRIPTION

This infrastructure project addresses a highway overpass heavily damaged following a **severe collision** by a heavy-duty vehicle against its bridge soffit. The executive project mandated the **complete demolition and reconstruction** of the deck, alongside the structural reinforcement of the abutments and wing walls. This design approach was selected after extensive on-site investigations to ensure optimal structural safety and modern performance compared to the compromised original asset.



CONSERVATION AND SEISMIC REINFORCEMENT

Mole Vanvitelliana (Marche Region, Italy)

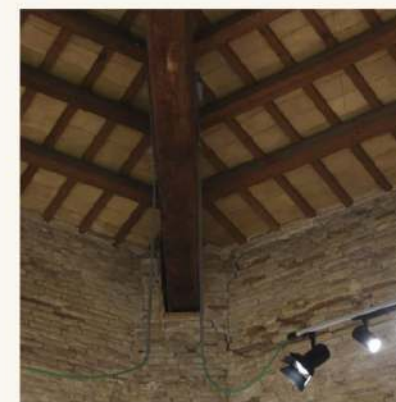
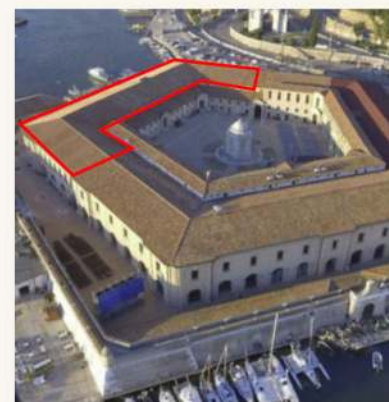
Mole Vanvitelliana, Ancona (AN)

2025

DETAILED ARCHITECTURAL & ENGINEERING DESIGN

PROJECT DATA

ESTIMATED PROJECT VALUE	\$ 2.670.000,00
AREA	20.000 sqm
TIMELINE	2024 - 2025
CLIENT	Public
HISTORICAL PERIOD	18th century CE
PROFESSIONAL SERVICES	Architecture and engineering design
INTENDED USE	Monumental cultural complex Museum



DESCRIPTION

The Mole Vanvitelliana sustained significant **structural damage** following the 2016 seismic events. The restoration and seismic upgrading project involves a comprehensive conservation-oriented approach. Key interventions include masonry stitching and re-pointing works, the installation of concealed steel tie rods and anchoring systems **to improve wall connections**, the strengthening of timber roof structures, and the restoration of damaged finishes.





INFRASTRUCTURE & MOBILITY

Casa Cantoniera Water Treatment Plant Transmission Main (Marche Region, Italy)

Montefortino, Croce di Casale (FM)

2023

INFRASTRUCTURE & MOBILITY

PROJECT DATA

ESTIMATED PROJECT VALUE	\$ 9.331.000,00
AREA	3.410 mt
TIMELINE	2023
CLIENT	Public
HISTORICAL PERIOD	2023
PROFESSIONAL SERVICES	Architecture and engineering design
INTENDED USE	Water Supply Infrastructure

DESCRIPTION

The project involved the executive design of the **TR03 transmission main**, part of the "Interconnection of Water Supply Systems of ATOs 3, 4 and 5 of the Marche Region" programme. The intervention included a **new pressurized pipeline** linking the Casa Cantoniera water treatment plant to the Croce di Casale node, together with associated hydraulic and structural works. The project enhances network resilience, operational flexibility and water transfer capacity between water supply systems.

