

# NEW SURFACE FOR ARCHITECTURE

ItalMesh®  
MADE IN ITALY



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NEW SURFACE FOR ARCHITECTURE | MADE IN ITALY

ItalMesh®





ItalMesh





# ITALMESH, A SPECIALIZED AND TECHNOLOGICALLY ADVANCED COMPANY

ItalMesh is an Italian company operating in both national and international markets. It specializes in the implementation of architectural projects with the use of expanded metal meshes and perforated panels. Its products are suitable for a wide range of applications: from exterior applications, such as facade cladding, sunshades, balustrades and fences, as well as interior projects such as false ceilings and interior design.

Combining advanced technology with premium materials and workmanship, ItalMesh offers endless possibilities of shapes and colors, ensuring a perfect balance between aesthetics and functionality. With a portfolio of over 300 models of expanded meshes and custom perforated panels, available in different materials and thicknesses, the company provides architects and designers with versatile and always innovative solutions.

The innovative fixing systems designed and patented by the ItalMesh team, allows easy and quick assembly. The powder-coated or anodized finish allow the material to self-clean and keep its physical and aesthetic qualities over time.

## A GREEN-HEARTED COMPANY

ItalMesh has always supported the use of environmentally sustainable technologies with low environmental impact.

The company has a truly green heart, reflected not only in its ecological initiatives - such as waste recycling and raw material recovery - integrated into production processes that are 90% powered by photovoltaic energy, but also in the design of products developed with sustainability at their core.

In fact, the use of vertical plant technologies in construction offers a sustainable solution to improve both the urban and industrial environment.

Inspired by this architectural vision, the company has developed meshes designed to host and support plant growth, enabling the creation of green walls that transform into authentic vertical gardens.

## BECOMING A 4.0 COMPANY

ItalMesh has dedicated 2020 to automation, process monitoring, human-machine interaction, and above all, traceability. Each ItalMesh product is marked with a unique code, which not only identifies it, but also allows it to be traced back to each stage of the production process: from the purchase of the raw material, to the processing performed, finishing controls, packaging and even the exact positioning within the boxes.

This ensures full transparency and greatly facilitates installations.



# ITALMESH, DESIGN AND ENGINEERING

ItalMesh team, composed of architects and engineers with a solid background and a forward-looking outlook, follows and supports clients in the realization of their project through all phases. From concept to design, engineering, product realization, and installation, to bring architectural projects to life by studying the best engineering and structural solutions. The goal is to achieve the perfect balance between aesthetics, design, practicality, and innovation.

## CONCEPT DESIGN

Product planning; identification of customer needs; identification of product specifications; concept generation, selection, and testing; product architecture.

## ENGINEERING

CAD, executive technical drawings, assembly specifications, bill of materials, design for manufacturing, technical product communication using illustrations, animations, and interactive 3D material.

## NUMERICAL MODELING

fluid-dynamic simulations (single-phase or multiphase); thermal simulations; structural simulations with traditional or innovative materials; dynamic simulations such as impact and crash; multiphysics simulations; multiphase system simulations.

## PROTOTYPING

Technology services of rapid prototyping, pre-series production, rapid-manufacturing.

ItalMesh has always invested in research and specific technological knowledge to be constantly in line with market trends and customer needs in order to offer cutting-edge and tailor-made solutions and meet any request. To ensure this, it has created an in-house team dedicated to R&D activities.





# ZERO GRAVITY EDEN: PATENTED VERTICAL GARDENS 100% MADE IN ITALY



From the need to research architectural sustainability, ItalMesh developed and patented the Zero Gravity Eden project. It consists of expanded metal mesh transformed into a true vertical garden composed of green walls, designed to easily cover the facades of existing and new buildings.

This solution makes urban environments greener and also improves people's quality of life: in fact, vertical vegetation helps to decrease the amount of energy needed to cool down buildings, optimizing their energy performance, improving their aesthetics, and helping to reduce CO<sub>2</sub> emissions. The panel is 100% Made in Italy, it is produced and assembled in Italy and comes with raw material certification.

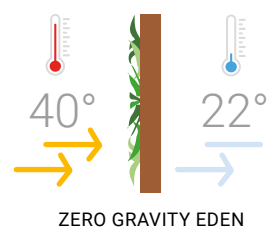


## CHOOSE ZERO GRAVITY EDEN

- > Automated, monitored irrigation and excess water recovery
- > Patented quick and modular anchoring system that is easy to install
- > Vertical garden durability over time and minimal annual maintenance
- > Structure made entirely of 100% recycled Made in Italy aluminum (A2S1D0 certified)

## THE BENEFITS OF ZERO GRAVITY EDEN

- > kg CO<sub>2</sub> /m<sup>2</sup> year: reduction per m<sup>2</sup> of vertical garden installed
- > 31% to 59% energy saved in summer
- > 8°C to 10°C temperature difference between standard and vertical garden facade
- > 5 dB to 8 dB sound absorption effect to ensure acoustic comfort



The company has launched a scientific research and consulting activity in collaboration with Politecnico di Milano, and its patented technology has been featured in international scientific studies and publications.

Zero Gravity Eden is officially recognized as a Nature based Solution (NbS type "3") under European Commission's biodiversity enhancement guidelines.



# THE MAGIC OF LIGHT COMBINES WITH THE TECHNOLOGY OF COATING



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ITALMESH MAKES THE  
SPACE AROUND YOU  
THREE-DIMENSIONAL

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100% MADE IN ITALY  
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MAKE THEM UNIQUE

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# THE SOLUTION TO EVERY ARCHITECTURAL PROJECT

Italmesh's goal is to bring the architectural project to life by developing the best engineering and structural solutions, seamlessly combining aesthetics, design, practicality and innovation. The ItalMesh team supports clients throughout every stage of the process - from concept and design to engineering, production, and installation.

A continuous research into new materials, application systems and finishes ensures the products versatility. ItalMesh materials are not only ideal for new constructions, but also for the modernization and upgrading of pre-existing buildings for which the company provides innovative and customized solutions.

ItalMesh products are fully customizable enabling clients to transform their creative ideas into reality with the support of a dedicated and experienced team. All materials are entirely Made in Italy, 100% recyclable and certified according to current regulations and national and international standards.







# DESIGN, PRODUCTION AND INSTALLATION



## ITALMESH PROVIDES:

- CONCEPT DESIGN
- IDENTIFICATION OF CUSTOMER NEEDS
- STUDY OF ARCHITECTURAL AND AESTHETIC SOLUTIONS
- PROJECT DEVELOPMENT
- ENGINEERING AND REALIZATION OF EXECUTIVE TECHNICAL DRAWINGS
- ANIMATION AND CREATION OF INTERACTIVE 3DS
- FLUID DYNAMIC SIMULATION
- THERMAL SIMULATIONS
- STRUCTURAL SIMULATIONS
- PROTOTYPING AND MOCK-UPS
- INSTALLATION AND SUPERVISION ON SITE

## PRODUCTION

ItalMesh relies on in-house experts specialized in Building Information Modeling (BIM) - a methodology that allows for precise planning, streamlined production, and optimized implementation and management of construction projects.

All project data is collected, combined and digitally linked within a database to transfer machine settings to production.

The virtual construction is also viewable as a three-dimensional geometric model, with guaranteed traceability of each element.





## PRODUCTION PROCESS

ItalMesh production covers over 20.000 square meters and is made up of the latest generation machinery interconnected that communicates with the programming and planning offices.

The production areas are divided into sheet metal processing sectors with cutting and bending areas, profile processing areas with machining centers and marking machines.

A robotic welding area ensures fast turn-around times and consistent quality across both large and small production batches.

ItalMesh has also dedicated part of its facility to surface finishing, equipped with two next-generation robotic powder coating lines.



## INSTALLATION

ItalMesh's patented application systems are specifically designed to ensure quick and easy installation. Panels installed using ItalMesh systems are fully removable, allowing flexibility during maintenance or future modifications.

The company has achieved RT-05 certification (Accredia's Technical Regulation 05), which defines the requirements for evaluating and certifying construction and installation companies operating in the building sector.

This regulation provides guidelines for the proper management of site access and documentation - not only in terms of safety, but also regarding full product traceability. The ability to identify each individual panel

is crucial, particularly for complex architectural projects.

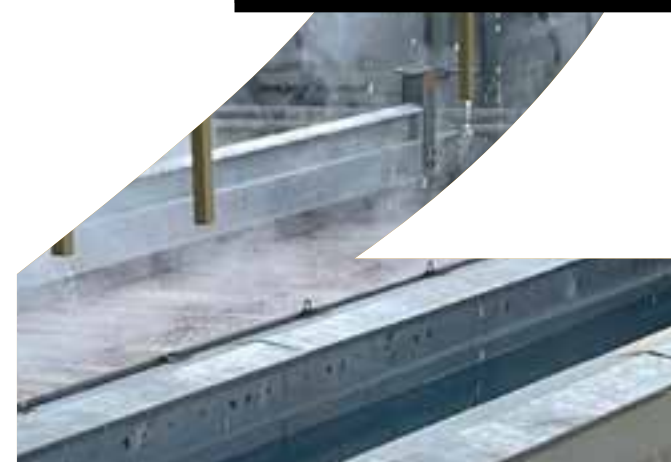
The finishes are designed not only to provide special aesthetic effects that personalize and make each project unique, but above all as a protective coating that allows high resistance to the most extreme weather conditions.







# TREATMENTS AND FINISHES MADE TO LAST

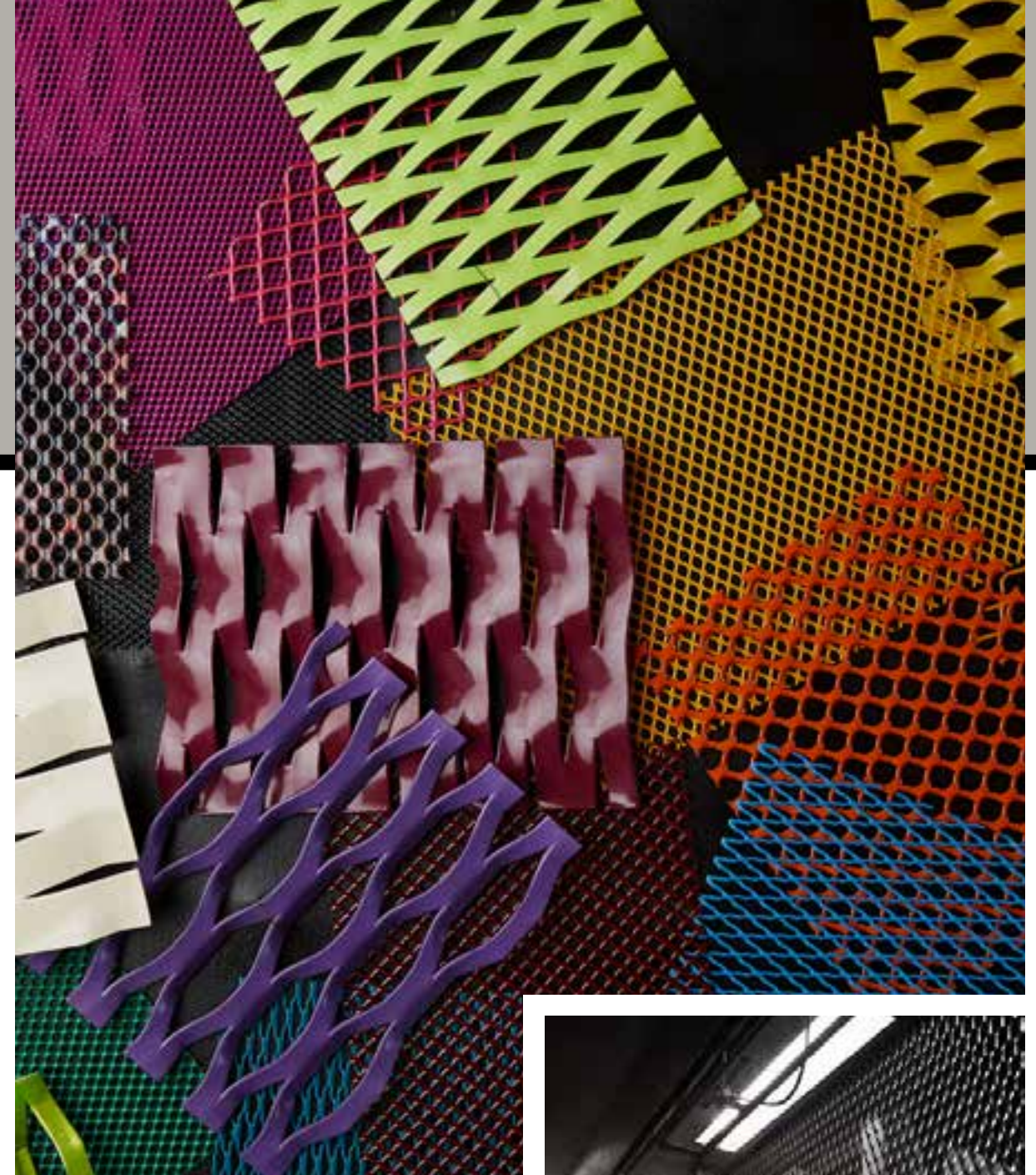


The finishes are designed not only to offer special aesthetic effect that embellish each project, but also as a protective coating that allows high resistance to the most extreme climatic conditions.

## POWDER COATING

The company is able to quickly provide various customized color solutions and guarantee durability and uniqueness at the same time. The powder coats used are composed of thermosetting resins with addition of pigments giving the color. The powder coating cycle consists of 7 stages of pre-treatment in washing tunnels, powder coating in automated booths equipped with anthropomorphic robots.

All parameters are constantly recorded and monitored. Powders used are completely non-toxic, with high resistance to UV rays and corrosion.



## ANODIZING

The electrolysis process is carried out in special tanks where direct current passes through and the coloring takes place.

A protective oxide layer forms on the surface of the treated metal and protects it from corrosion. The electrochemical treatment of metal surface improves corrosion and wear resistance.







# DEVELOP YOUR IDEAS AND MAKE THEM UNIQUE

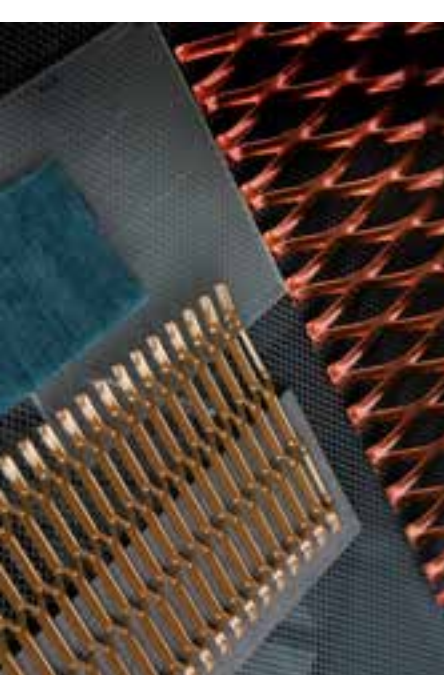


100%  
Made in Italy



100%  
Riciclabile

ItalMesh's strength is custom fabrication. For the architectural sector from the production departments, fully customized products are made, in size, shape, finish and mounting systems.



ItalMesh has created within its company a staff dedicated to research and development in order to respond to a wide variety of market demands. Each solution proposed is different and original, with a focus on practicality and functionality.

The finishes are designed to ensure long-lasting durability while contributing to environmental sustainability - an essential commitment for a conscious and responsible society. The design of each cladding system takes into account the specific requirements of its intended use, as well as the construction constraints defined by the executive drawings.

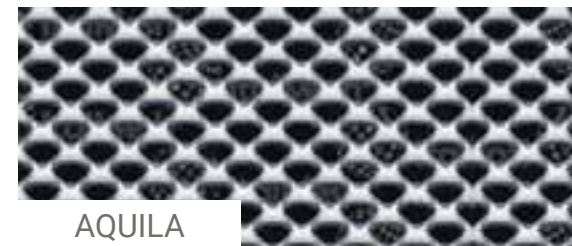
Thanks to the distinctive features of expanded metal meshes, advanced technology, and specialized craftsmanship, ItalMesh guarantees the highest quality and reliability for projects of any scale.





# ITALMESH MAKES THE SPACE AROUND YOU THREE- DIMENSIONAL

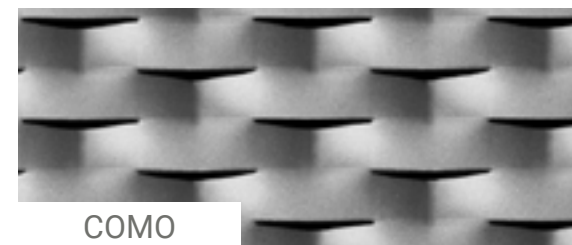
## EXPANDED MESH



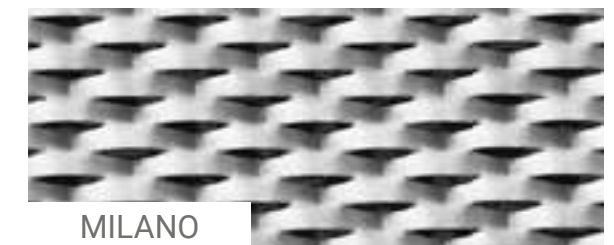
AQUILA



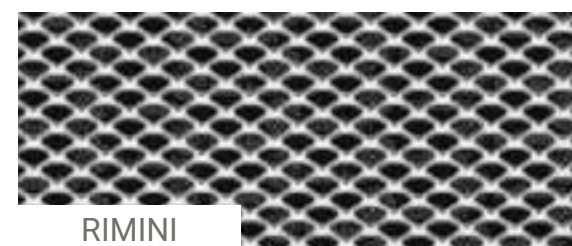
BRESCIA



COMO



MILANO



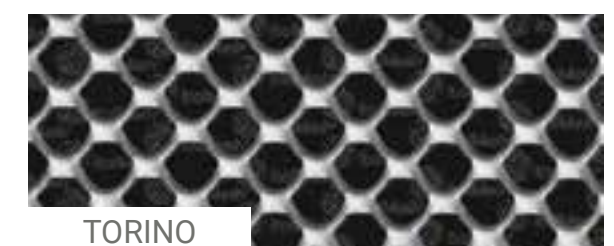
RIMINI



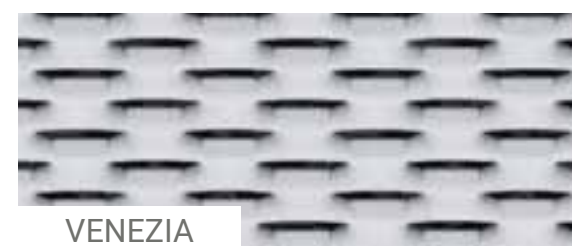
ROMA



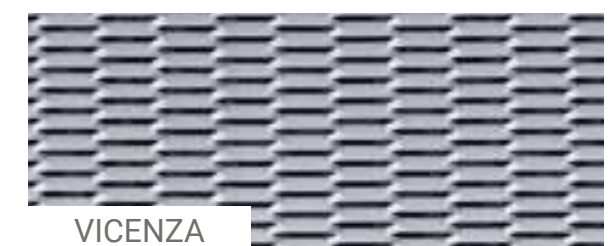
SIENA



TORINO



VENEZIA



VICENZA

## EXPANDED MESH

More than 300 models of expanded metal mesh that ItalMesh offers to the market can be made of iron, aluminum, stainless steel, weathering steel, copper and brass, with thicknesses ranging from 0.5 mm up to 5 mm. The expanded metal meshes, with the alternation of curved and flat surfaces and the interplay of solids and voids, lights and shadows, create unmistakable aesthetic effects.

## PERFORATED PANELS

The capacity and production innovation has allowed ItalMesh to create panels with customized designs through the different types of drilling and laser cutting, which find application in architectural field.

## THREE-DIMENSIONAL EFFECTS

Modern manufacturing processes allow to create three-dimensional shapes using expanded mesh to respond to individual customer needs. Inspired by geometries and natural elements, the expanded metal meshes create unique optical effects, that change with the variation of light and the point of observation.



## PERFORATED PANELS



## SPARKLING MESH NEW PRODUCT - NEW IDEAS - NEW DESIGN





# 100% MADE IN ITALY MATERIALS AND CERTIFICATIONS

In ItalMesh, quality is embraced throughout the company as both an organizational tool to enhance customer satisfaction and a driver for continuous operational improvement.

The correct and consistent definition of processes coordinates the collaboration between all departments, both production and support. Since 2010, ISO 9001 certification has been achieved, in addition to ESMA certification, specific for Middle Eastern markets.

In 2021 ItalMesh achieved ISO 17065 certification (ASTM D1929- 20 AND UNI EN 1350- 1:2019) for reaction to fire.

Close cooperation with certificated partners working in quality control is a key aspect that ensures high quality standards.



ISO9001: 2015  
PROCESS CERTIFICATION



ISO17065: 2012  
CERTIFICATION FOR IGNITABILITY  
(ASTM D1929-20 E UNI EN 1350-1:2019)  
**Classification A2-s1, d0**



RT-05  
MANAGEMENT OF SITE



ESMA CERTIFICATE  
(Emirates Authority for  
Standardization and metrology)

**CQOP SOA**  
Costruttori Qualificati Opere Pubbliche



# WHY CHOOSE ITALMESH: THE POWER OF COATING

## MODULARITY

FROM THE SIMPLEST TO THE MOST  
COMPLEX SOLUTIONS FOR ANY  
ARCHITECTURAL PROJECT

## EFFECTS

ITALMESH CREATES  
EXTRAORDINARY EFFECTS BY  
CROSSING THE CREATIVITY OF THE  
CLIENT WITH ALWAYS INNOVATIVE  
PRODUCTS

## QUALITY

ITALMESH PRODUCTS ARE  
PERFECTLY COPLANAR AND  
GUARANTEED OVER TIME

## Eco GREEN

ITALMESH HAS A GREEN HEART  
AND USES ENVIRONMENTALLY  
SUSTAINABLE TECHNOLOGIES WITH  
LOW ENVIRONMENTAL IMPACT IN  
ITS PRODUCTION PROCESSES

## CREATIVITY

ITALMESH CAN CUSTOMIZE EVERY  
VARIATION OF SHAPE, SIZE AND  
COLOR

## RESEARCH

THE COMPANY HAS ALWAYS  
INVESTED IN RESEARCH AND  
TECHNOLOGY FOR CUTTING EDGE  
AND CUSTOMIZED SOLUTIONS

## EASE

ITALMESH'S TECHNOLOGICAL  
SOLUTIONS ALLOW FOR GREAT EASE  
AND SPEED OF INSTALLATION

## 3D MESH

ITALMESH USES STRETCHED  
MESH TO CREATE UNIQUE THREE -  
DIMENSIONAL SHAPES AND OPTICAL  
EFFECTS

RESEARCH

3D MESH

ECO GREEN

MODULARITY

ItalMesh

EFFECTS

QUALITY

EASE

CREATIVITY



# ETIHAD ARENA



LOCATION  
ABU DHABI - UAE

TOTAL SMQ  
25.000

MATERIAL  
BRESCIA 200R  
ROMA 65  
RIMINI 15  
SIENA 45



It is the largest and most modern indoor multipurpose facility in the Middle East, with a capacity of 18,000 spectators and hosts a wide range of events.

The Etihad Arena isn't only a modern architectural structure, but also a 100% sustainable building: in fact, it won the Sustainable Building Design of the Year award at the 2018 MENA Green Buildings Awards.

An iconic design inspired by the woven meshes of baskets used by Bedouin tribes, combined with a modern architectural structure that maintains a strong connection to the country's cultural heritage.

Located along the vibrant Yas Bay waterfront on Yas Island in Abu Dhabi, the project covers a total area of 216 square meters and features approximately 300 gold-colored Brescia 75 expanded metal panels, finished through a special anodizing process that gives them their distinctive hue.

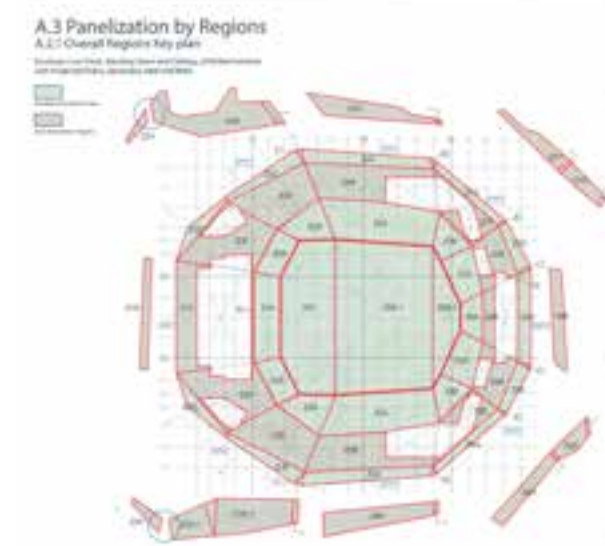


The building was completed in 2021.

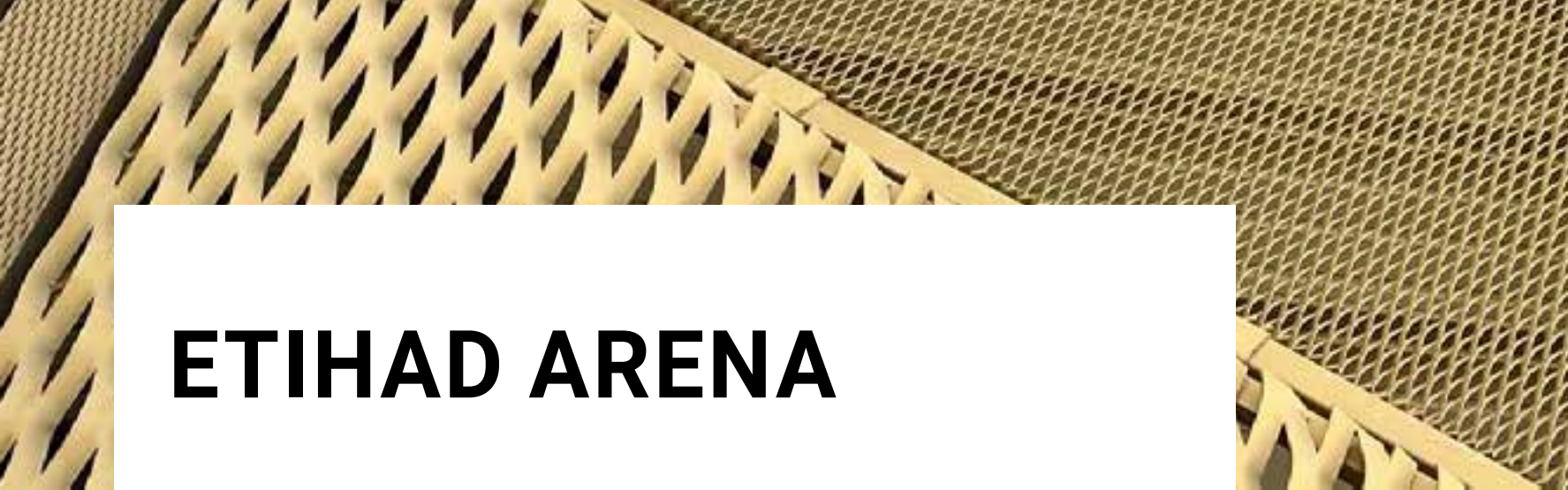
ItalMesh participated in the design, engineering and construction of all the modules used for the cladding of the external facade.

Technicians did more than a year of research to find the perfect solution for the installation of over 28,000 expanded metal mesh panels, where only 2,000 pieces are standard and the rest of them is completely customized and different.

ItalMesh team followed every stage of the production process, organizing the installation sequence, checking with engineers and architects in charge of work, aesthetic, functional and warranty aspects. Precisely for this reason, high quality raw materials and guaranteed finishes were chosen.





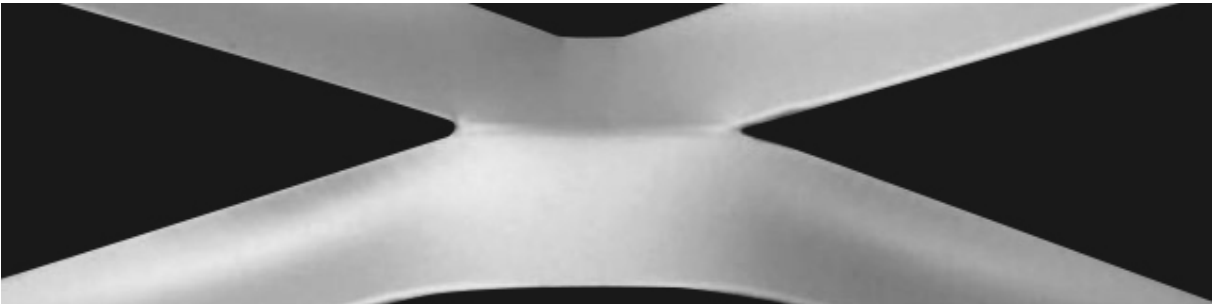


# ETIHAD ARENA



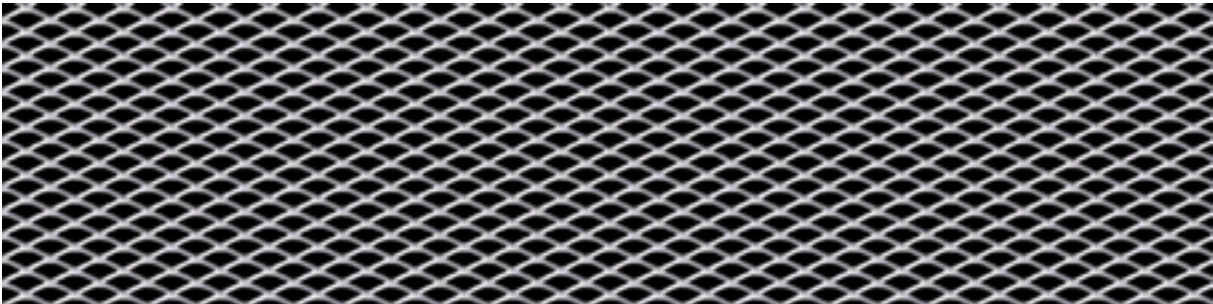
## TECHNICAL SPECIFICATIONS

### | BRESCIA 200R



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
200 x 80 - 30 x 1,5 200 x 80 - 30 x 2 200 x 80 - 30 x 3 200 X 80 - 30 x 4	8,87 11,75 17,62	8,1	DL 1000 - 1250 - 1500 x DC 3000 DL 2000 - 2500 x DC 2500 max	32	27%

### | RIMINI 15



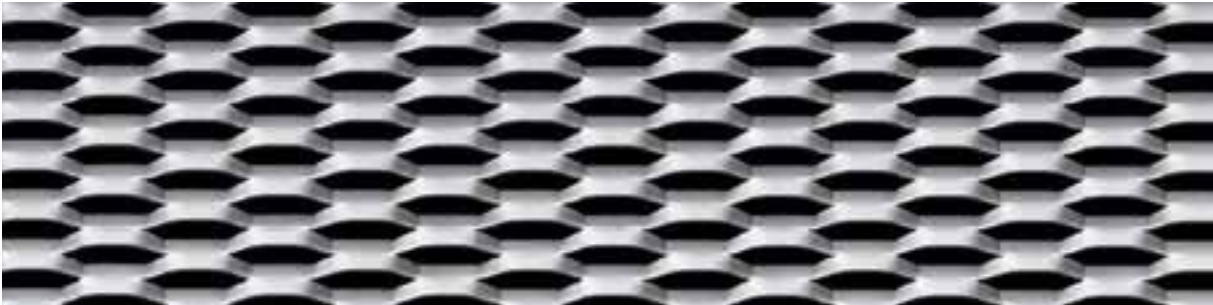
MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
R 16 X 8 - 2 X 1	4,00	1,40	DL 1000 - 1250 - 1500	3	50%

### | ROMA 65



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
R 62 x 23 - 8 x 0,6 R 62 x 23 - 8 x 1 R 62 x 23 - 8 x 1,5	3,35 5,60 8,2	1,15 1,90 2,80	DL 1000-1250-1500	10	38%
				10	38%
				10	38%
				10	38%

### | SIENA 45



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
45 X 15 (13,4) - 5 X 1,5 45 X 15 (13,4) - 5 X 45 X 15 (13,4) - 5 X 3	8,80 11,60 17,50	3,00 4,00 6,00	DL 1000-1250-1500 x DC 3000 DL 2000-2500 x DC 2000	7	33,3%
				7	33,3%
				7	33,3%
				7	33,3%



# HEAD QUARTER



LOCATION  
ALESSANDRIA  
ITALY

TOTAL SMQ  
7.000

MATERIAL  
PERFORATED  
ANODIZED  
PANELS



Inaugurated in the spring of 2025, a famous brand of Made in Italy jewellery opened its new headquarters in the historic goldsmith district of Valenza, in the province of Alessandria.

The ItalMesh Team was chosen by the client to create the external facades of the building, covering a total of 7,000 sqm. The client requested elegance and refinement, and ItalMesh hit the mark by creating a cladding of micro-perforated panels dyed with shades of blue and gold. Each panel was made using a special anodising process, a chemical process carried out to enhance both the technical and aesthetic characteristics of the surface.





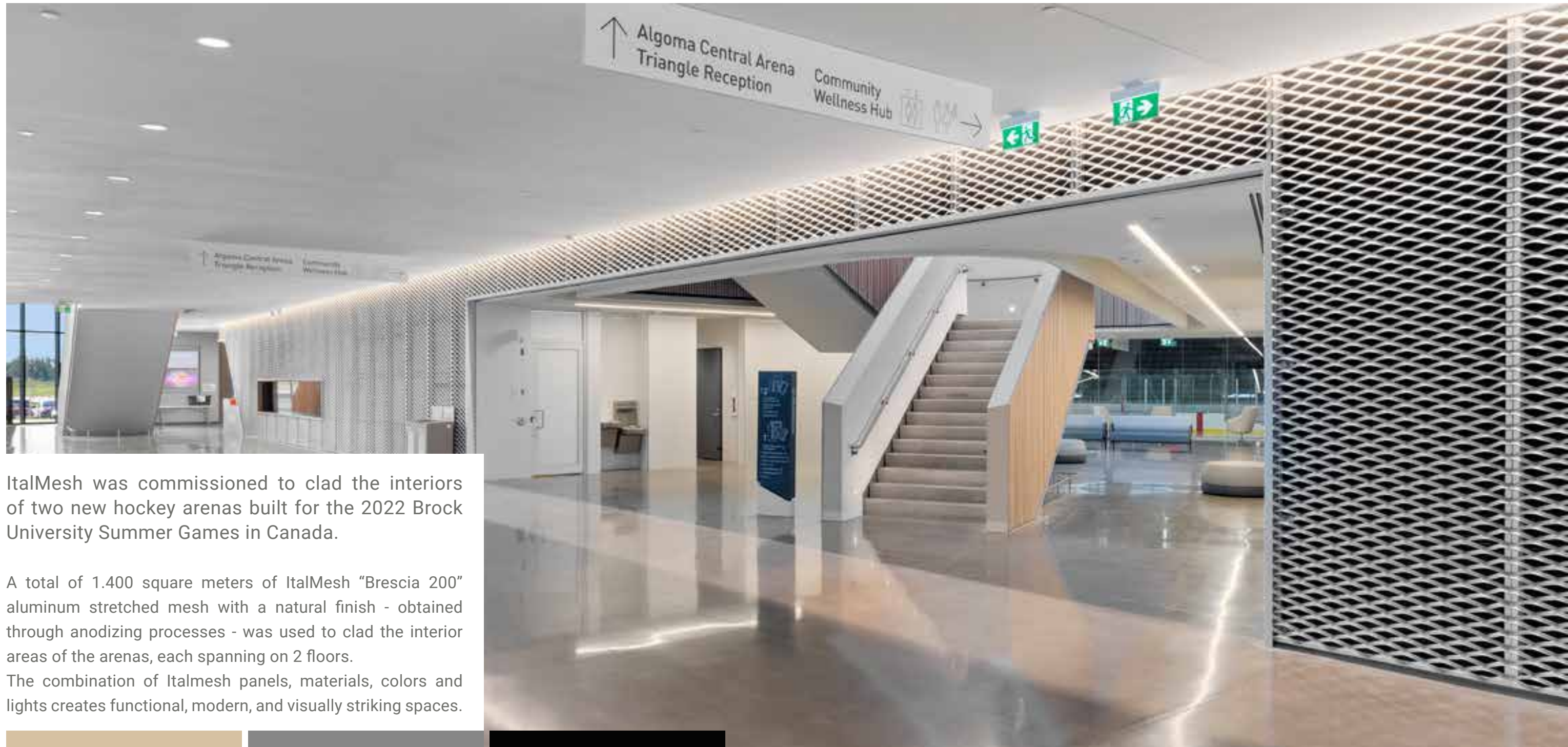
# SPORT ARENAS



LOCATION  
NIAGARA  
CANADA

TOTAL SMQ  
1.500

MATERIAL  
BRESCIA 200



ItalMesh was commissioned to clad the interiors of two new hockey arenas built for the 2022 Brock University Summer Games in Canada.

A total of 1.400 square meters of ItalMesh “Brescia 200” aluminum stretched mesh with a natural finish - obtained through anodizing processes - was used to clad the interior areas of the arenas, each spanning on 2 floors.

The combination of ItalMesh panels, materials, colors and lights creates functional, modern, and visually striking spaces.



# SPORT ARENAS



## TECHNICAL SPECIFICATIONS



**BRESCIA 200**



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
200 x 75 (80) - 24 x 1,5	7,10	2,40	DL 1000-1250-1500 x DC 3000	32	52,3%
200 x 75 (80) - 24 x 2	9,40	3,20	DL 2000-2500 x DC 1800	32	52,3%
200 x 75 (80) - 24 x 3	14,10	4,70			52,3%





# ZUCCHETTI VILLAGE



LOCATION  
LODI  
ITALY

TOTAL SMQ  
216

MATERIAL  
BRESCIA 75



## TECHNICAL SPECIFICATIONS



BRESCIA 75



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open	Open Air Flow
76 x 31 (35) - 11 x 1,5	7,80	2,6	DL 1000-1250-1500 x DC 3000	14	42%	61%
76 x 31 (35) - 911 x 2	10,2	3,40	DL 2000-2500 x DC 2300	14	42%	61%

07

For the requalification of a shopping center based in Lodi, ItalMesh team has been chosen to cover two facades of the Zucchetti Group headquarters building.

To cover a surface of 216 square meters, will be used about 300 panels of expanded metal mesh model "Brescia 75" with a gold finish obtained with a special anodizing process.



# FERRARI & MASERATI SHOWROOM



LOCATION  
DUBAI - UAE

TOTAL SMQ  
400

MATERIAL  
BRESCIA 250



## TECHNICAL SPECIFICATIONS



**BRESCIA 250**



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
250 x 90 (96) - 25 x 1,5	6,30	2,10	DL 1000-1250-1500 x DC 3000	37	59%
250 x 90 (96) - 25 x 2	6,30	2,80		37	59%
250 x 90 (96) - 25 x 3	12,60	4,20		37	59%

ItalMesh has contributed to the creation of the Dubai showroom of prestigious italian car manufacturers. Expanded meshes were used for shielding the entrance of the building to obtain the sinuous effect desired by the customer.

ItalMesh team has proceeded to create shaped panels through the water cutting of expanded metal mesh. The model we decided to is Brescia 250 in aluminum, the expanded metal mesh has been powder coated with matt RAL 9005 color.



# BURGER KING



LOCATION  
ROVERETO  
ITALY

TOTAL SMQ  
1.250

MATERIAL  
PERFORATED  
AND PAINTED  
ALUMINIUM  
PANELS



Team ItalMesh engineered and produced the external cladding of the new Burger King store in Rovereto opened in 2023.

1250sqm of perforated aluminium sheet were used and painted with a highly durable white powder product that, depending on how it reflects the light and the different position of the observer, gives depth and movement to the complex. In addition, all inserts and profiles in red, create a nice contrast with the glossy white of the walls.



PERFORATED PANELS - CUSTOM





# UP TOWN



LOCATION  
DUBAI - UAE

TOTAL SMQ  
6000

MATERIAL  
BRESCIA 400  
SIENA 150



One of the latest challenges faced by ItalMesh team was the construction of UP TOWN, the new tower in Dubai that represents the best of luxury, located in the international Uptown district.

Thanks to the experience gained over the years, ItalMesh realized the cladding of the entire lower part of the second tallest tower in Dubai, after Burji Khalifa.

For the realization of this project, more than 6000sqm of expanded metal mesh - models Brescia 400 and Siena 150 - powder-coated in matt silver were produced. The uniqueness of the project is dictated by diversity of panels, most of them with a curvature that gives roundness and dynamism to the project.





# UP TOWN



## TECHNICAL SPECIFICATIONS



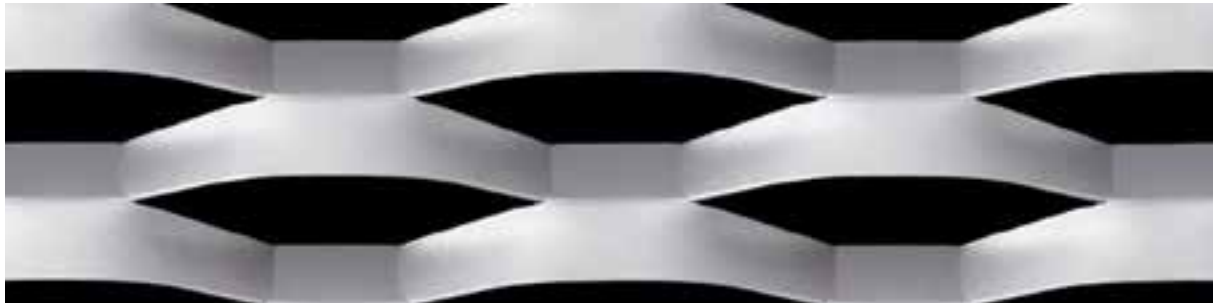
### BRESCIA 400



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
R 400 x 140 (140) - 33 x 2	7,20	2,60	DL 1250 x DC 3000	53	63%
R 400 x 140 (140) - 33 x 3	11,00	3,80	DL 2200 x DC 2500	53	63%



### SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		





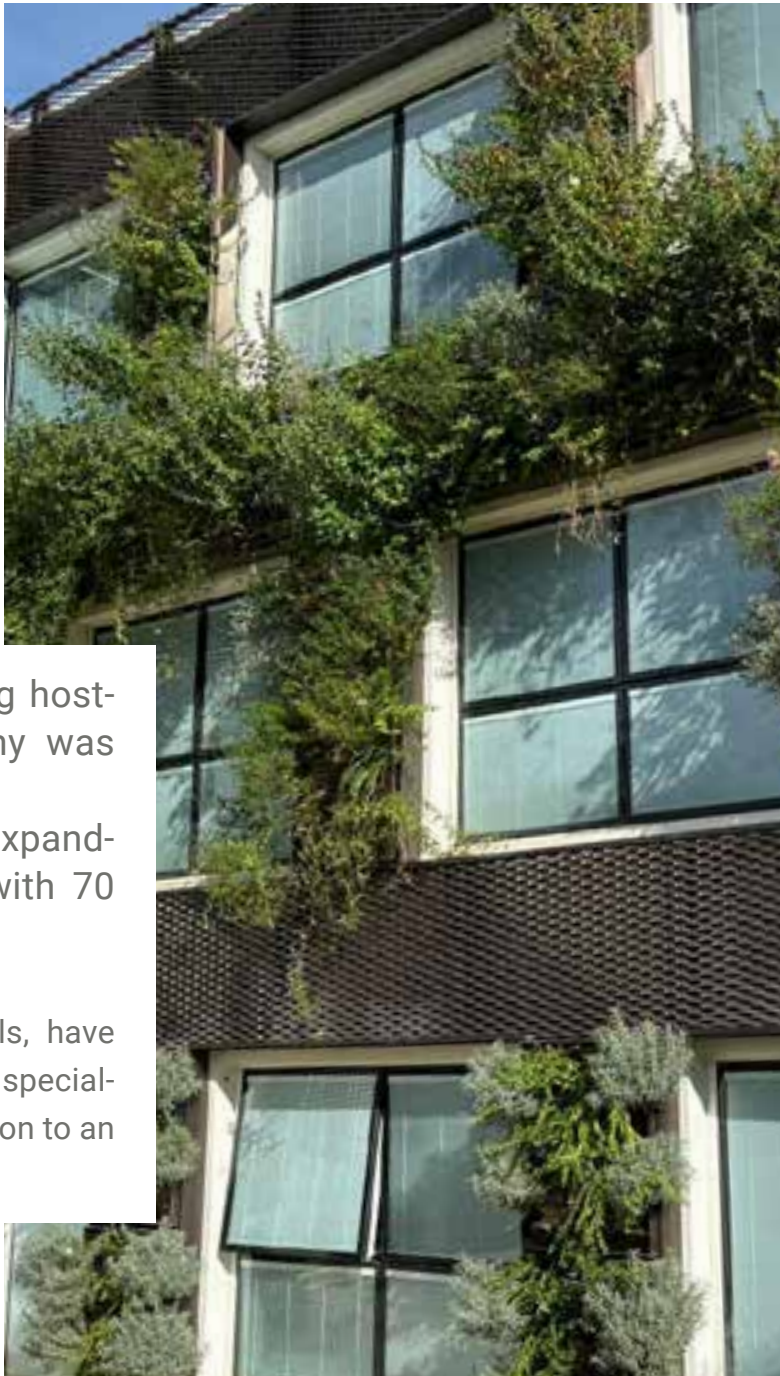
# BANK HEADQUARTERS



LOCATION  
DONORATICO  
ITALY

TOTAL SMQ  
370

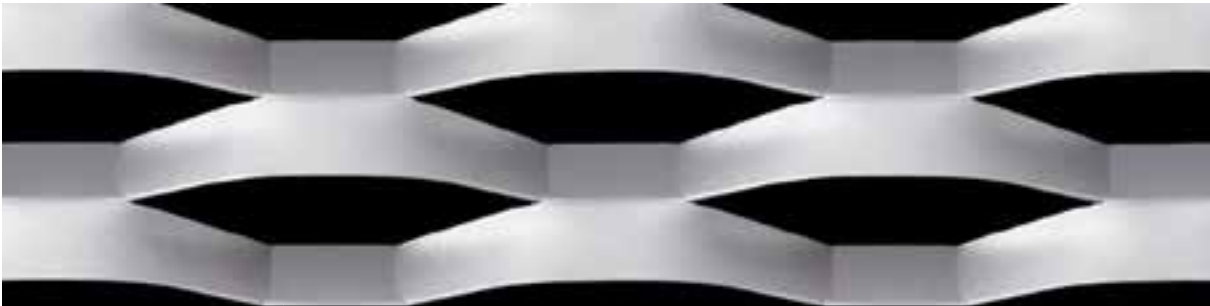
MATERIAL  
SIENA 150  
ZERO GRAVITY  
EDEN



## TECHNICAL SPECIFICATIONS



SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		

The requalification of an old building hosting bank offices located in Tuscany was completed in 2023. We cladded over 370 sqm with our expanded metal mesh model Siena 150, with 70 panels of Zero Gravity Eden.

All meshes and Zero Gravity Eden panels, have been powder coated in dark bronze, a color specially chosen to give elegance and sophistication to an enterprise building.



# BINGHATTI

With dynamic growth in recent years, Muhammad Binghatti became pioneer of a new era in the Middle East thanks to his real estate architectural and design portfolio with a revolutionary architectural design.



LOCATION  
DUBAI - UAE

TOTAL SMQ  
6.000

MATERIAL  
BRESCIA 250

The new residential complex designed by Binghatti has been inspired by traditional pearl fishing; it can be seen from the external facades that remind the structure of pearls shells. The concept of his project has deep historical roots revisited with contemporary glance. Another peculiarity lays on its geometrical structure which differences it from most skyscrapers in Dubai city. ItalMesh has participated to the construction of this architectural masterpiece realizing the lower part of the building using 6000smq of black powder-coated "Brescia250" panels.



## TECHNICAL SPECIFICATIONS



| BRESCIA 250



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
250 x 90 (96) - 25 x 1,5	6,30	2,10	DL 1000-1250-1500 x DC 3000	37	59%
250 x 90 (96) - 25 x 2	6,30	2,80		37	59%
250 x 90 (96) - 25 x 3	12,60	4,20		37	59%



# DOCKLANDS



LOCATION  
VICTORIA  
ISOLE  
SEYCHELLES

TOTAL SMQ  
1.200

MATERIAL  
PERFORATED  
PANELS  
(AHTIME ARCHITECTS)

The requalification of a multi-purpose center in Victoria, Seychelles, was carried out in collaboration with AHTIME Architects Studio.

The intervention involves the cladding of the facades with perforated aluminum sheet metal panels. The cladding and holes design was completely conceived and implemented by the ItalMesh team.

The project takes on a new elegant dress when the sun goes down, in fact, by exploiting the play of full and empty, the facades of the multipurpose center become real lighting fixtures, turning the building into an architectural lantern.

PERFORATED PANELS - CUSTOM



07



# LE VELE SHOPPING CENTER



LOCATION  
DESENZANO  
DEL GARDA  
ITALY

TOTAL SMQ  
1.350

MATERIAL  
BRESCIA 75

In 2022, Italmesh launched the project of modernization and expansion of the shopping center “Le Vele” in Desenzano del Garda.

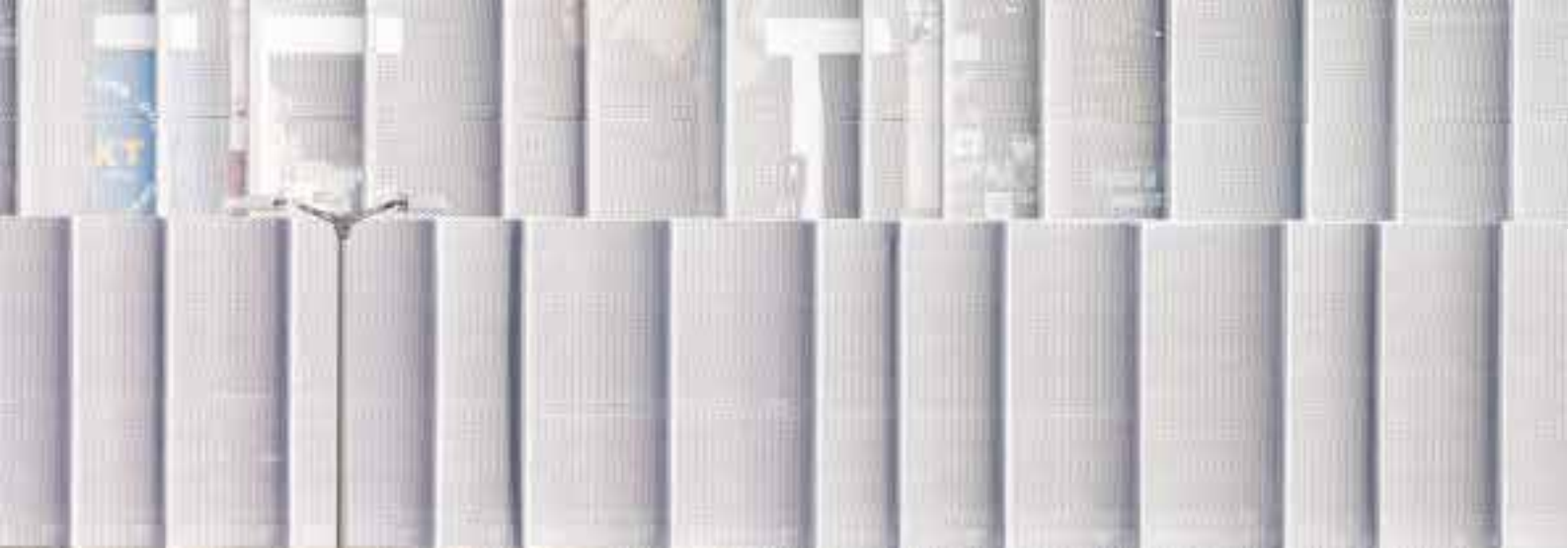
An architectural redevelopment that affects both the interiors and exteriors. An innovative design that remains rooted in local traditions - inspired by the lake and the sails of the boats from which the center takes its name.

Italmesh contributed to the façade restyling by supplying and installing 1,350 square meters of “Brescia75” expanded aluminum mesh panels.

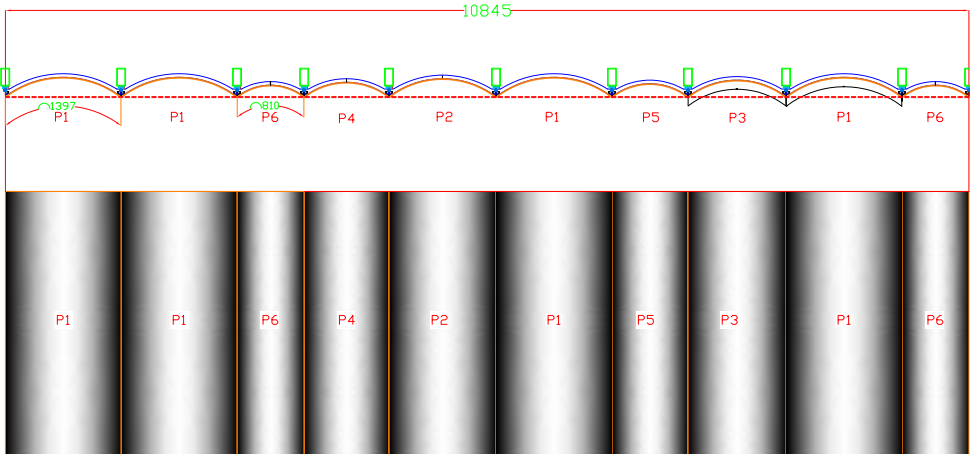
The panels were curved and powder-coated in RAL 9003, providing a clean and contemporary finish.








# LE VELE SHOPPING CENTER



## TECHNICAL SPECIFICATIONS

 | BRESCIA 75

						
MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open	Open Air Flow
76 x 31 (35) - 11 x 1,5	7,80	2,6	DL 1000-1250-1500 x DC 3000	14	42%	61%
76 x 31 (35) - 911 x 2	10,2	3,40	DL 2000-2500 x DC 2300	14	42%	61%



# PARKING KFD



LOCATION  
RIYADH  
ARABIA  
SAUDITA

TOTAL SMQ  
11.000

MATERIAL  
BRESCIA 75

Multi-storey car park of the financial center and subway station in Saudi city Riyadh.

ItalMesh designed and produced about 4.000 panels of expanded metal mesh model “Brescia 75”, which cover the facades of the building.

A distinctive feature of the project is the use of more than 400 custom-designed panels, developed by the ItalMesh technical team. The panels’ three-dimensional effect was achieved through meticulous design work, incorporating precise folds and grooves that enhance the depth and visual impact of the facade.

A mix of 6 anodized colors give dynamism and elegance to the entire structure.



## TECHNICAL SPECIFICATIONS



| BRESCIA 75



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open	Open Air Flow
76 x 31 (35) - 11 x 1,5	7,80	2,6	DL 1000-1250-1500 x DC 3000	14	42%	61%
76 x 31 (35) - 911 x 2	10,2	3,40	DL 2000-2500 x DC 2300	14	42%	61%



# ALFA ACCIAI



LOCATION  
BRESCIA  
ITALY

TOTAL SMQ  
800

MATERIAL  
SIENA 150  
ZERO GRAVITY  
EDEN

The areas involved in the redevelopment of the Brescia-based company are the office building and the main entrance.

To carry out this project, ItalMesh used “Siena 150” expanded mesh panels and Zero Gravity Eden vertical garden panels. This solution is optimal to reduce emissions from production plants and for beautifying buildings.



 ZERO  
GRAVITY  
EDEN®  
theverticalgarden

## TECHNICAL SPECIFICATIONS



| SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		



# PEARL MARZOUQ



LOCATION  
KUWAIT CITY  
KUWAIT

TOTAL SMQ  
13.000

MATERIAL  
BRESCIA 200  
BRESCIA 400

## TECHNICAL SPECIFICATIONS



### BRESCIA 200



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
200 x 75 (80) - 24 x 1,5	7,10	2,40	DL 1000-1250-1500 x DC 3000	32	52,3%
200 x 75 (80) - 24 x 2	9,40	3,20	DL 2000-2500 x DC 1800	32	52,3%
200 x 75 (80) - 24 x 3	14,10	4,70			52,3%



### BRESCIA 400



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
R 400 x 140 (140) - 33 x 2	7,20	2,60	DL 1250 x DC 3000	53	63%
R 400 x 140 (140) - 33 x 3	11,00	3,80	DL 2200 x DC 2500	53	63%

Pearl Marzouq, an historic building located in the central area of Kuwait City, occupies an area of 5,600 square meters.

ItalMesh was selected by the property and the architectural firm Pad10 to upgrade the building's entire facade using expanded aluminum mesh.

To give the structure a modern and distinctive appearance, two different models - Brescia 200 and Brescia 400 - were used.

Both were powder-coated to ensure maximum durability and resistance to the area's climatic conditions.





NATEX



LOCATION  
LIVERPOOL  
ENGLAND

TOTAL SMQ  
800

MATERIAL  
SIENA 150



Situated in the Liverpool university campus, Natex is a project designed for students.

For these students' residences, ItalMesh team has been selected for the realization of external facades with the use of expanded mesh panels "Siena 150" powder coated in a champagne color.

The panels have been planted alternated to the windows, creating a chessboard game that runs across the whole facade, for a total of 800sqm.

#### TECHNICAL SPECIFICATIONS



SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		



# CANTARELLI



LOCATION  
PARMA  
ITALY

TOTAL SMQ  
700

MATERIAL  
SIENA 300R



Facade cladding for the warehouse and office building of a company dedicated to the storage and aging of Parmigiano Reggiano in Felino, in the province of Parma.

The architect was inspired by the history and tradition of the geographical area, in fact the cladding, made with the “Siena 300R” mesh model that recalls the shape of cheese that the company processes.

The panels were entirely profiled, roll-formed, and press-bent through a specialized process to achieve the desired result.

A distinctive feature is the choice of black for the façade, which recalls the natural color of untreated Parmigiano Reggiano wheels prior to 1960.



## TECHNICAL SPECIFICATIONS



SIENA 300R



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
300 x 100 (100) - 28 x 1,5		2,30	DL 1000-1250-1500 x DC 3000	42	54,5%
300 x 100 (100) - 28 x 22		3,00	DL 2000-2500 x DC 2500	42	54,5%
300 x 100 (100) - 28 x 3		4,60		42	54,5%



# KING FAHAD OPERA HOUSE



LOCATION  
RIYADH  
SAUDI ARABIA

TOTAL SMQ  
3.300

MATERIAL  
TORINO 10

For the King Fahad Opera House' ceilings in Saudi Arabia, Italmesh chose the Torino 10 expanded mesh for 2600 bronze-colored panels.

Each panel is printed with triangular figures in some of which solid-sheet metal triangles were attached, not only creating innovative visual effects, but also helping with the best sound propagation.

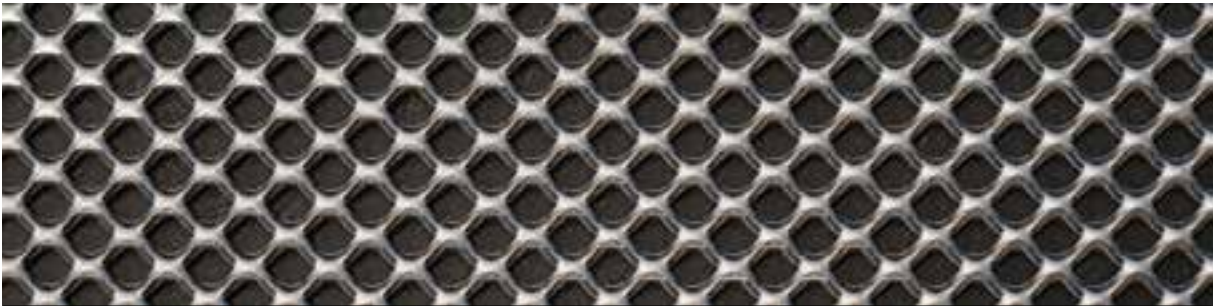
To ensure the success of this important project, in addition to the study and concept of the panels, Italmesh team also collaborated with sound engineers and technicians.



## TECHNICAL SPECIFICATIONS



TORINO 10



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
T 10 x 1,6 x 1 - d 5	3,30	1,15	DL 1000-1250-1500	1	52%
T 10 x 1,6 x 1,5 - d 5	4,90	1,70		1,5	50%
T 10 x 1,6 x 2 - d 5	6,50	2,40		2	48%



# ELNOS



LOCATION  
BRESCIA  
ITALY

TOTAL SMQ  
1.000

MATERIAL  
SIENA 150  
ZERO GRAVITY  
EDEN

Elnos, a shopping mall next to Ikea Brescia, fits with ItalMesh products to renew the aesthetical impact maintaining its purposes of eco-friendly, healthy lifestyle with positive impact on the climate.

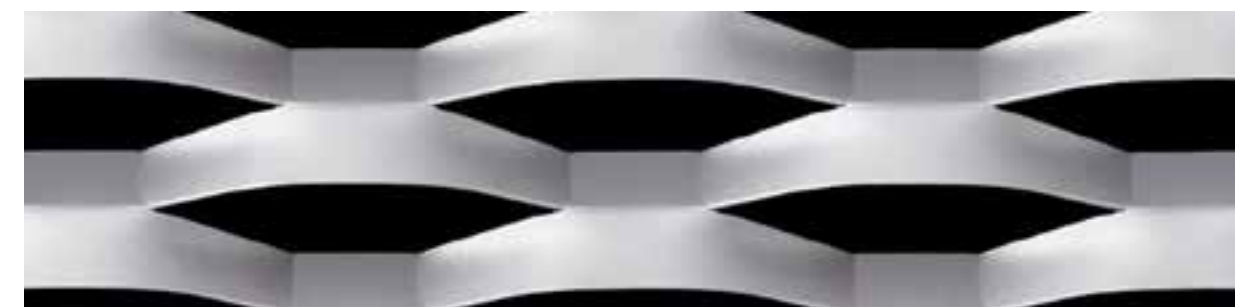
ItalMesh team has covered over 1000sqm of surface, 900 of them with expanded mesh model "Siena 150" painted in mica bronze, a unique color that highlights reflections and goes well with the context.



## TECHNICAL SPECIFICATIONS

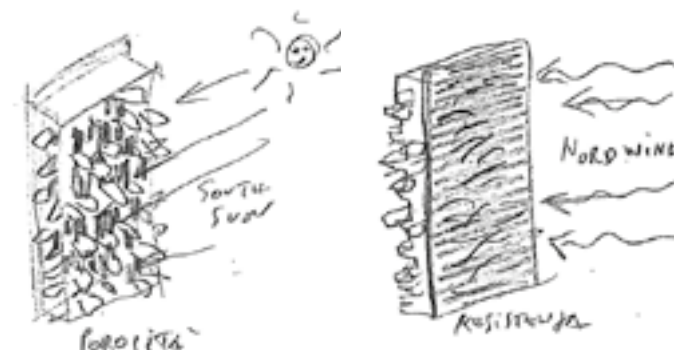


SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		

**ZERO GRAVITY EDEN®**  
theverticalgarden



Expanded aluminum meshes are produced with 100% recyclable materials, that, combined with Zero Gravity Eden panels, guarantee a remarkable fall of CO<sub>2</sub> and make this project an example of responsible sustainable of aspiration.



# IVAR



LOCATION  
BRESCIA  
ITALY

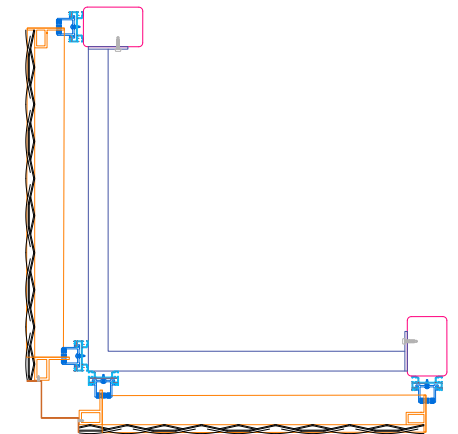
TOTAL SMQ  
700

MATERIAL  
SIENA 150



Ivar, an Italian company specialized in the design and production of energy efficient heating and plumbing systems, has decided to clad its new Academy with “Siena 150” ItalMesh expanded metal mesh.

A large orange cube whose solidity is interrupted by vertical cuts that reveal the concrete cube hiding behind the expanded metal covering.



The choice of color orange Ral 2004, the representative color of the Prevalle company, makes the structure unique and recognizable to all. ItalMesh team contributed to the design, production and installation of the facade cladding, covering over 700 sqm. Some panels were sized and cut in order to create the movements and cuts conceived by the design.

## TECHNICAL SPECIFICATIONS



| SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		



# DUBAI MALL EXTENSION



LOCATION  
DUBAI - UAE

TOTAL SMQ  
7.000

MATERIAL  
BRESCIA 200  
BRESCIA 400  
RIMINI 40

For the expansion of the largest shopping center in the world located near Dubai Down Town and Burj Khalifa, ItalMesh has created the cladding of the facades using expanded metal mesh “Brescia 400” in aluminum, powder coated with RAL color 9007 and for the false ceiling the “RIMINI 40” model in steel, powder coated with black color RAL 9005.



07



# DUBAI MALL EXTENSION

## TECHNICAL SPECIFICATIONS

### | BRESCIA 200



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
200 x 75 (80) - 24 x 1,5	7,10	2,40	DL 1000-1250-1500 x DC 3000	32	52,3%
200 x 75 (80) - 24 x 2	9,40	3,20	DL 2000-2500 x DC 1800	32	52,3%
200 x 75 (80) - 24 x 3	14,10	4,70			52,3%

### | BRESCIA 400



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
R 400 x 140 (140) - 33 x 2	7,20	2,60	DL 1250 x DC 3000	53	63%
R 400 x 140 (140) - 33 x 3	11,00	3,80	DL 2200 x DC 2500	53	63%

### | RIMINI 40



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
R 43 x 13 - 2,5 x 1,5	4,35	1,40	DL 1000-1250-1500	4	62%
R 43 x 13 - 2,5 x 2	5,50	2,10			62%



# YAS MALL PARKING



LOCATION  
ABU DHABI - UAE

TOTAL SMQ  
6.000

MATERIAL  
ROMA 65

ItalMesh products were used to clad the facades of the multi-storey parking lot that accommodates up to 10,000 cars.

Roma 65 model nets, made of AISI 316L steel and finished with a transparent coating, were installed using an innovative design. The ItalMesh team developed and patented a solution that allows panels longer than 10 meters to be twisted, creating the intended three-dimensional effect and giving the cladding a distinctive, sinuous appearance.



Yas Mall is the most innovative and attractive shopping and entertainment destination in the heart of Yas Island in Abu Dhabi.

## TECHNICAL SPECIFICATIONS



ROMA 65



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
R 62 x 23 - 8 x 0,6	3,35	1,15	DL 1000-1250-1500	10	38%
R 62 x 23 - 8 x 1	5,60	1,90		10	38%
R 62 x 23 - 8 x 1,5	8,2	2,80		10	38%



# ANCONA FISH MARKET



LOCATION  
ANCONA  
ITALY

TOTAL SMQ  
364

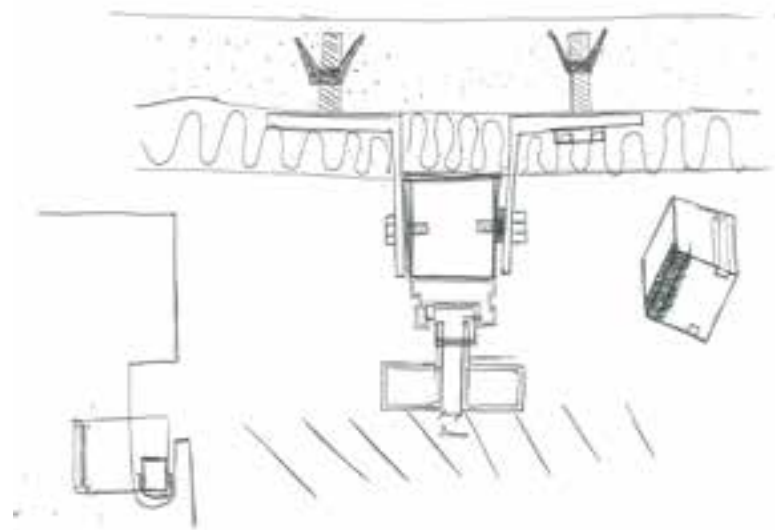
MATERIAL  
ANODISED  
PERFORATED  
PANELS



The first modern fish market has been opened in Ancona in 1948.

For this historical project, Italmesh team designed the exterior cladding of the entire building with perforated sheet metal panels.

The peculiarity of the project is in the color. Each panel was anodized in gold color, a special process carried out in special tanks pass through by electric current in which coloring takes place.



PERFORATED PANELS - CUSTOM





# DSO TECHNO HUB



LOCATION  
DUBAI - UAE

TOTAL SMQ  
2.000

MATERIAL  
BRESCIA 200

The first Smart City project wanted by the strategic management of the Dubai government, Techno Hub includes offices, residences, commercial spaces, sport and leisure facilities.

The buildings were designed to be completely made of glass, but in order to shield some areas, the designers realized solar shading with expanded mesh. Italmesh has created and installed the panels on a structure with uprights painted in gray RAL 9006.



## TECHNICAL SPECIFICATIONS



**BRESCIA 200**



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
200 x 75 (80) - 24 x 1,5	7,10	2,40	DL 1000-1250-1500 x DC 3000	32	52,3%
200 x 75 (80) - 24 x 2	9,40	3,20	DL 2000-2500 x DC 1800	32	52,3%
200 x 75 (80) - 24 x 3	14,10	4,70			52,3%



# CUMBERLAND HOSPITAL



LOCATION  
CARLISLE  
ENGLAND

TOTAL SMQ  
550

MATERIAL  
PERFORATED  
PANELS

The ItalMesh Team collaborated in the construction of the new endoscopy unit at Cumberland Hospital in England. In June 2025, the new facility opened its doors to the public, built according to modern and future-proof methods: much more space than available, ensuring the expansion of the unit when necessary.

ItalMesh created part of the façade with perforated aluminum panels that ensure proper ventilation between the panel and the wall below.

The design chosen for the perforation of the panels is linked to nature as a symbol of good health and mental and physical well-being.



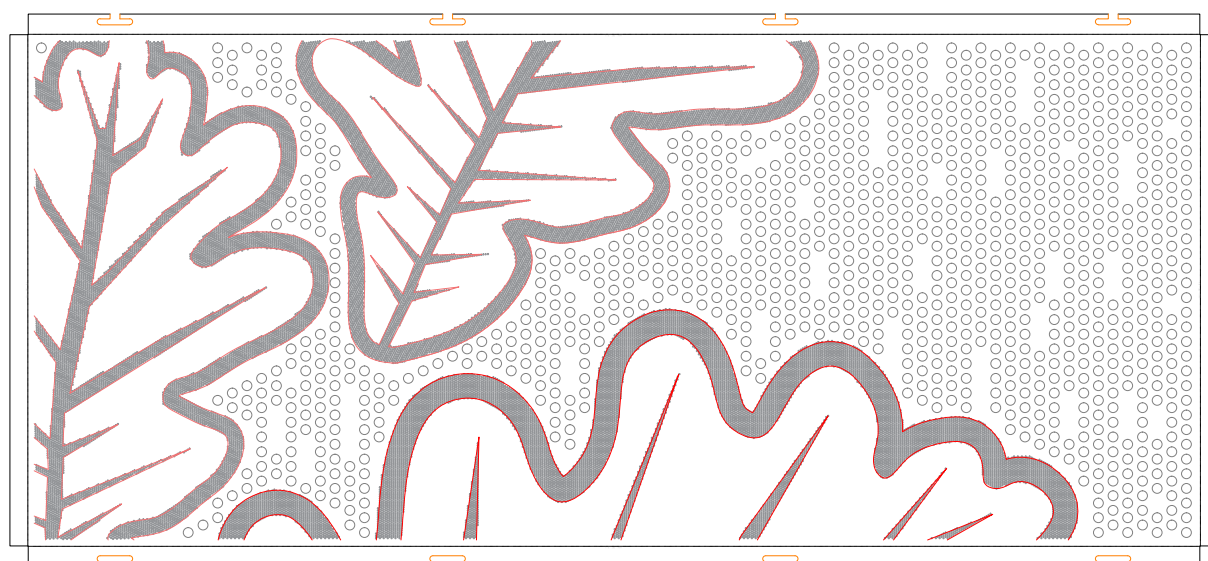


# CUMBERLAND HOSPITAL

07



PERFORATED PANELS - CUSTOM





# MARINA GATE



LOCATION  
DUBAI - UAE

TOTAL SMQ  
2.000

MATERIAL  
SIENA 400

ItalMesh expanded metal mesh panels were used for the cladding of the facade of the multi-storey car park of the Marina Gate buildings, which overlooks the Dubai Marina.

“Siena 400” model mesh in aluminum, powder coated, have been used in a way to create a game of contrasts while guaranteeing transparency and shading. It’s a very unique and innovative facade.



## TECHNICAL SPECIFICATIONS



| SIENA 400



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
300 x 100 (100) - 28 x 1,5		2,30	DL 1000-1250-1500 x DC 3000	42	54,5%
300 x 100 (100) - 28 x 22		3,00	DL 2000-2500 x DC 2500	42	54,5%
300 x 100 (100) - 28 x 3		4,60		42	54,5%



# LARUSMIANI SHOWROOM



LOCATION  
MILANO  
ITALY

TOTAL SMQ  
90

MATERIAL  
SIENA 70

90 square meters of 2 mm expanded mesh panels in aluminum model “Siena 70”, custom made to follow the pre-existing structure where they have been fixed.

The panels do not completely cover the area, they are intentionally separated from each other to confer volume and depth to the environment. Semi-gloss blackish blue gives them an unmistakable elegance.



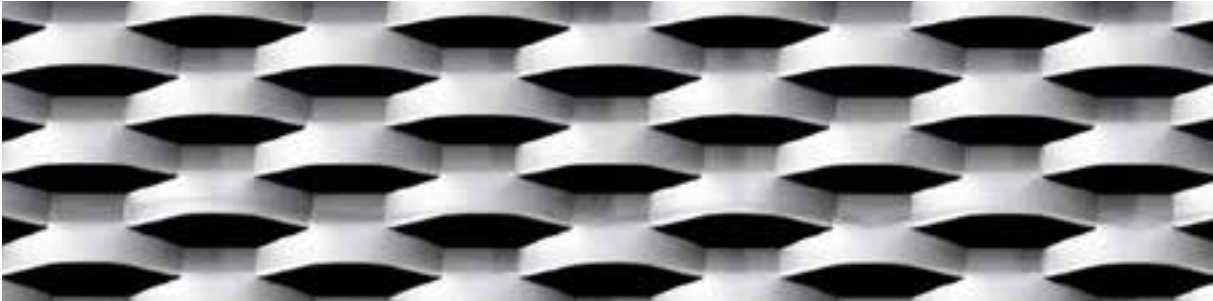
Acoustic functionality, comfort, elegance, lightness of panels, ease to remove and an always excellent aesthetic result.

Larusmiani rethinks its presence within the fashion district with a two-level store that hosts the Automotive gallery and the first Luxury Experience Lab in the world. The luxury brand chose ItalMesh for the creation of the new false ceiling with a style that combines heritage and innovation, in the name of absolute quality in full synergy with the brand’s style and values.

## TECHNICAL SPECIFICATIONS



SIENA 70



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
70 x 26 (26) - 10 x 1,5	9,00	3,10	DL 1000-1250-1500 x DC 3000	11	29%
70 x 26 (26) - 10 x 2	12,00	4,20	DL 2000-2500 x DC 1800	11	29%



# GREEN TERRACE



LOCATION  
LUGANO  
SWITZERLAND

TOTAL SMQ  
110

MATERIAL  
ZERO GRAVITY  
EDEN



A Swiss company specializing in providing services to improve energy efficiency, commissioned ItalMesh Team to renovate the terrace of their HQ, making it more comfortable and welcoming for their employees.

The client's goal was to design with respect and innovation; ItalMesh chose to support their identity by covering the entire wall facing the terrace with 111 Zero Gravity Eden panels.

ZERO GRAVITY EDEN





# BONSIGNORI INSTITUTE



LOCATION  
BRESCIA  
ITALY

TOTAL SMQ  
50

MATERIAL  
SIENA 150  
ZERO GRAVITY  
EDEN

Bonsignori institute in Remedello is dressed in ItalMesh and Zero Gravity Eden, making the study of plants more accessible and immediate for students, enhancing sustainable architecture and raising awareness of greater responsibility and attention to the world around us in younger minds.

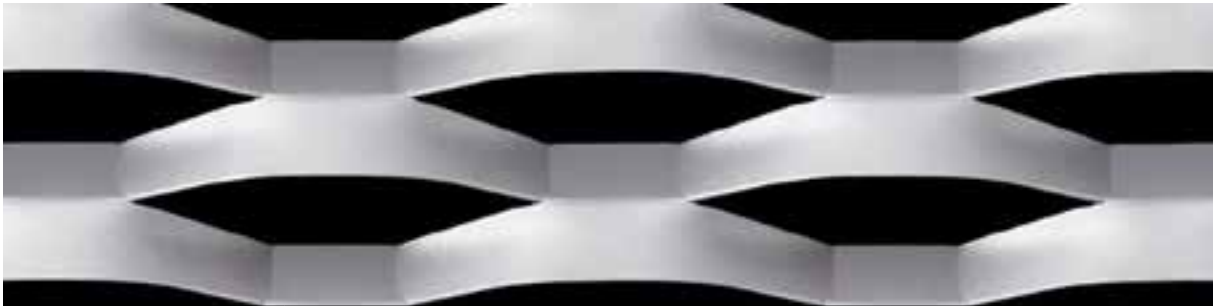
50sqm of “Siena 150” model stretched mesh painted beige with iridescent effects were used, with a 28sqm vertical garden highlighting the entrance to the facility.



## TECHNICAL SPECIFICATIONS



### SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		



# COMMERCIAL SITE



LOCATION  
VALENZA  
ITALY

TOTAL SMQ  
650

MATERIAL  
ONDULATE  
PANELS

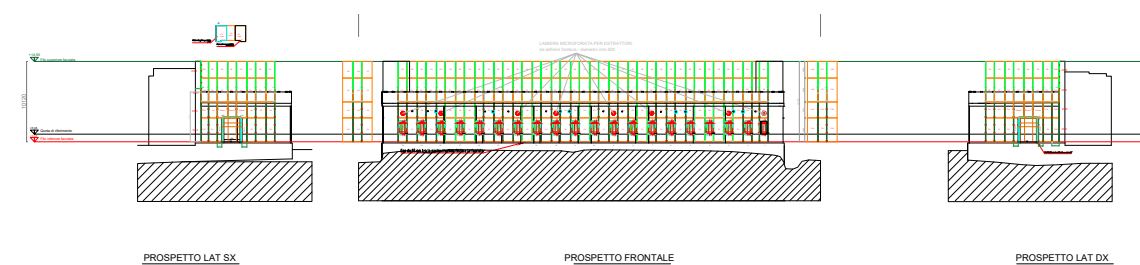


The ItalMesh Team is currently completing the construction of a new production facility located on a large, previously uncultivated area.

Over 650 sqm have been covered with corrugated sheet metal panels powder-coated in a Golden Beach color. This color choice was carefully selected to give a touch of elegance and modernity to the entire industrial complex.



## WAVY METAL SHEET





# PREALPINO METRO PARK



LOCATION  
BRESCIA  
ITALY

TOTAL SMQ  
3.050

MATERIAL  
SIENA 150  
BRESCIA 75  
ZERO GRAVITY  
EDEN

In 2023, work began on the construction of the new multi-storey car park for the 'Prealpino' metro station in Brescia.



The ItalMesh team was chosen for the realisation of the external facade cladding of the six-level car park.

The project envisages the use of 3 different types of mesh; the particularity is in the part of the façade made of expanded metal sheet flanges folded into a triangle, realized according to the client's request. In addition, part of the facade will be covered with 114 panels of Zero Gravity Eden.

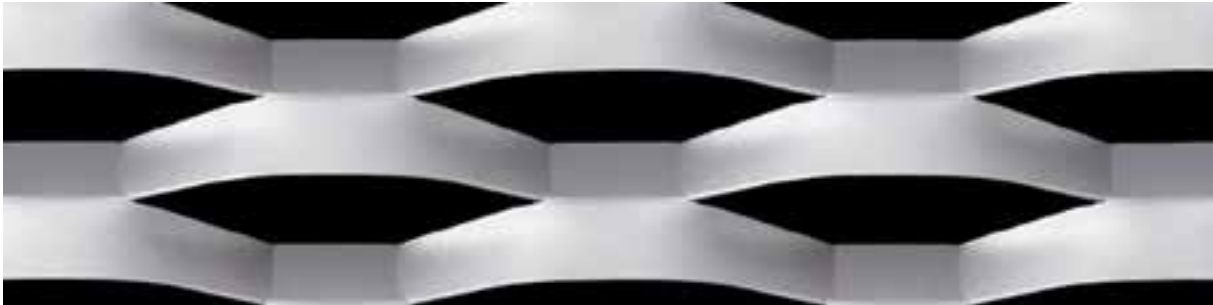




# PREALPINO METRO PARK

## TECHNICAL SPECIFICATIONS

### | SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		

### | TORINO 40



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Al Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
T 40 x 6,5 x 1,5 - d 20	6,20		Fe DL 1000-1250	10	52%
T 40 x 6,5 x 2 - d 20	8,30	2,55	Al DL 1000-1250-1500	10	52%
T 40 x 6,5 x 3 - d 20		3,80		10	52%







# GEMS WORLD ACADEMY



LOCATION  
DUBAI - UAE

TOTAL SMQ  
1.875

MATERIAL  
SIENA 100



Inaugurated in 2008, the GEMS World Academy in Dubai is home for more than 1700 students from 90 different countries.

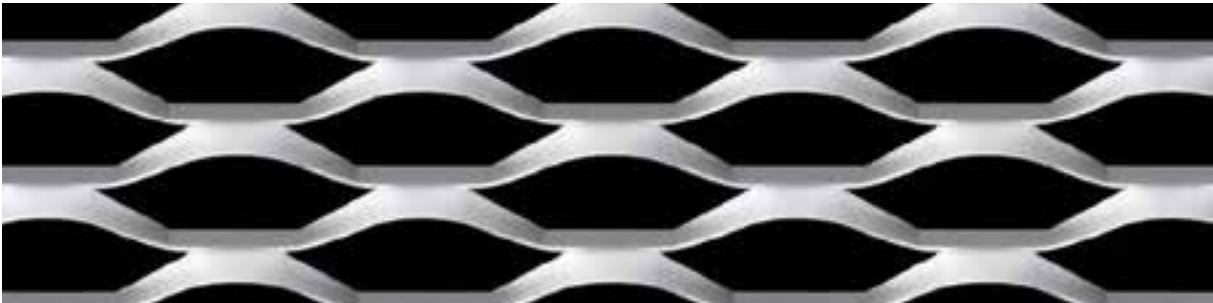
For this international school, ItalMesh created one of the walls of the main entrance. The particularity of the project is in the engineering; substructures were created to follow a three-dimensional movement that gives movement to the entire facade. Each mesh was painted a darker color than the structures where it was welded, thus creating a play of contrasts.



## TECHNICAL SPECIFICATIONS



SIENA 100



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
100 x 40 (34) - 10 x 1,5	6,90	2,30	DL 1000-1250-1500 x DC 3000	15	51,5%
100 x 40 (34) - 10 x 2	9,30	3,10	DL 2000-2500 x DC 2500	15	51,5%





# BASARA SUSHI RESTAURANT



LOCATION  
LUGANO  
SWITZERLAND

TOTAL SMQ  
115

MATERIAL  
BRESCIA 75R



Team ItalMesh realized the cladding of all the external walls of a Swiss restaurant of Japanese cuisine.

For a total of 115sqm, panels of “Brescia 75R”, a custom mesh characterized by a narrower and fuller opening, were used. Each panel was powder-coated in transparent bronze, a very special color that captures the sunlight by projecting it at each angle in a different way.

## TECHNICAL SPECIFICATIONS



| BRESCIA 75R



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
R76 x 31 (36,5) - 15,5 x 3		6,90	DL 1000-1250-1500 x DC 3000	13,3%	





# COMMERCIAL SITE



LOCATION  
SORENGO  
SWITZERLAND

TOTAL SMQ  
1.350

MATERIAL  
SIENA 150



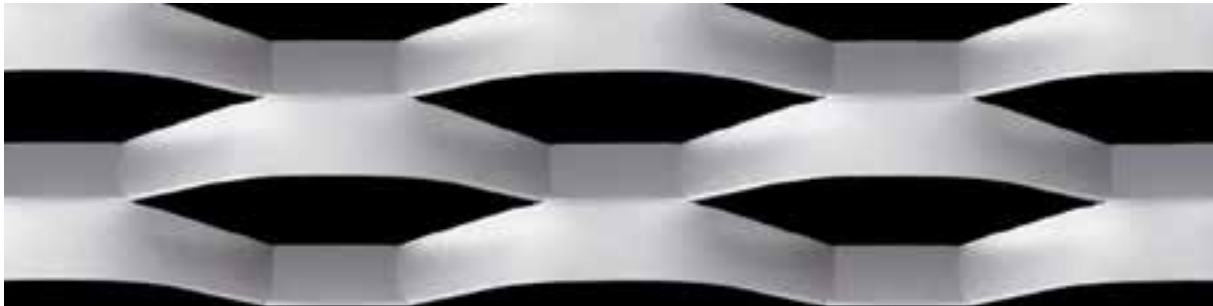
For a commercial and administrative project located in Sorengo, Team ItalMesh realized in less than a year the external cladding of all the facades of the building.

The 1,350 sqm surface was entirely covered with panels model “Siena 150” in color RAL 8017 matt, a perfect shade of brown in harmony with the outdoor environment.

## TECHNICAL SPECIFICATIONS



SIENA 150



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
150 x 56 (56) - 21,5 x 1,5	9,30	3,10	DL 1000-1250-1500 x DC 3000	21	29,8%
1520 x 56 (56) - 21,5 x 2	12,40	4,20	DL 2000-2500 x DC 1800		



# MULINO MAROGGIA



LOCATION  
MAROGGIA  
SWITZERLAND

TOTAL SMQ  
900

MATERIAL  
COMO 110



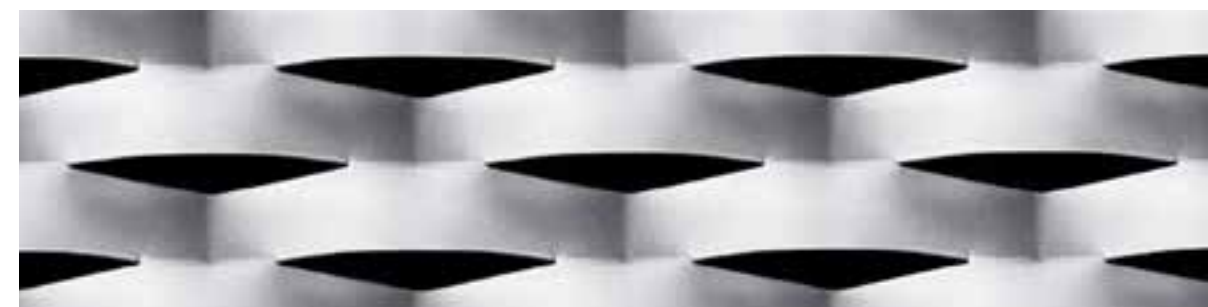
The Mulino Maroggia is the largest and most modern mill in Ticino, grinding more than 50 tons of wheat every day.

The ItalMesh Team covered the front of the mill with approximately 900 sqm of “Como 110” expanded metal panels. As the mill is located near a railway area, each panel was painted with special powders to protect the mesh from the surrounding environment.

## TECHNICAL SPECIFICATIONS



| COMO 110



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
110 x 40 (52) - 24 x 1,5	10,60	3,60	DL 1000-1250-1500 x DC 3000	18	16%
110 x 40 (52) - 24 x 2	14,10	4,70	DL 2000-2500 x DC 1600	18	16%
110 x 40 (52) - 24 x 3	21,10	7,00		18	16%





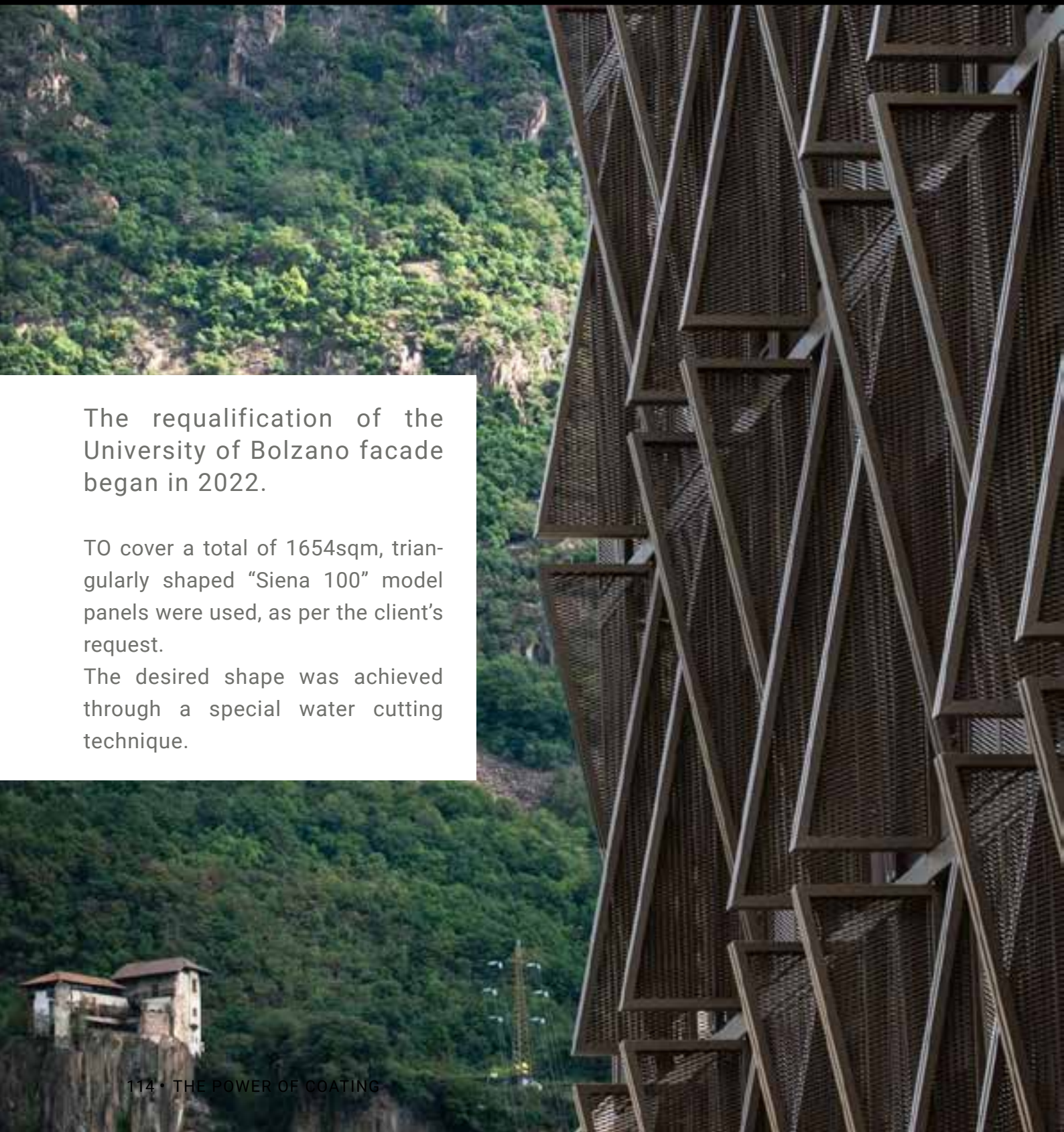
# BOLZANO UNIVERSITY



LOCATION  
BOLZANO  
ITALY

TOTAL SMQ  
1.654

MATERIAL  
SIENA 100



The requalification of the University of Bolzano facade began in 2022.

TO cover a total of 1654sqm, triangularly shaped “Siena 100” model panels were used, as per the client’s request.

The desired shape was achieved through a special water cutting technique.



The uniqueness of the project is not only in the shape, but also in the color. In fact, all the panels were powder coated in Black Gold that perfectly reflect the sunlight.

## TECHNICAL SPECIFICATIONS



| SIENA 100



MESH DL x DC - av x sp (mm)	Fe Kg/mq	Ai Kg/mq	Standard dimension (mm)	E (mm)	Frontal open
100 x 40 (34) - 10 x 1,5	6,90	2,30	DL 1000-1250-1500 x DC 3000	15	51,5%
100 x 40 (34) - 10 x 2	9,30	3,10	DL 2000-2500 x DC 2500	15	51,5%



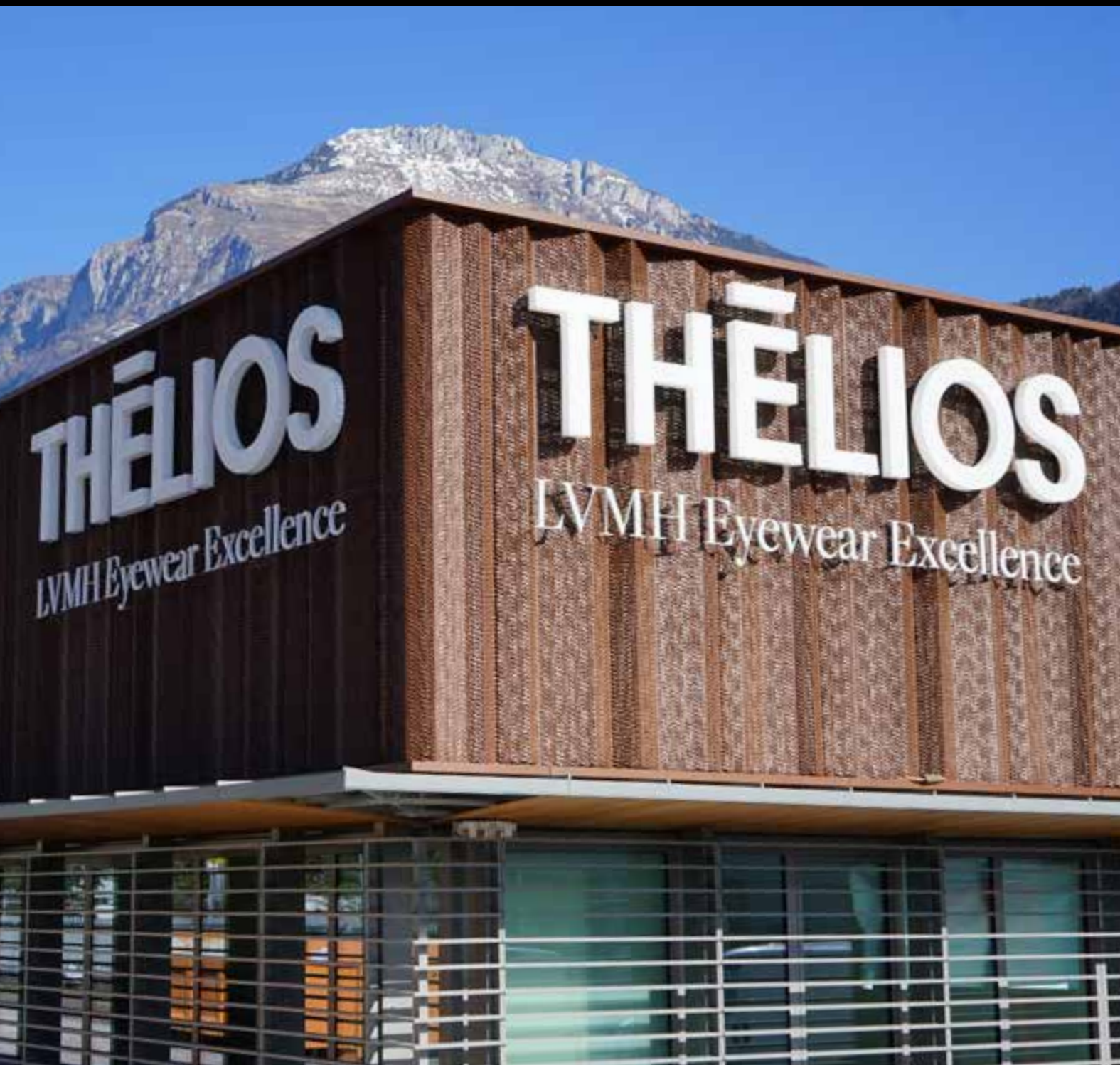
# THÉLIOS



LOCATION  
LONGARONE  
ITALY

TOTAL SMQ  
1.874

MATERIAL  
SPARKLING  
MESH



Designed and completed in less than a year, ItalMesh team was selected by Thélios, a worldwide manufacturer and distributor of luxury eyewear frames, for the requalification of their factory based in Longarone, Italy.

Our Team realized 625 panels of mesh model “Brescia 65” with a special finish that makes the mesh stretched. In addition, each panel was folded three-dimensionally to give the entire project even more distinctiveness.

SPARKLING MESH





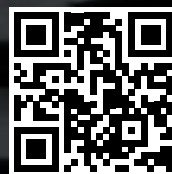
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