

ITALIAN CULTURAL HERITAGE

Italy is the country that host and manage the highest number of **UNESCO** world heritage sites in the world, with **58** assets on the list in 2021

(31 New registration in waiting list)

Archaeological sites, Art Cities, Architectonical ensemble, Landscapes, Museum

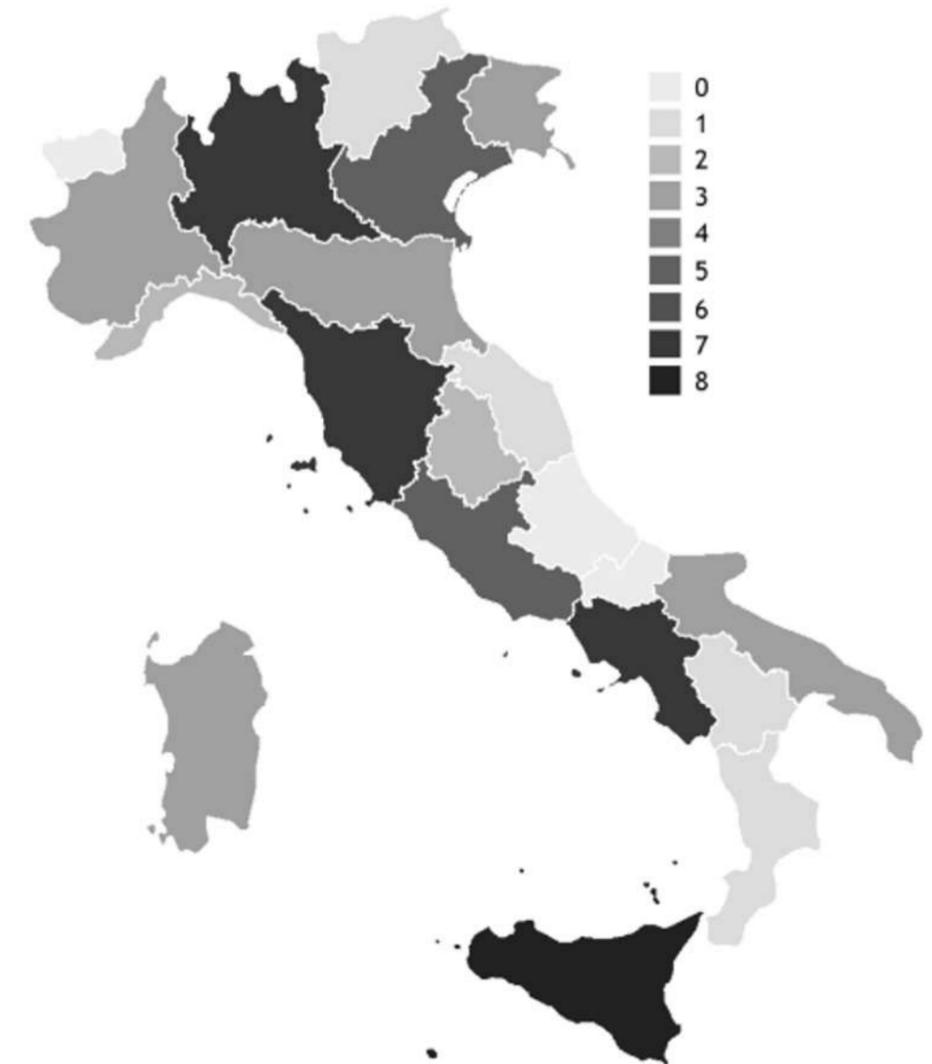
The **Widespread built Heritage** represents the main cultural value of our country

211.310 Listed cultural assets, including:

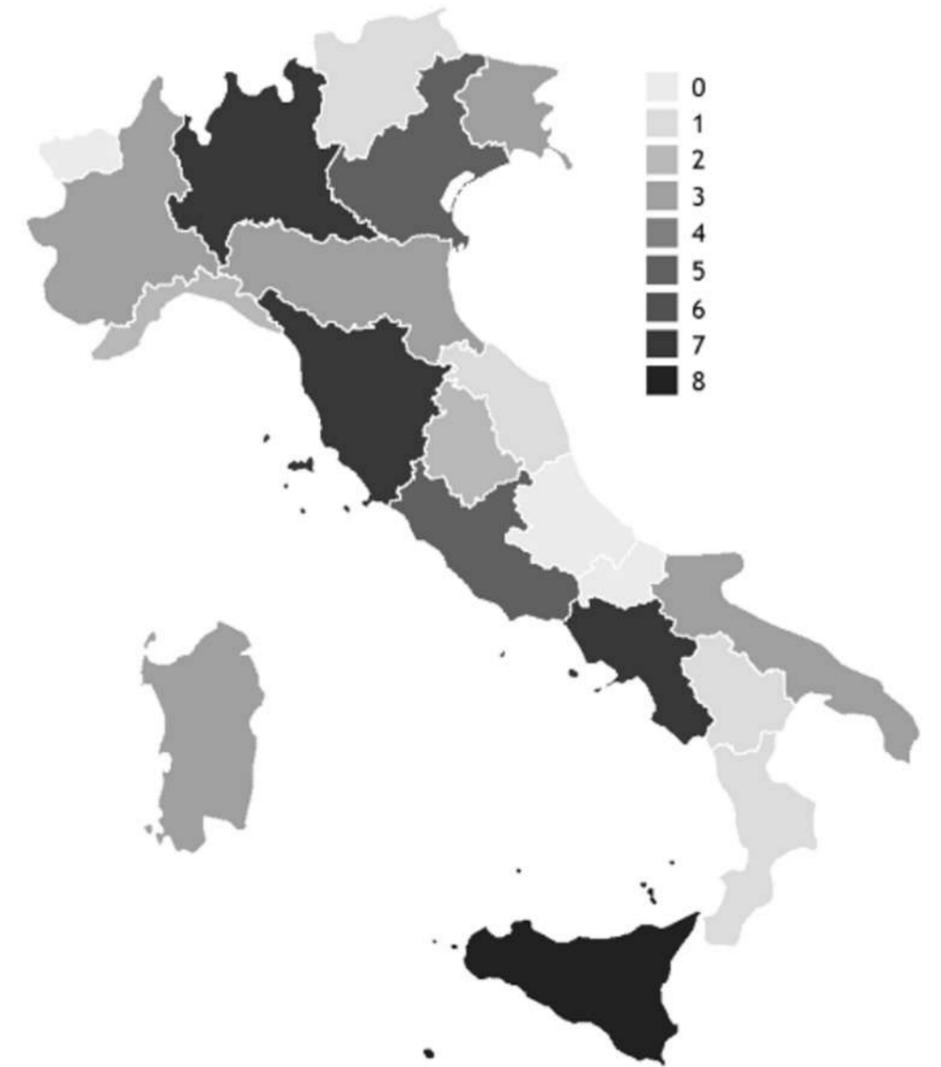
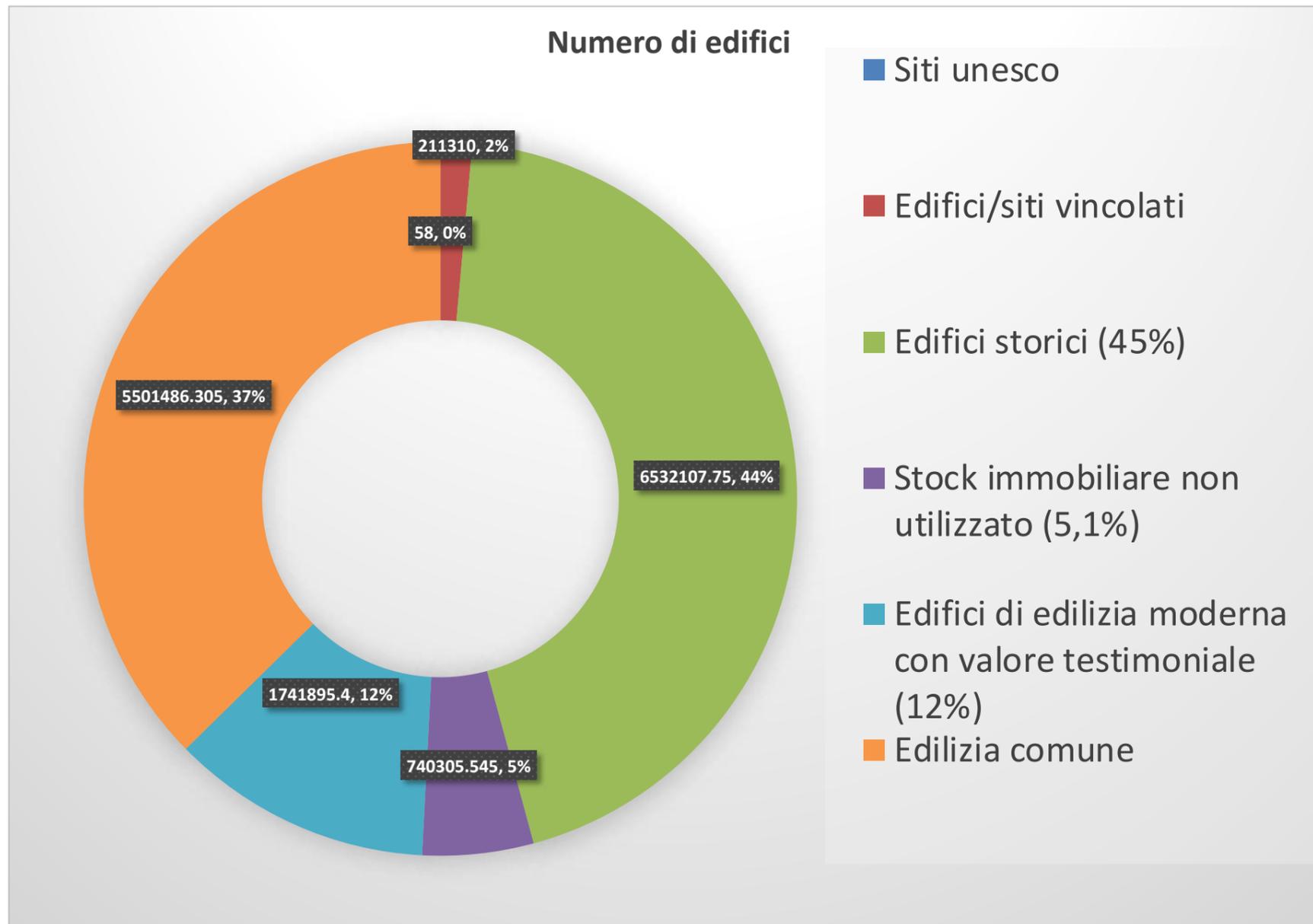
199116 - Archictures

11929 - Archaeological heritage

256 - Gardens



ITALIAN BUILT HERITAGE



ISTAT, 2014: 14.515.795 EDIFICI E COMPLESSI COSTRUITI



RESTORATION IN ITALY

Italian restoration is considered excellence of the industry globally, and represents one of the main reference points of Made in Italy.

For architecture and refurbishment industry, it represents the most substantial part of the Economy of Culture in Italy:

35% OF THE TOTAL



3,547 Italian companies operating in the restoration sector, mainly artisans (85.5%).

Most of them (64.3%) operate in the North-West and Center of the country

A significant share is concentrated in the North-East (20.3%),

while the presence of restorers in the South and in the island territories is much lower (respectively 10.7% and 4.7%).

The contribution of the industry in Italian economy

In terms of number of businesses, size and occupied, Italian restoration is a resource of the first order for the economy of the country.

With a total occupation of

384.000 UNITS



EDUCATION AND TRAINING

Schools of specialization in architectural heritage and landscape

The Schools of Specialization in Architectural and Landscape Heritage are third-level university institutes and aim to train specific high-profile professional figures in the sector of knowledge, protection, restoration, management and enhancement of the cultural, architectural and landscape heritage, intended in its broadest sense.

There are currently

10 Specialization Schools in Italy

Restoration Schools

The teaching of restoration is given by the higher education and study schools of the Ministry of Culture, by universities, academies of fine arts and other public and private bodies as long as they are accredited by the state.

In particular, the training of the restorer of cultural heritage is structured in a single cycle course

There are currently

27 Restoration Schools in Italy



ASSORESTAURO

the Italian Association for Architectural, Artistic and Urban Restoration,

was established in 2005 as the first Italian association of

Manufacturers of materials, equipment and technology, suppliers of services and specialized companies to represent the sector of restoration and conservation of heritage both in Italy and abroad.

DIALOGUE BUILDERS

The Association promotes the dialogue between companies and institutions, such as the Organizations for the Protection of Cultural Heritage, the Ministry of the Cultural Heritage and Activities, the Ministry of Economic Development and the Institute for Foreign Trade.

The core philosophy of Assorestauro is to bring the actors of the sector, which is so meaningful both in economic and moral terms, around a common table to discuss and plan work activities and methods.

The goal as for the first time the business community acts proactively and puts technical development before speculation in a sector that is increasingly proving to be a driver for Italian economy and is eventually getting a fair place in the tourist sector.



ITALIAN AND INTERNATIONAL PARTNERS



Ministero degli Affari Esteri
e della Cooperazione Internazionale



ITALIAN TRADE AGENCY
ICE - Agenzia Italiana per il Commercio Estero
Oficina de la Enticajado de Italia
para la promoción del intercambio comercial



ECONOMIC VALUE OF
CULTURAL HERITAGE



Cooperazione Italiana
allo Sviluppo
Ministero degli Affari Esteri
e della Cooperazione Internazionale



Ministero
per i beni e le
attività culturali
e per il turismo

Regione Emilia-Romagna

Quality of the production and technical chain

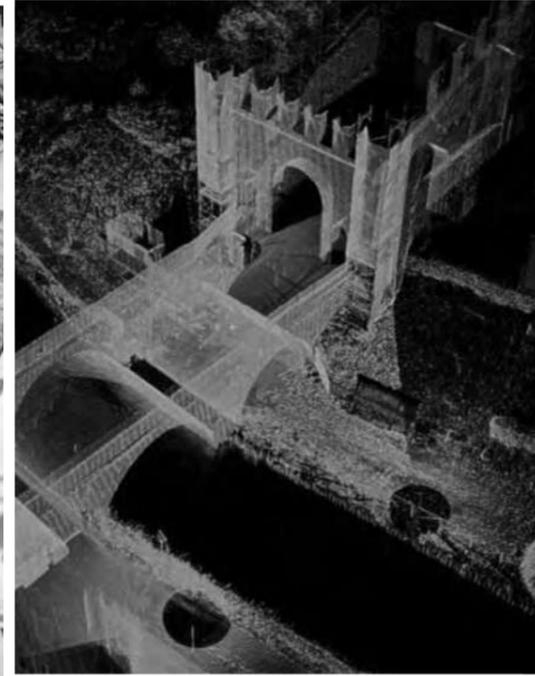


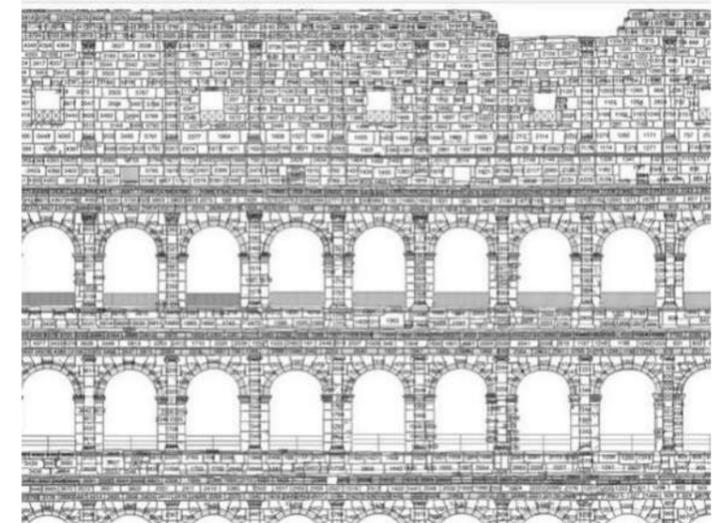
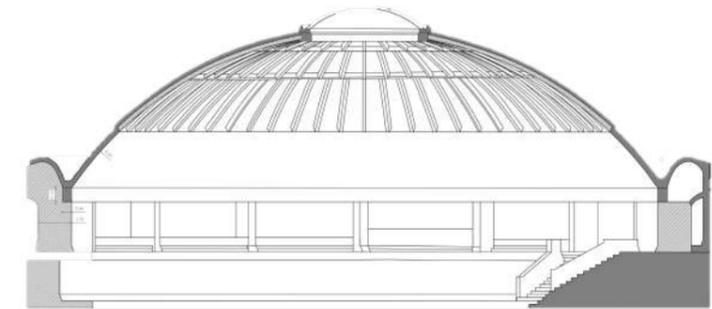
Services of diagnostics and design

Producers of Materials, technologies and equipment

Restoration works

Valorization and musealization



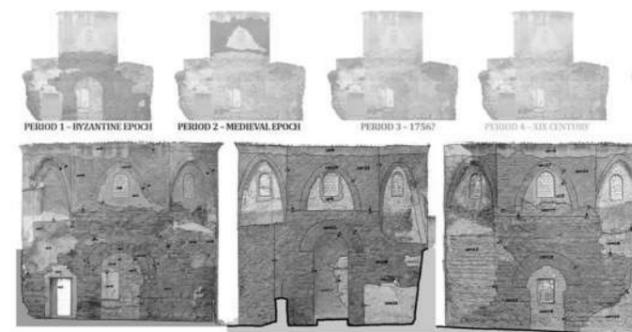


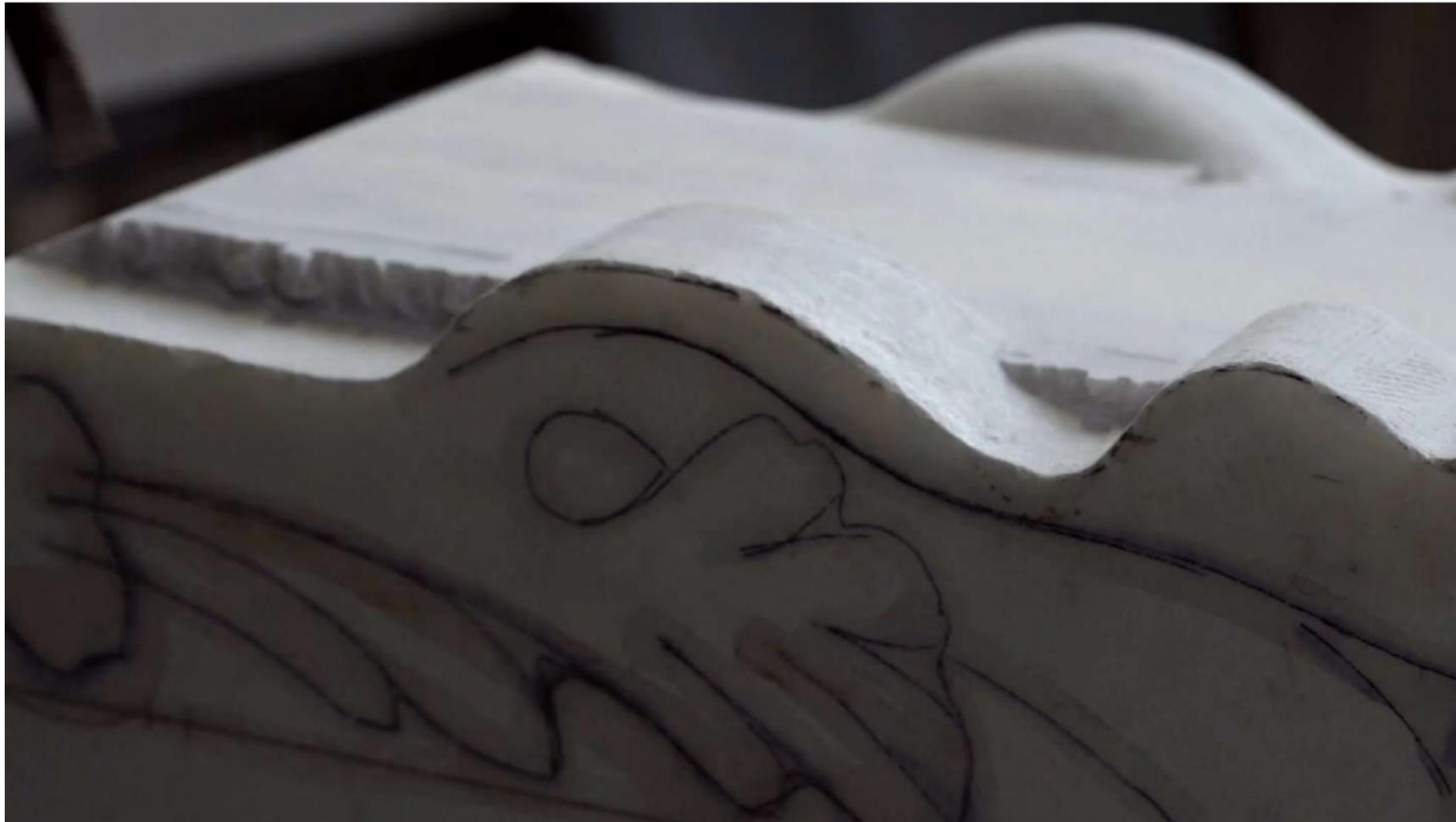
Design and diagnostic services

Studies of Architecture and Engineering

Chemical-physical analysis laboratories

Field investigation services – surveys, structural tests





MATERIALS, TECHNOLOGIES AND EQUIPMENT:

Restoration designed mortars, paintings and chemicals (validated by the Italian Ministry of Culture)

Cleaning equipment and technologies

Structural reinforcement materials, technologies and equipment (glass and FRP materials, injection of mortars and equipment, ...)

Protection and finishing with new materials, nano and phitoclean technologies



Qualified preservation companies

OS2A n 740 - Decorated surfaces of cultural heritage immovable property and movable cultural property.

OG2 n 3500 - Restoration and maintenance of properties subject to protection



RESTAURO

MADE IN ITALY

Assorestauro thanks to the collaboration with the Ministry of Foreign Affairs and the ICE Agency, in recent years has identified an effective method of collaboration and knowledge of foreign markets, through:

- Technical demonstration in conferences Practical workshops on materials and technologies for restoration
- Creation of a collaborative environment with local institutions
- With the aim of finding common ground to demonstrate Italian methodologies in restoration sites



Ministero degli Affari Esteri
e della Cooperazione Internazionale



ITALIAN TRADE AGENCY

ICE - Agencia Italiana para el Comercio Exterior
Oficina de la Embajada de Italia
para la promoción del intercambio comercial



International training



Cooperation project Imrahor Mosque in Istanbul

The Project intends to promote the excellence of the Italian supply chain among Turkish institutions and experts: specialized companies, research and development in innovative processes .

Through a cognitive in-depth path of the historical site of the Imrahor Mosque, in collaboration with the technicians and companies of the VGM, the participating Italian companies had the opportunity to carry out analyzes, samples and design insights, shared during workshops in the field, technical webinars and moment of training and exchange of skills.



Imrahor Mosque in Istanbul – Pilot project and worksite school



International training

Worksite school

Centre for restoration In Bukhara, Uzbekistan

In **2024** will be inaugurated the
Italia/Uzbek centre for restoration in Bukhara

The Unesco city will host professors, professionals,
companies from Italy

4 main topic

- **PRINCIPLES OF RESTORATION**
- **RESTORATION METHODOLOGIES - THE KNOWLEDGE PROJECT**
- **STRUCTURAL RESTORATION**
- **VALORIZATION AND INNOVATION OF CULTURAL HERITAGE PRESERVATION OF THE HISTORIC MATERIALS**

A Project by Assorestauro, Italian trade Agency,
Uzbek Cultural Heritage Agency



BUKHARA new center for restoration Italy/Uzbekistan - 2024



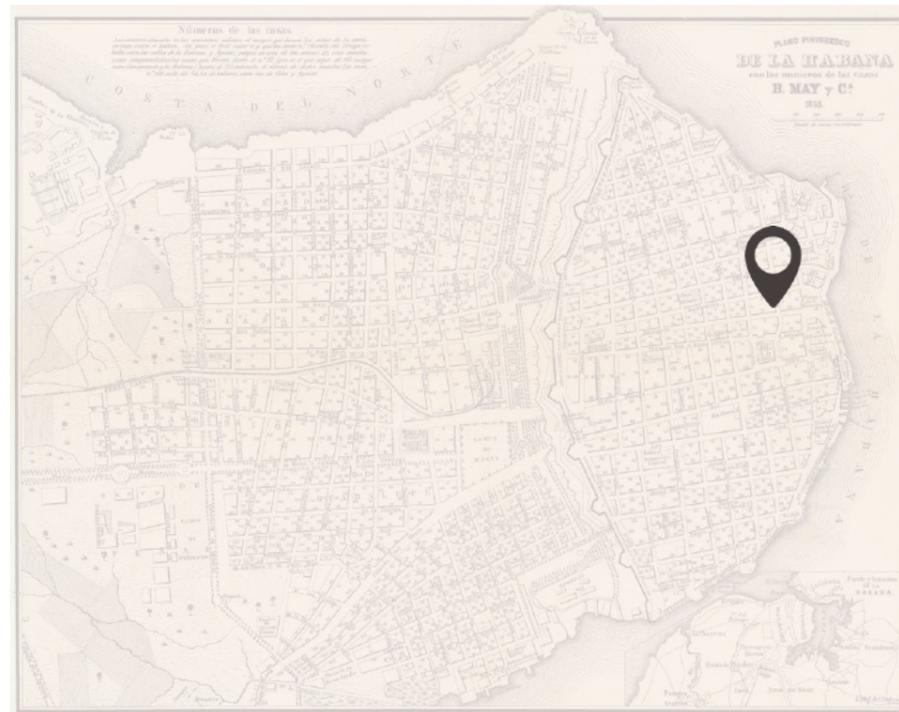
RAD

RESTAURACIÓN
Y DISEÑO



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REDI
RESTAURACIÓN
Y DISEÑO



Ministero dello Sviluppo Economico



ITALIAN TRADE AGENCY
ICE - Agenzia per la promozione all'estero e l'internazionalizzazione delle imprese italiane

REDI
RESTAURACIÓN
Y DISEÑO



Nasce a L'Havana Il Centro di formazione per il restauro ed il design - REDI, Restauracion e Diseno.

La cooperazione con il prestigioso ente dell'Oficina del Historiador del La Habana Vieja (OHCh), sancito dalla firma di un MOU bilaterale sottoscritto dal **Ministro per lo Sviluppo Economico**, Carlo Calenda, e l'Historiador della Habana Vieja, Eusebio Leal Spengler

Il progetto prevede il **restauro e la rifunzionalizzazione** di un edificio situato in Calle di Sant Ignazio 314, che diverrà sede del centro REDI.





L'edificio situato in Calle san Ignacio 314 fù costruito alla fine del **XVII secolo**, con la tipica impostazione della **residenza coloniale**. Un patio centrale divideva l'area della casa più pubblica che dava verso la calle mentre all'interno si sviluppavano gli ambienti privati fino ad arrivare al *patio trasero*, utilizzato come spazio di servizio per animali e merci

In un documento di vendita del 1737 la superficie dell'edificio risultava di **675 mq**, un'area più vasta di quella odierna, infatti l'edificio durante i 4 secoli di vita ha subito modifiche sostanziali che ne hanno modificato il carattere originale.

Ciò che troviamo oggi è una **sovrapposizione di interventi** che hanno demolito e poi ricostruito gli interni a seconda delle funzioni che ospitava al suo interno, passò da essere una dimora aristocratica ad un magazzino, fino all'ultimo proprietario che lo trasformò in un magazzino farmaceutico.



Gli interni - i corridoi



Gli interni - Gli archi del piano terra



Gli interni - il piano primo, la sala verso la Calle



Gli interni - le strutture in legno del piano primo

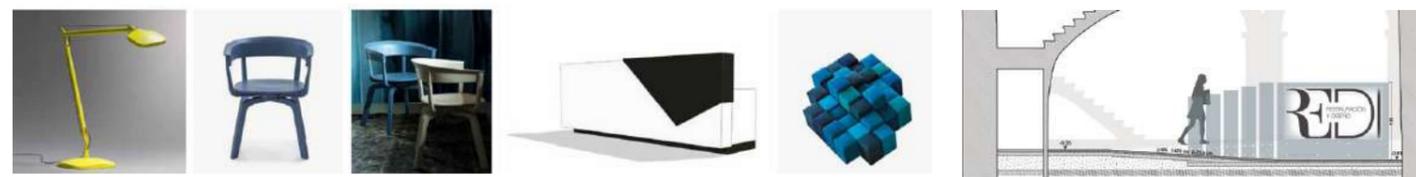


Gli interni - il piano primo



Paletta colori San Ignacio Materiales y colores

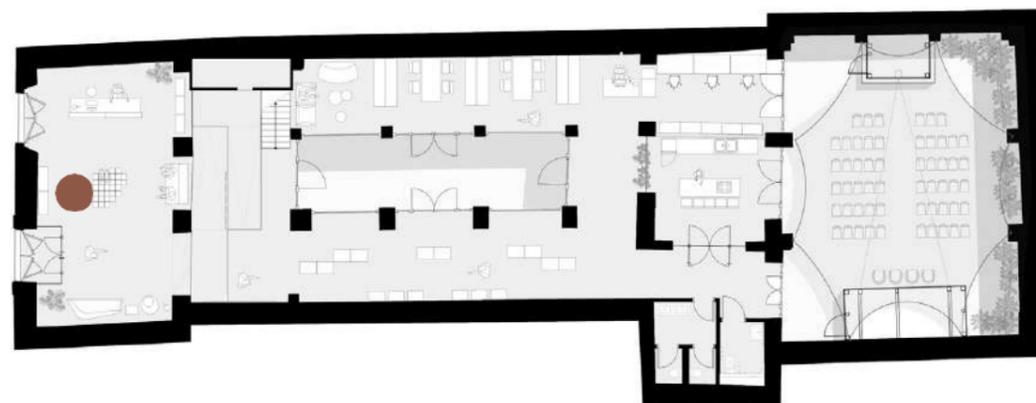




RECEPTION entrada y vestíbulo

AREA ESPOSITIVA espacios dedicados a exposiciones

BIBLIOTECA E MEDIATECA área de consulta dedicada a revistas, libros, catálogos, acceso a Internet, películas en su idioma original

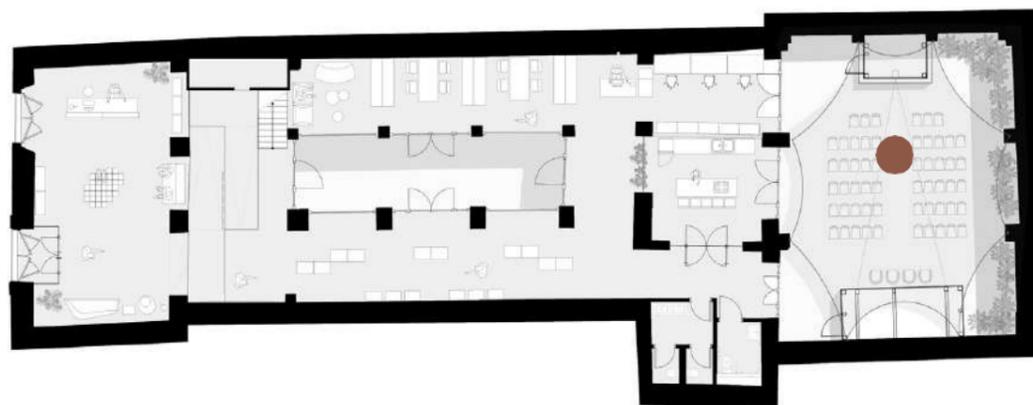




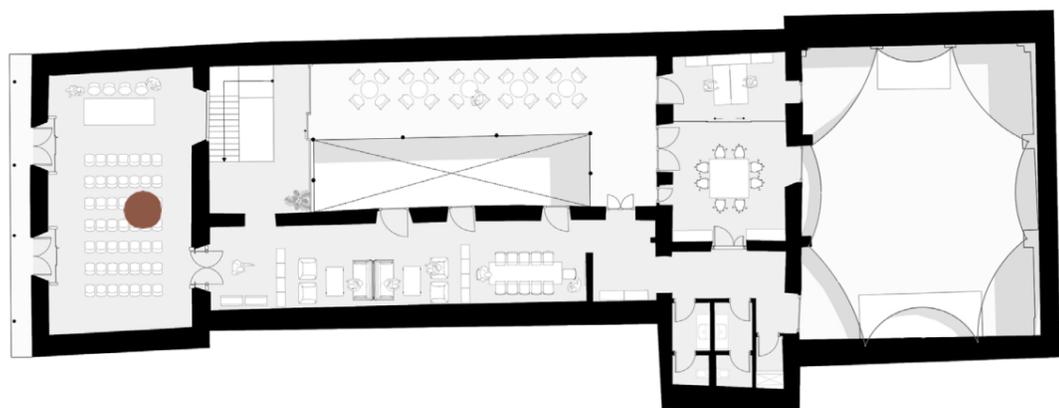




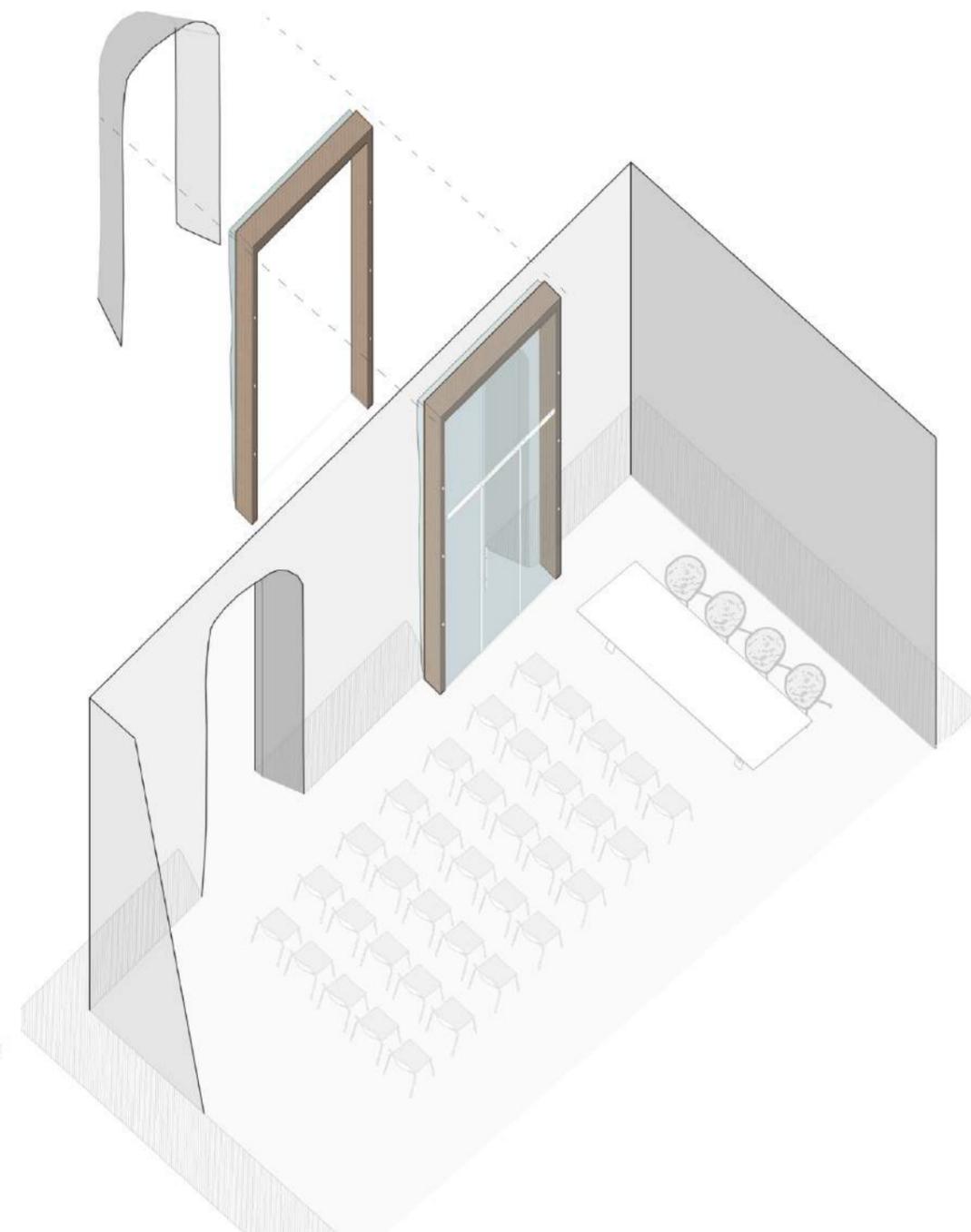
CINEMA ALL' APERTO espacio dedicado a reuniones, proyecciones de películas y películas patrocinadas
CUCINA DIDATTICA área dedicada a la cocina, eventos de comida, clases temáticas cocina y cocina en vivo



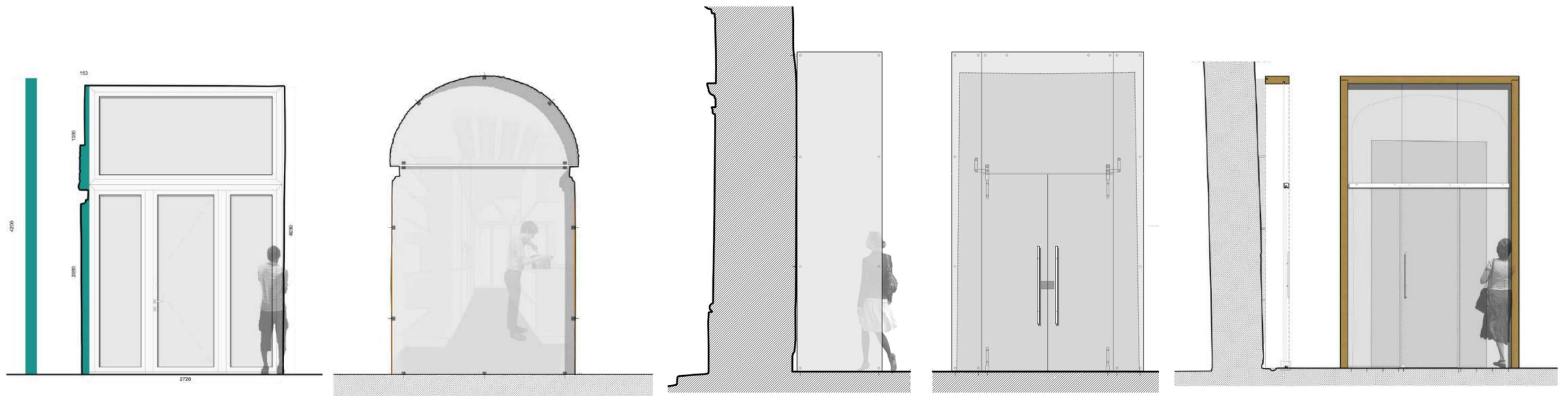


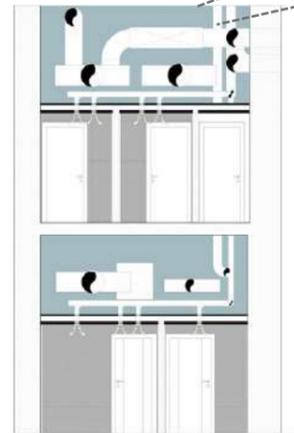


AULA MAGNA sala de reuniones y presentaciones
REA COWORKING espacios dedicados a los trabajos de coworking, reuniones B2B y zonas de relax
TERRAZZA zona de relax y socialización
UFFICI zona de oficinas y sala de reuniones



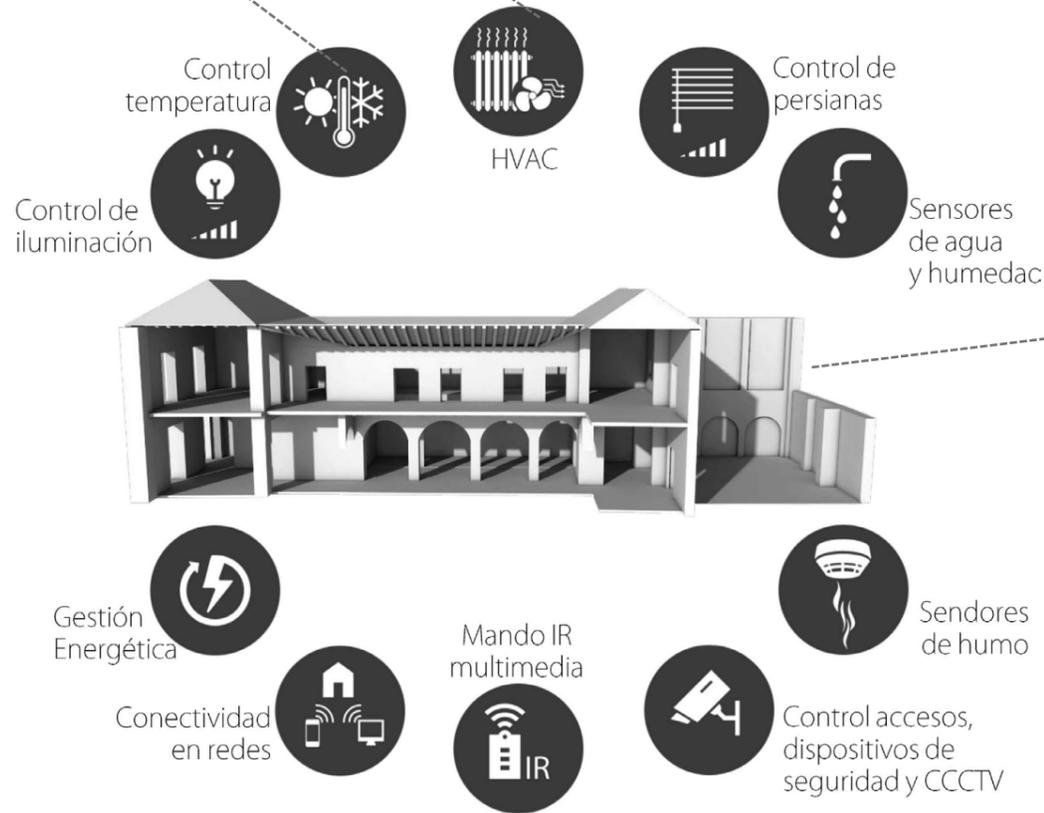
I DIVERSI APPROCCI NELLA PROGETTAZIONE DEI SERRAMENTI





IMPIANTO DI CLIMATIZZAZIONE E TRATTAMENTO DELL'ARIA A BASSO IMPATTO ENERGETICO

L'impianto di climatizzazione proposto si è orientato verso un sistema ad alta **efficienza energetica** che garantisca il controllo in continuo delle condizioni climatiche interne attraverso un'azione sulle condizioni di umidità e temperatura, garantendo un confort abitativo con condizioni di esercizio ottimale. Il modello proposto si discosta molto dalle **abitudini locali** di climatizzazione, che al contrario si basano su sistemi on/off, intervenendo sulla produzione di aria fredda all'occorrenza e creando un forte **squilibrio termico** tra interno ed esterno per la sola durata della permanenza o utilizzo di un ambiente.



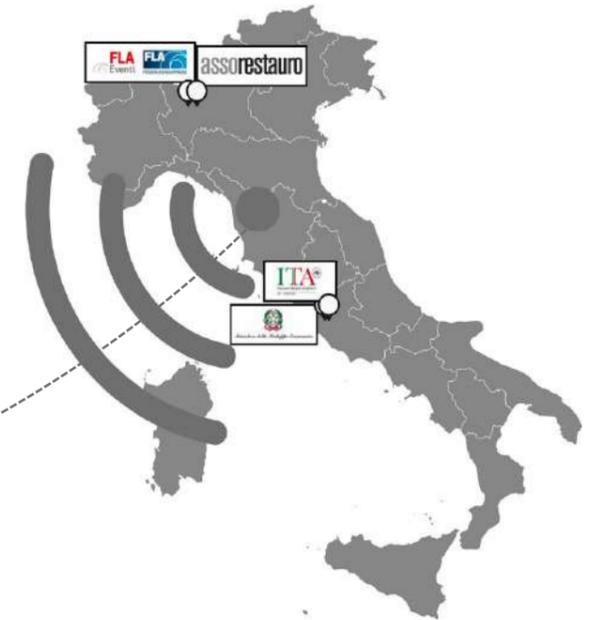
GBC HB

Green Building Council - Protocollo di sostenibilità energetica in edifici storici



IMPIANTO ELETTRICO

Tutto l'impianto elettrico è stato ripensato e previsto con tecnologia italiana integrabile con il sistema domotico proposto per la gestione dell'edificio. Oltre alle dotazioni tecniche e tecnologiche, l'impianto è stato concepito come parte integrante del layout architettonico dell'edificio



SISTEMA DI GESTIONE E CONTROLLO DOMOTICO

L'intelligenza dell'edificio, e la possibilità di dialogare a distanza sia con i tecnici cubani abilitati alla gestione e **manutenzione dell'edificio sia in remoto** dai tecnici italiani, è garantita dall'integrazione di un sistema domotico che potrà controllare gli scenari funzionali dell'edificio sia sotto il profilo dell'illuminazione che dall'impiantistica tecnica, garantendo un livello prestazionale ottimale e verificando in tempo reale le caratteristiche prestazionali dei sistemi proposti.

IL CANTIERE SCUOLA

WORKSHOP 1

IL PROGETTO DI CONOSCENZA: ANALISI STRUTTURALI

WORKSHOP 2

ARCHEOLOGIA DEL COSTRUITO: STUDIO DI MURATURE E DI STRUTTURE ORIZZONTALI E VERTICALI

WORKSHOP 3

IL PROGETTO ESECUTIVO DEL CENTRO REDI: CONFRONTO METODOLOGICO ITALIA-CUBA

WORKSHOP 4 e 5

*MATERIALI E TECNICHE PER IL RESTAURO E LA DEUMIDIFICAZIONE PER LE SUPERFICI MURARIE;
MATERIALI E TECNICHE PER IL CONSOLIDAMENTO STRUTTURALE: APPLICAZIONI IN SITU*

WORKSHOP 6

IMPIANTISTICA ELETTRICA E DOMOTICA, DAL PROGETTO AL CANTIERE: PRESENTAZIONE E INSTALLAZIONE DI SISTEMI DOMOTICI

WORKSHOP 7

APPROCCI SOSTENIBILI E NUOVE TECNOLOGIE

WORKSHOP 8-9

IL DESIGN DEL CENTRO REDI

WORKSHOP 10

RISPARMIO ENERGETICO SOSTENIBILITÀ: IL FOTOVOLTAICO E LA CERTIFICAZIONE GBC HISTORICAL BUILDINGS

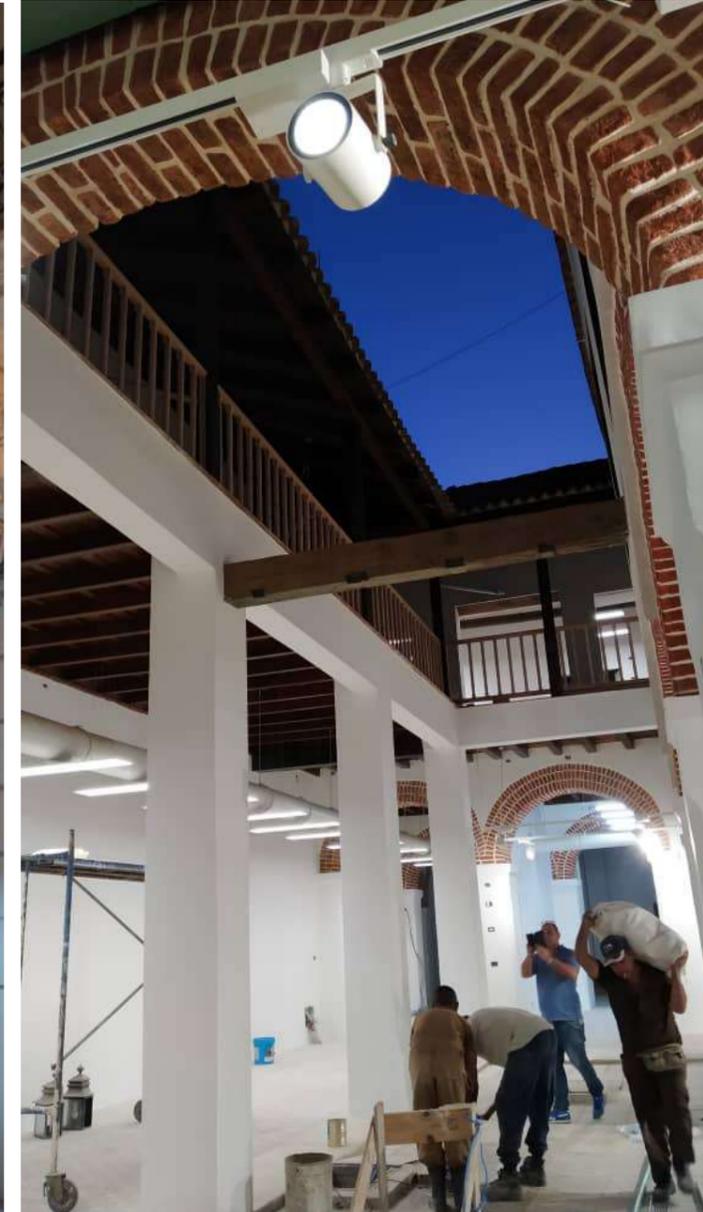


CUBA



A COOPERATION PROJECT IN LA HAVANA

REDI is a cooperation and training project based on the MoU between the Italian Ministry for Economic Development and the OHcH, Oficina del Historiador de la ciudad de La Habana (OHcH). The restoration, the interior design and the high efficiency technological systems studied for the building situated in Calle de San Ignacio, La Habana Vieja, are the result of the cooperation of a team of Italian and Cuban professionals coordinated by Assorestauro and Federlegnoarredo by the Italian Side and the OHcH by the Cuban side. Starting from the construction site, the project is intended to showcase the Italian methodologies on the architectural restoration design, the peculiar materials and technologies developed for Cultural Heritages, involving the local professional.



GBC Historic Building – First international case study – La Havana, Cuba

Sistema HVAC centralizzato, con temperatura e umidità controllata



An open-space cinema hides the technological engine of the building



Air channels for air-conditioning

GBC Historic Building – First international case study – La Havana, Cuba

A led based illumination controlled by a domotic system



The draining system of the roof, collects water for hygienic use and the irrigation of the garden



Restoration week®

11-16 MAY 2025 – VENICE- FERRARA



5 DAYS OF STREAMING FROM

5 DIFFERENT LOCATIONS

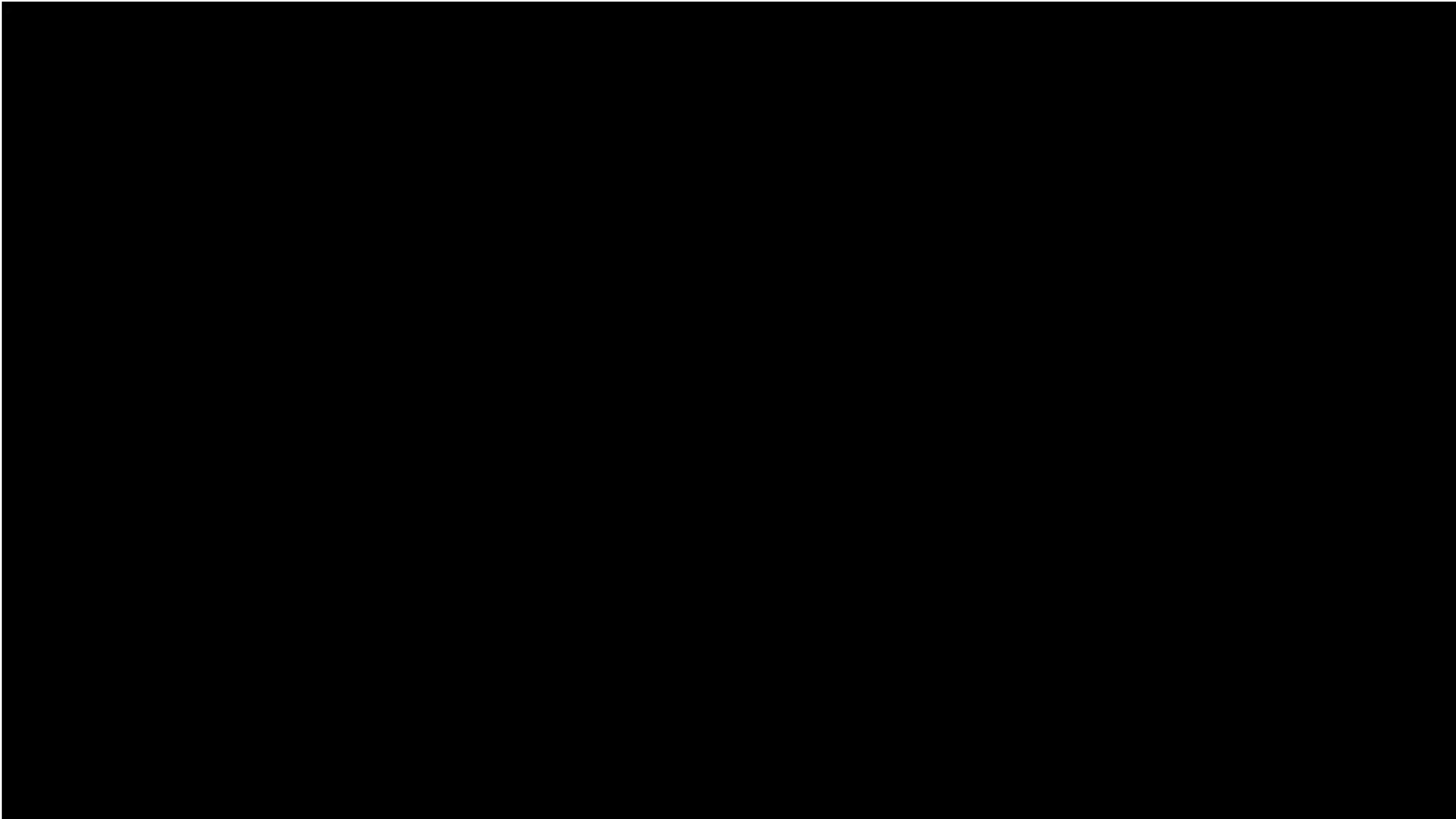
More than 1000 DAILY VIRTUAL VISITORS

20 HOURS OF TECHNICAL VIDEO

CONTENT

- **Documentaries** on restorations of excellences told by the voices of experts in Italian and foreign sites
- International **webinars** on pressing issues in the sector to convey examples of best practices
- **Virtual visits** to construction sites during the phases of restoration and design, to capture exclusive moments





NEW TECHNOLOGIES FOR THE RESTORATION

GLI AFFRESCHI NASCOSTI

SAN PAOLO VECCHIO

VR



Gianluigi Colalucci restaur dal 1980 al 1994

: