



Building the **Future**

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Editorial project by







Clesi

COMPANY

PROFILE

ABOUT US

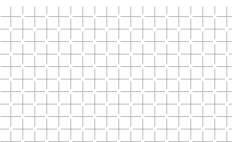




LEADER IN PREFAB- RICATED BUILDINGS AND ENERGY EFFICIENCY

Clesi® is a leader in the reinforced concrete prefabricated sector for industrial, commercial, civil and logistical construction, thanks to an entrepreneurial history that began in 1959. With a production area of **50,000 square metres**, **20,000 of which are covered**, and **advanced technologies**, it ranks among the most dynamic and competitive companies in the sector in Italy.

The know-how, developed over the years, has enabled the construction of more than **8.5 million sqm of prefabricated structures** and the launch of state-of-the-art construction systems on the market in terms of application ductility, safety and aesthetics. **Clesi®** offers solutions that combine aesthetic elegance, functionality, guaranteed costs and environmental compliance. Many of Clesi's solutions are covered by patents, which places the company among the most dynamic and determined in terms of **investment in research and development**.





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more details »



PROGETTO
CENTRO AIAS
Cicciano (NA)

Client: Holding Immobiliare | **Location:** Cicciano NA |
Constructive System: Stratos Multi-storey | **Surface:** 3300 sqm |
Sector: Health care

OUR STORY



TAI- LOR-MADE PROJECT CONSUL- TANCY

During his career, Carlo Izzo has created prefabricated works for renowned Italian industrial businesses, such as Pastificio Rummo (Bn), MD in Gricignano d'Aversa (Ce), Oleifici Mataluni (Olio Dante S.p.a.) - Montesarchio (Bn), Agrisemi Minicozzi (Bn), Lidl Supermarkets - Artena (Fr), the prefabricated structures of Tessival S.p.A. in Airola (Bn), the Fiat plants in Melfi (Pz) and Pomigliano d'Arco (Na) and Benfil Spa in Airola (BN) just to name a few, building **approximately 10,000,000 square metres of structures** in central and southern Italy.

It is precisely in the footsteps of their father **Carlo** that the **three brothers Ettore, Sergio and Luigi**, founders of **Clesi®**, thanks to their ability to **innovate and develop new technologies**, sign some of the most important achievements in the sector in recent years.

Know-how and **constant innovation** are the hallmarks of **Clesi Prefabbricati®**, a company made up of people who have built up a **wealth of experience over the years** thanks to the many successes they have achieved by transforming ideas into **innovative projects and patents**.





Constant collaboration with the University and continuous research and experimentation of innovative solutions make **Clesi®** the ideal partner to realise solutions for every need, from small structures to large and complex ones. Moreover, thanks to its exclusive patents, **Clesi®** ranks among the companies that have made the greatest contribution to industrialised construction.

Currently, **Clesi®** is testing, among other things, the production of prefabricated elements with the use of 3D printers in collaboration with **Unipegaso** and research projects with **the Federico II University of Naples**, always pushing forward, but keeping the customer at the centre of the development and expansion project in the prefabricated market by expanding the range of solutions offered.

HIGH TECHNO- LOGICAL PERFOR- MANCE

WHY CHÓOOSE US





SOLUTIONS FOR EVERY NEED

THE VISION__In the production phase, **Clesi**[®] employs specialised personnel working with the latest technology in automated production cycles. It also has

laboratories that guarantee the quality of the materials and the performance of each artefact.

Clesi[®] 's overriding commitment has always been to ensure on-time and on-budget delivery with total operational safety. This is evidenced by the numerous certifications obtained, but above all by the trust and credibility recognised by our customers.

THE MISSION__**Clesi**[®] Prefabbricati's mission is customer satisfaction, to whom it offers specific design advice, careful product selection and effective site management. **Clesi**[®] valorises human resources and promotes the development of highly qualified technical and management software that favours the optimisation of production processes, the evolution of mechanical and electronic systems for the production, testing and accurate assembly of products.

WHERE WE ARE GOING__We are oriented towards building structures with low environmental impact and in full harmony with landscape regulations.

This is why we carry out a series of activities aimed at fully satisfying our customers without harming the environment.

We are proud to offer innovative products and are committed to protecting our products throughout their entire life cycle on a daily basis.



TECHNOLOGY AT THE SERVICE OF ENERGY EFFICIENCY



Our work is the result of careful and thoughtful attention to every detail: from management, to design, to production processes, to workplaces, to ecological communities, to products. Our ecological management policy supports and encourages the preservation of greener and healthier environments. In fact, our main objective is to ensure that all our activities do not affect our surroundings in the slightest.

Clesi® 's commitment in the social sphere encompasses many areas of daily life: community welfare, culture and the arts, voluntary work, university training and education, environmental and worker protection.

This active contribution is aimed at improving society, which is a constant among the values of **Clesi®** Prefabbricati.

QUALITY CERTIFICATIONS

Organisation with **UNI EN ISO 9001:2015** certified management system



OUR PRODUCTS



» VERSATILE HIGH-PERFORMANCE STRUCTURES



Clesi® builds versatile, environmentally friendly structures with all the performance criteria currently required by the construction industry, such as seismic, energy saving, acoustic insulation, etc., which are essential for building modern, safe and efficient structures.



Scan the QR CODE with your smartphone to view our online portfolio »



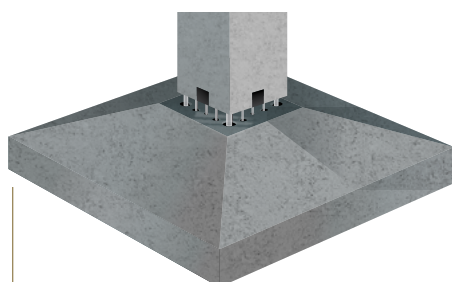
» THE PREFABRICATED FOUNDATION

THEMÈLIO

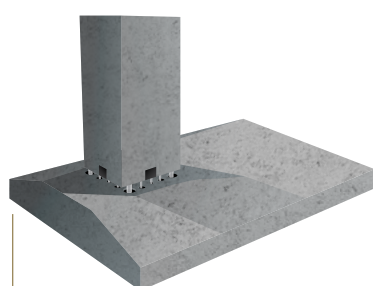
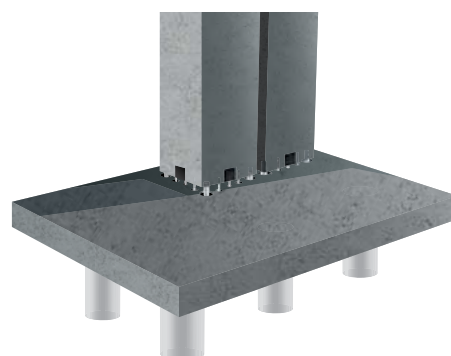
THEMÈLIO EVO

Themèlio is suitable for any type of elevation structure including composite materials: prefabricated reinforced concrete steel structures, wood structures and reinforced concrete works.

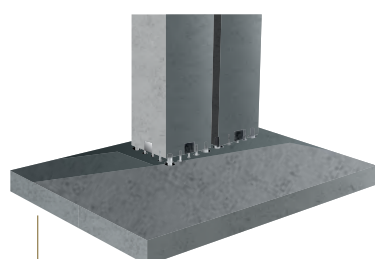
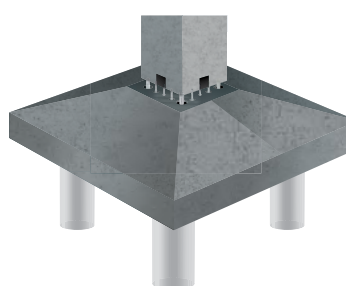
Themèlio EVO is used when the terrain does not have sufficient bearing capacity to support the load of the building to be constructed or, in any case, when the expected subsidence with the direct foundation is excessive.



• The Prefabricated Foundation



• Asymmetric plinth



• Plinth with structural joint

The prefabricated **Themèlio** and **Themèlio EVO** foundations are produced in our factories according to a patented system that makes our product unique

« THE BENEFITS

- ease of calculation
- ease of installation
- no bracing or shoring
- immediate use of the system
- plinth-pillar or pillar-plinth
- anticipated and certain costs at the design stage
- quality assurance

» THE CONNECTION SYSTEM

SYNDE

It is the patented mechanical plinth-pillar connection.

Synde is the high-capacity, seismic-resistant junction system designed by **Clesi®** and represents the practical answer to the ductility and strength criteria that international seismic standards have long defined.



« THE BENEFITS

- connection tightening with commissioning of the earthquake-resistant connection
- ease of installation
- ease of calculation
- absence of bracing and/or shoring
- immediate use of the plinth-pillar or column-pillar system

» THE THE CONSTRUCTIVE SYSTEM

DELTA

A TECHNICAL SOLUTION INNOVATIVE AND EFFECTIVE.

Delta is a precast reinforced concrete system ideal for industrial, commercial, agricultural or exhibition warehouses. Delta has an internal usable height that varies according to the needs of the company, in fact, spans of up to 45 m can be achieved without the encumbrance

of pillars. This makes Delta the prefabricated concrete warehouse ideal for activities that require large movement spaces inside. The 9% double-slope roof panel ensures the perfect drainage of rainwater.

ADVANTAGES

Delta's structure has a 15-year warranty. All other parts of the Delta prefabricated warehouse, however, are guaranteed in accordance with legal regulations.

Transport and assembly of Delta prefabricated warehouses are included in the final cost. Transport is ensured with our own vehicles, in order to guarantee safety and short delivery times.



» Detail of the support of the DELTA element on truss.



» Capriata transport for DELTA System.



» Inside view of DELTA system cover



» External view of DELTA system cover



» Detail of Beam-Eave DELTA System



» Detail of external roof ridge DELTA system



The Delta prefabricated building is already supplied with a fire resistance rating of R=90 ideal for all normal commercial and production activities.

For companies that need superior fire resistance, **Clesi®** provides Delta Prefabbricati with resistance up to R=120.

Delta's precast concrete halls have a seismic resistance ranging from Zone 1 to Zone 4 (S4 to S12).

In addition, the outer infill wall is made of prefabricated panels which, at the customer's request, can be solid, lightened, binervated or thermally cut. Gutter joints are waterproofed with

membrane. Such a solution allows for excellent rainwater runoff and at the same time provides good insulation for the structure.

TECHNIQUE

The Delta system has a double-slope beam on which the Delta tubular element rests. It is made of pre-stressed reinforced concrete with spans from 12 m up to 45 m, and includes a variable section ranging from 45 cm up to 65 cm depending on the loads to be covered. The Delta system element is laid on the double-slope beam. The useful internal height of the concrete precast with the Delta system varies according to the

needs of the company. Spans of up to 45 metres can be achieved without the encumbrance of pillars.

The Delta System is complemented by a specific roofing membrane with a Sandwich Panel solution fixed by means of special fasteners. At the customer's request, Clesi Prefabbricati can also supply the roof covering with a thermal transmittance within the limits allowed by Italian L.D. N° 311.



» Double-slope beam transport DELTA system

» THE THE CONSTRUCTIVE SYSTEM



MAXIMUM ADAPTABILITY OF USE

The president roof tile has an 'omega' cross-section, in which the vertical walls emerge at the extrados with respect to the flat slab to form a huge natural rainwater collection and disposal channel. The thickening of the section at the lower ends allows for excellent distribution of the prestressing reinforcements, effective natural support for any ceiling elements as well as a concealed track for small-sized cable ducts or fixings for any casings to be positioned on the roof tile intrados. The finish is a semi-washable white paint based on an anionic resin in water dispersion. The roof tile is insulated on the extrados by placing an insulating panel on top of the slab, while the waterproofing is implemented by means of aluzinc sheets stapled

by means of an automatic stapling machine that guarantees perfect closure of the overlaps.

VERSATILITY AND THERMAL COMFORT

The considerable and aesthetic width of the flat area offers great possibilities from the point of view of practicability and installation of plant and machinery. Insulated ceiling slabs are placed between the roof tiles and are overlapped with aluzinc roofing sheets. The cavity that is created constitutes a 'cold roof' effect ventilation chamber with consequent beneficial effects on internal thermal comfort.



» Implementation and installation of the PRESIDENT roof tile.

» MORE SPACE WITH THE MULTI-STOREY STRUCTURE

STRATOS

A SOLUTION FOR GROWTH

The Clesi® Stratos System uses three floor models: **Kypse, Sofos and Diplo.**

Stratos is chosen by companies and designers who want to build rod-shaped residential, commercial and social buildings. This system, in fact, allows the construction of buildings with monolithic pillars up to **5 storeys**

through the use of different types of slabs, depending on the required spans and overloads. This gives the Stratos system great flexibility of use and purpose.

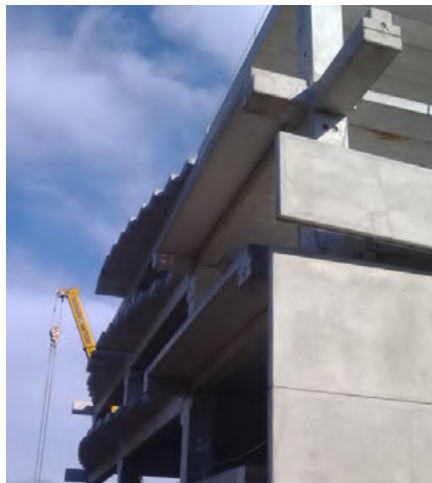
TECHNIQUE

The Clesi® Stratos System requires the construction of the node using a suitably equipped prefabricated VRC pillar, a prefabricated prestressed beam with an adequate cross-section and a PRC slab to be integrated with an integrative casting on site.

The **Stratos System** is completed by a specific roof covering whose waterproofing is achieved by laying 'Fesco Board V' insulating panels on hot-oxidised bitumen previously laid on the extrados of the elements. The waterproofing is completed with a concrete casting for sealing. The roof covering and walls at the extrados are completed with a 4 mm thick waterproofing membrane torched in place. This makes it possible to achieve complete waterproofing finished with aluminium paint and a sheet metal cap. **The Stratos structure by Clesi®** has a 15-year guarantee, while the other parts of the system are guaranteed in compliance with the law.



» Multi-Storey Pillars with Shelves and Overhangs.



» STRATOS multi-storey structure with overhangs and panels.



» Particular overhang.



» STRATOS Multi-Storey Structure with Overhangs and Panels

Transport and assembly of prefabricated warehouses with the Stratos system are included in the final cost. In order to guarantee safety and short delivery times, transport is ensured with our own vehicles.

The Stratos system has a fire resistance rating of R=90, which is ideal for all normal commercial and production activities. However, Clesi provides superior fire resistance, up to R=120, for companies requiring Seismic resistance zone 1 to 4.

In fact, prefabricated concrete warehouses built with the Stratos system can be supplied with seismic resistance from Zone 1 to Zone 4

(S4 to S12). Depending on the required lights and overloads, it is possible:

Stratos system with Kypse slab

(Extruded prestressed element, with a streamlined section, varying in height from 20 cm to 43 cm, up to 22.00 m long, placed side by side so as to form a perfectly flat intrados)

Stratos System with Roof tile

(Pre-stressed element with adherent threads, with a streamlined section, varying in height from 30 cm to 100 cm, up to 30m long, placed side by side to form a flat extrados up to a maximum of 5.00 m with intervals of 2.50 m).

ADVANTAGES

Clesi's Stratos system is the optimal choice for companies and designers who want to realise residential, commercial and social buildings.

This solution is ideal for the construction of load-bearing structures of the multi-frame type, and is excellent for works in areas with a high seismic coefficient. The Stratos System requires the construction of the node using a suitably equipped prefabricated VRC pillar, a prefabricated prestressed beam with an adequate cross-section and an integrative casting on site. The node can be configured at the designer's discretion



» Overall view of completed structure.

» Clesi's FLOOR ELEMENTS

KYPSE

Kypse: the hollow core slab with a flat intrados and contained sections. A solid, safe and cost-secure solution.

Kypse is the prefabricated slab with a flat intrados in prestressed reinforced concrete capable of meeting the requirements of high overloads with limited thicknesses. The surface on the

intrados is non-porous and perfectly smooth, which makes it immediately ready for painting and at the same time suitable for constructions where aesthetics are also important.



Kypse can withstand loads of up to 5200 kg/sqm. Its prestressed concrete composition ensures designers and contractors excellent in-plane stress transmission and low bending deformability values.

Furthermore, the composition of the materials and the choice of raw materials ensure acid resistance and make it possible to use them even in very aggressive environments.

TECHNIQUE

The Kypse hollow core slab is produced in 10 different cross-sectional models ranging from 20 cm to 44 cm, depending on whether it is used as a continuous or simple support. Kypse can withstand loads of up to 5200 kg/sqm. It is made of prestressed reinforced concrete, which guarantees excellent in-plane stress transmission and low bending deformability values.

Kypse slabs are produced by extrusion with vibrated concrete of type C45/55 with durability class XC3, in compliance with the new Technical Standards. A mixture of water and cement is used which ensures high compressive and tensile strength, allowing Kypse floors to be used even with large spans and high overloads.

Prestressing is achieved through the use of stabilised harmonic steel strands.

Kypse floors have millings at the extrados at the supports and are reinforced with prestressed harmonic steel. This allows for easy connection to load-bearing structures, without the need for additional work. In summary, therefore, the technical characteristics of Kypse prefabricated floors are:

- Concrete $R_{ck} = 55$ N/sqmm
- Stabilised harmonic steel strands $f_{ptk} = 1860$ N/sqmm, $f_{p(1)k} = 1670$ N/sqmm
- Supplementary casting concrete $R_{ck} = 30/35$ N/m

ADVANTAGES

The Kypse hollow core slab allows for quick and no additional cost installation, during which a walkable work surface is set up that does not cause any risks for the operators.

Kypse does not require carpentry or shoring during assembly, it guarantees self-support at each stage of construction, from handling to installation. This makes it possible to achieve large spans with high loads and limited thicknesses. In this way, our customers are assured rapid implementation and lower costs in temporary/provisional works.



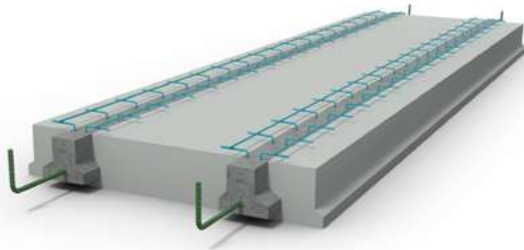


THE RC TECHNICAL **SOLUTION INNOVATIVE** AND **EFFECTIVE** PRESTRESSING

sofos: The **lightest prefabricated** floor on the **market: 84 Kg/sqm**

Keyword: lightness

Sofos is the first prefabricated prestressed concrete slab with a flat intrados. The structure is lightened with self-extinguishing expanded polystyrene blocks and provided with slow reinforcement at the supports. Its use is versatile and lends itself to the most diverse uses in residential, commercial and tertiary construction.

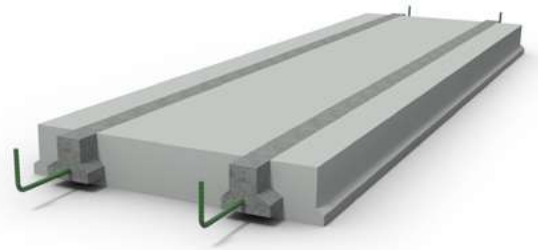


SofoS CC

Anti-seismic and insulating

SofoS is earthquake-proof, highly thermally and acoustically insulating. Thanks to the prestressed beams, **SofoS** slabs also have considerable tensile strength. With the presence of the insulating material also in the lower part of the prestressed beams, **SofoS** slabs eliminate thermal bridges and prevent condensation.

SofoS adapts in thicknesses and modules to the most diverse seismic and structural requirements and customises each individual project to its architectural specifications.



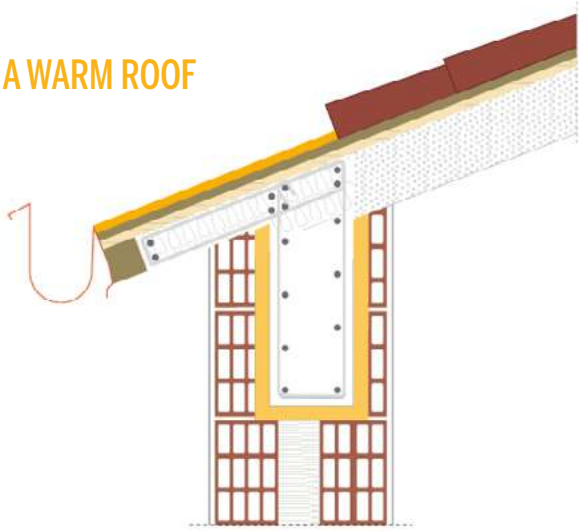
SofoS SC

Why choose SofoS

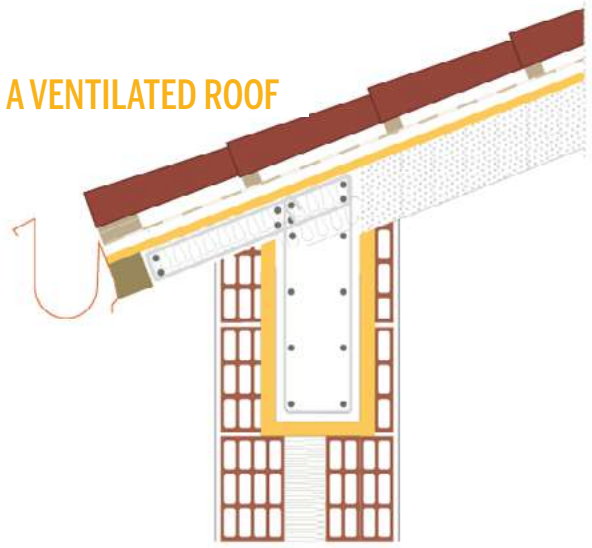
- **Because it is the lightest slab on the market;**
- **It significantly increases** the thermal insulation characteristics;
- **It is ideal for thermal insulation** of buildings due to its insensitivity to moisture, compact cells, high compressive strength and remarkable dimensional stability;
- **It is quick and easy to apply**, and keeps floors, walls and roofs warm and dry, protecting them from moisture either by capillarity or condensation;
- **It can be used in extreme climatic conditions** (very high/very low temperatures). Resistance to weathering is ensured by the high resistance to the transition from the frost phase to the thaw phase. Even situations of high humidity are no problem for **SofoS**;
- **SofoS with Graphite has excellent fire behaviour;**
- It has 100% material recyclability;
- **Provides optimal sound insulation;**
- **Meets the requirements of UNI 11532-1: 2018** 'Indoor acoustic characteristics of confined spaces - Design methods and assessment techniques - Part 1: General requirements';
- **Has certified fire resistance;**
- It is architecturally versatile.

» With **SofoS** you can also realise

A WARM ROOF



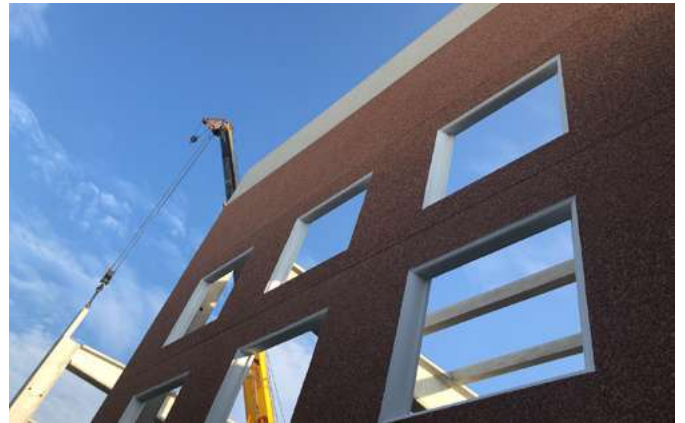
A VENTILATED ROOF



RELIABILITY OVER TIME

The numerous studies and laboratory tests that followed during the study and design phases of the new product and the numerous application experiences, due to their vastness and static commitment, have highlighted that in a deck

made with **SofoS** with prestressed RC beams, polystyrene and a slab cast in situ, despite the diversity of the elements constituting the floor, monolithic structural solutions with great reliability are obtained.





» See all our projects on Clesi.it

Features

» SAFE HIGH PERFORMANCE

The SofoS slab stems from the performance approach also reiterated in the revision of the Technical Regulations on Construction (NTC18), the objectives of the project are clarified in terms of the 'performance' to be required from the structure (P.B.D. Performance-Based Design) which, in turn, are calibrated according to the probability of the seismic event being more or less frequent and more or less destructive (M.L.P.D. Multi-Level Performance Design).

» EARTHQUAKE-PROOF AND INSULATING

SofoS is anti-seismic, highly thermally and acoustically insulating. Thanks to the prestressed beams, SofoS slabs also have considerable tensile strength. With the presence of the insulating material also in the lower part of the prestressed beams, SofoS slabs eliminate thermal bridges and prevent condensation. SofoS adapts in thicknesses and modules to the most diverse seismic and structural requirements and customises each individual project to its architectural specifications.

» LIGHTWEIGHT

SofoS is the first prefabricated prestressed reinforced concrete floor slab with on-site completion of the screed and roofing with or without on-site screed. Making it even lighter. Unparalleled. The SofoS floor slab consists of prestressed concrete beams with a fixed centre distance, "embedded" in polystyrene insulation par excellence, which can have the most variable performance characteristics (EPS type in various densities and with graphite, EPS-T and XPS, the latter also self-extinguishing) in relation to the most diverse construction requirements.

» ADAPTABLE

The modularity of SofoS prefabricated slabs allows great savings in construction time, transport, handling and installation of the entire slab. The variable height of the slabs makes it possible to choose the most suitable thicknesses according to length as well as thermal transmittance and sound insulation.



THE PREFABRICATED SLAB VERSATILE AND LIGHTWEIGHT

Diplo 'double T' floor slab: wide flexibility of use and excellent performance

Versatility and lightness

The 'double T' DIPLO floor is the precast prestressed concrete floor produced by Clesi Precast in 7 models with sections from 30 to 100 cm.

Due to the special production process, the double-T DIPLO has an extremely light weight but achieves excellent static performance.

This characteristic gives DIPLO a **broad flexibility of use** that makes it particularly suitable for modern and even technically complex construction solutions for commercial and industrial buildings.

In particular, **the ω -element DIPLO is the ideal solution** for large-scale constructions, especially **STRATOS multi-storey buildings**.

7 models, 100% adaptability

The TT series roof tiles are manufactured in **7 models with different cross-sections** from H=30cm to H=100cm and with variable thickness ribs (14cm/17cm base). The standard width of 250 cm is variable from 180 cm to a maximum of 300 cm, adapting to **all kinds of design requirements**.

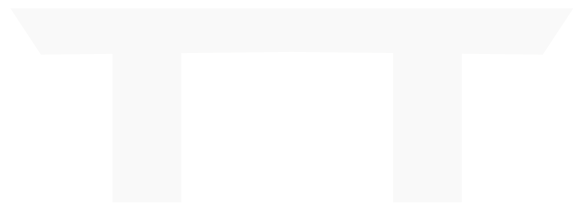
The wide range of heights and bases makes it possible to meet all requirements, whether in relation to load-bearing capacity, calculation span or fire resistance.





Quick and easy installation

Quick and easy installation DIPLO prefabricated slabs allow for quick and cost-free installation because they do not require any provisional work, such as shoring during assembly. DIPLO is laid on L- and T-beams which, once assembled, generate a continuous plane with the extrados of the slab holding beams ready for the collaborating cast.



» Some realisations with the 'double-T' DIPLO Slab.

» BEAUTY, BRIGHTNESS AND LIGHTNESS

PRISMA

Prisma is the optimal choice for gyms, exhibition spaces, hypermarkets, small and large stores, and logistics spaces. It is adaptable to any building plan dimension, always retaining its characteristics: versatility, adaptability, fire resistance, excellent rainwater collection.

The prefabricated roofing materials used allow for a uniform, aesthetically pleasing and unique result.

The Prisma building system is the ideal solution to provide our customers with excellent insulation, as well as a good barrier to internal and external noise transmission, thus offering maximum acoustic comfort.



» PRISMA support on "ADI" side beam.



» Complete PRISMA structure



» PRISMA main element



» PRISMA element, length 30 m

ADVANTAGES

The Prisma structure has a 15-year warranty. All other parts of the system are guaranteed in accordance with the law.

Transport and assembly of prefabricated warehouses with the Prisma system are included in the final cost. Transport is ensured with our own vehicles, in order to guarantee safety and short delivery times.

The Prisma system is already supplied with a fire resistance rating of R=90 ideal for all normal commercial and production activities. For companies that need higher fire resistance, we supply prefabricated buildings with resistance up to R=120

In addition, precast concrete halls built with the Prisma system have a seismic resistance from Zone 1 to Zone 4 (S4 to S12).

TECHNIQUE

The Prisma system consists of reinforced concrete Pillars, ADI Beams, Prisma Elements, Cups and Gables.

Prisma is characterised by an architecturally advanced and innovative modular roofing system and is produced in three different solutions: flat, macroshed and microshed.

The Prisma system is complemented by a specific roof covering that provides a 'Ventilated and Waterproofed' solution.

At the customer's request, Clesi can also supply the roof covering with thermal transmittance within the limits allowed by Italian L.D. No. 311.



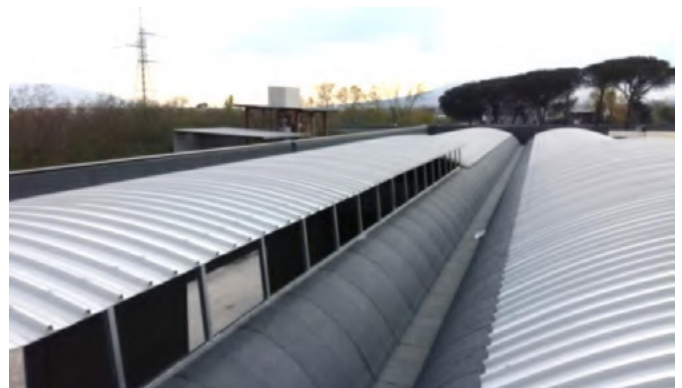
» PRISMA elements transport



» PRISMA element, length 30 m



» Waterproofing and Insulation 'PRISMA' Elements



» Roofing between 'PRISMA' elements with Sandwich Panel - External view



» Waterproofing and Insulation 'PRISMA' Elements



» Roofing between 'PRISMA' Elements with Sandwich Panel - External View



» Roofing between 'PRISMA' Elements with Sandwich Panel - Inside View



» Cement Grey Vertical Panels



» Roofing between 'PRISMA' Elements with Sandwich Panel - Inside View



» Cement Grey Vertical/Horizontal Panels

» INFILL PANELS

3 PREFABRICATED PANELS FOR ALL TYPES OF STRUCTURES

-
:
-

Clesi® Prefabricated designs, manufactures and markets prefabricated infill panels for commercial, residential, industrial and social construction. Our prefabricated panels combine practicality, speed of execution, certain installation times, no maintenance and high aesthetic value thanks to the numerous customisations proposed to the customer (grits, matrices, etc.).

Our prefabricated panels, depending on the type of structure for which they are intended, can be supplied solid, lightened, with a thermal insulation layer in between, in compliance with the requirements of Law 311, which guarantees compliance with the building's energy performance.

Clesi®'s panels are produced both vertically and horizontally and can

be combined with each other to give the building a precise architectural identity. It is possible to customise the interior and exterior finish with different colours and materials, depending on architectural and design requirements. For more information, please visit the Finishes page.

EXTERNAL FINISHES

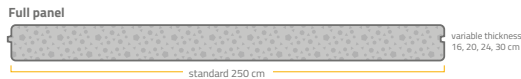
Our VRC panels are available with a wide range of exterior finishes. For more information visit the finishing page of this site.

INTERIOR FINISHES

Our VRC panels are normally finished with shotcrete, however, on request they can be finished with smooth 'helicopter' polished concrete.

FIRE RESISTANCE AND SOUND INSULATION

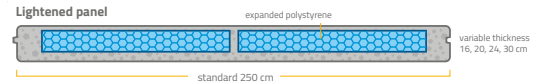
All our panels are produced with varying fire resistance classes depending on the customer's project. Panels can be designed and manufactured to meet specific sound insulation requirements according to the D.P.C.M. 15/12/1997 and surface mass values according to current regulations.



PREFABRICATED VRC PANELS

Our panels can be used effectively to make:

- Infill of prefabricated structures in RC and PRC;
- Carpentry structure infills;
- Infills for structures in-situ;
- Internal partition or compartmentalization walls.

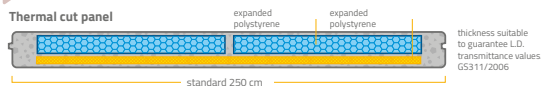


LIGHTENED PANELS IN VRC

Clesi designs, produces and markets lightweight prefabricated infill panels in VRC. The insulating and lightweight layer is made of polystyrene blocks with a density of 8/10 kg./m³, a standard width of 2.50 metres and a maximum height of 13.00 metres. Panels are available in thicknesses of: 16, 20, 24 and 30 cm.

Our panels can be used effectively to make:

- Infill of prefabricated structures in RC and PRC;
- Carpentry structure infills;
- Infills for structures in-situ;
- Internal partition or compartmentalization walls.



THERMAL CUT PREFABRICATED PANELS

Clesi designs, manufactures and markets prefabricated VRC infill panels with an insulating and lightening layer in between that are suitable for reaching the thermal transmittance limits set by annex 'C' of Italian L.D. No. 311/2006, supplemented by Italian P.D. 02 April 2009 No. 59. Our thermal cut panels are produced with a standard width of 2.50 metres, a maximum height of 13.00 metres and thicknesses suitable for guaranteeing the transmittance values established by decree No. 311/2006.

Our panels can be used effectively to make:

- Infill of prefabricated structures in RC and PRC;
- Carpentry structure infills;
- Infills for structures in-situ;
- Internal partition or compartmentalization walls.

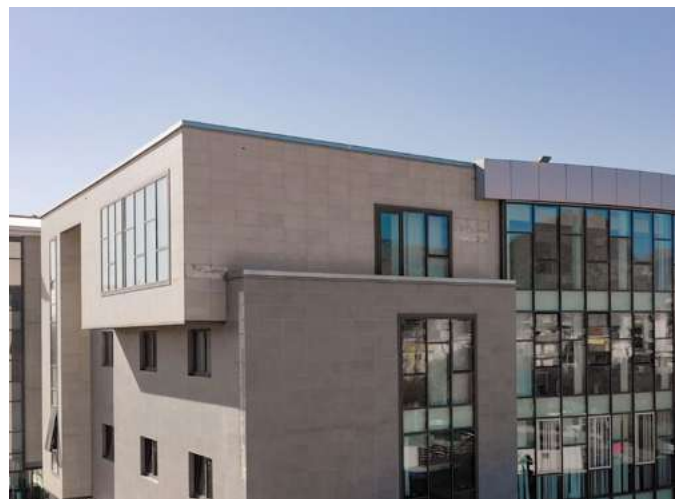
PROJECT PORTFOLIO



» CENTRE AIAS

INFO PROJECT

Client: Holding Real Estate | Location:
Cicciano NA | Constructive System: Multi-storey
Stratos | Surface: 3300 sqm | Sector : Health care



» NEAPOLI SANIT

INFO PROJECT

Client: NeapoliSanit | Location : Ottaviano NA
| Constructive System: Stratos Multi-storey |
Surface: 7500 sqm | Sector : Health care



» FEMAR

INFO PROJECT

Client: Triade Moda | **Location:** Palma Campania, NA, PIP Area Loc. Gorga | **Constructive System:** Multi-storey Stratos | **Surface:** 4390 sqm | **Sector:** Textile



» AREA INDUSTRIAL

GRICIGNANO DIAVERSA

LSDM (3, 4)

Client: LSDM | Location : Gricignano
Di Aversa CE | Constructive System: Flat roof
with hollow core slab Kypse | Surface: 1500 sqm |
Sector: Automotive

INFO PROJECT

MZ IMMOBILIARE (1, 2)

Client: MZ IMMOBILIARE | Location:
Gricignano Di Aversa CE | Constructive System:
Stratos Multi-storey + Delta System |
Surface: 3500 sqm | Sector : Logistics

SAF (5, 6)

Client: SAF | Location : Gricignano
Di Aversa CE | Constructive System: Delta |
Surface: 1200 sqm | Sector : Logistics



» WINERY MASTRICCI

INFO PROJECT

Client: Vinicola Masticci | Location :
Cerignola FG | Constructive System: Kypse System
with hollow core slab | Sector: Viniculture



» OXYVER 2000

INFO PROJECT

Client: Oxyver 2000 | Location : Sarno SA
| Surface: 1700 sqm | System : Delta |
Sector: Industrial



» EMMEBI CARS

INFO PROJECT

Client: Emmebi Cars | Location : Airola BN |
Constructive System: Kypse with flat cover |
Sector: Commercial



» CO.GE.OR

INFO PROJECT

Client: CO.GE.OR | Location : Cautano BN |

Constructive System: Delta | Surface : 700 sqm |

Sector: Construction



» FOUNDRY NOLANA

INFO PROJECT

Client: Fonderia Nolana | Location : Nola NA

| Constructive System: Delta | Surface : 710 sqm |

Sector: Manufacturing



» TRUCKING DE LUCIA

INFO PROJECT

Client: Autotrasporti De Lucia S.r.l. | **Location:** Maddaloni CS | **Constructive System:** Delta with 36 tubes | **Surface:** 2500 sqm | **Sector:** Logistics and transport



» BUGLIONE GROUPS . R . L .

INFO PROJECT

Client: Buglione Group S.R.L. | Location: Palma Campania (NA) | Constructive System: Stratos Multi-storey system with Kypse flat roof. Thermal cut infill panels. | Surface: 1800 sqm | Sector: Automotive



» MASSERIA FRATTASI

INFO PROJECT

Client: Masseria Trattasi | Location : Bonea (BN) |

Constructive System: Underground structure with hollow core slab Kypse | Surface: 1800 sqm |

Sector : Farm



» IRFID S.R.L.

INFO PROJECT

Client: IRFID S.R.L. | Location : Cicciano (NA) | Constructive System: Stratos Multi-storey with Synde earthquake-proof system | Surface: 3800 sqm | Sector : Health care



» SAN MICHELE S.P.A.

INFO PROJECT

Client: San Michele SPA |

Location: Pratola Serra (AV) |

Constructive System: Stratos Multi-storey
with SOFOS floor | Surface : 600 sqm |

Sector: Health care



» E.M. FORMICOLA S.R.L.

INFO PROJECT

Client: E.M. Formicola srl. |
Location: Frattamaggiore (NA) |
Constructive System: Kypse
(Roof + 2 mezzanines) |
Surface: 1900 sqm | Sector : Clothing



» H-ANGAR 93 S.R.L.

INFO PROJECT

Client: H-ANGAR 93 S.r.l. |
Location: Striano (NA) | Constructive System:
Prisma | Surface: 1120.00 sqm |
Sector: Textile



» GRA.VI.CO S.R.L.

INFO PROJECT

Client: GRA.VI.CO. S.R.L. | Location :

Gricignano di Aversa (CE) |

Constructive System: Delta with 'Kypse' floors
in flat roof |

Surface: 5,810.81 sqm | Sector : logistics



Sponsorships



Clesi® participated in



Organisation with a UNI EN ISO 9001:2015 certified management system



Clesi® is associated with



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