

The **VELODROME**

Morbegno (Sondrio, ITALY)

Nature as CO-AUTHOR



Designed for official certification, the cycling track supports competitions and training for athletes of all ages and levels, promoting social interaction and an inclusive sports experience. The architecture, inspired by the movements of track cycling, is expressed through elegant and fluid paraboloid curves.

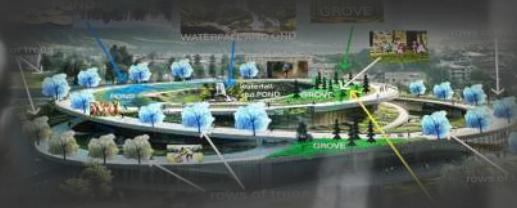


The **VELODROME**

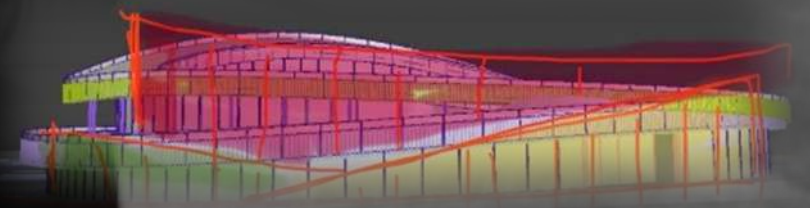




Designed for official certification, the cycling track supports competitions and training for athletes of all ages and levels, promoting social interaction and an inclusive sports experience. The architecture, inspired by the movements of track cycling, is a fluid, organic form that flows through the landscape.



VELODROME



MORBEGNO A 5 CERCHI

città' dello sport porta delle alpi



UOA-W + ARCHITES



URBAN OFFICE ARCHITECTURE



DIATOMIC DIALOGUES 003

revolving around anthropo-architecture

NEW VELODROME, Morbegno, SO, Italy

project by

UOA-W + Archites

massimo edolo marinelli architect

UOA-W



elio della patrona architect

ARCHITES



The VELODROME



Headquartered in Milan with additional offices in New York, Miami, and Sondrio, UOA-W + Archites group **works internationally combining deep Italian heritage with the local traditions of different contexts** to create meaningful experiences through design.

The UOA-W + Archites group has been focusing in the past 25 years in developing

a renewed **téchne** (art of building / **Τέχνη**)
revolving around **anthropo-architecture.**

An architecture centred on its social outcomes, an architecture that understands and creatively interprets sociological and anthropological inquiries to a level that exceeds a basic multidisciplinary approach.



KNOWLEDGE IS POWER

*"UOA-W Massimo Edolo Marinelli Arch
Founding, Creative Director
Founding Partner globally*



The analysis's meta-design phase of accelerated complex systems allows us to integrate the generative rules of modified ecological systems to redesign their places and artefacts, giving life to deliberately significant spaces full of possible meanings, responding to a renewed *téchne* (art of building / Τέχνη).

...This "deontological", or rather
"neo-ontological"
responsibility therefore requires
us to design and create
appropriate and convenient
proposals respecting all the
constraints present at the
outset....

SPATIAL POETICS...

We believe in the built form and
strive to make it
**less tectonic
and more esthetic.**

... environmental ...,
... cultural ...,
... aesthetic ..., economic
... social



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The VELODROME



FUTURE- PROOF ARCHITECTURE

... City planners and policymakers lack an effective future-oriented approach enabling them to comprehend current complexity, anticipate impending change and shape a preferred future condition....



URBAN OFFICE ARCHITECTURE



Life Quality



Leadership



Resource Allocation



Natural Word



Climate Resilience



"ARCHITES CO Elio Della Patrona Arch Principal"



The **VELODROME**





*...Anthropo-architecture is mainly
concerned with its users, their meaningful*

and ...

*...transformative experience in **s p a c e**...*

*"UOA-W Tatiana C Mardare, Critical Anthropologist
founding Partner globally, Strategy Manager"*



The **VELODROMO PROJECT**

Morbegno (Sondrio, ITALY)

Nature as CO-AUTHOR



The **VELODROME**





Dealing with the context of a project's **site** is an essential part of architecture, be it by denying or incorporating preexisting elements and the environment's conditions in the **design**



design cannot be about
controlling the environment but about **understanding architecture's
role**, limits, and potential to comprehend how to cohabit with nature.

VELODROMO proposes an architecture that acts as a mediator in the relationship

between **people** and **nature**, where
nature is the active agent in creating **new places.**

However, understanding what lies around as an active agent of the decisions and space organization goes beyond simply considering the good views, natural ventilation, solar orientation, etc; it is about seeing these conditions as **co-authors**



The architectural concept is defined by **concentric shells enveloping the cycling track**, inspired by the local flora.



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An architectural rendering of the Morbegno Velodrome, a modern cycling stadium. The structure is a large, circular, multi-tiered building with a dark, metallic exterior. The roof is a lush green landscape with various trees, including tall conifers and smaller deciduous trees. A central feature is a small waterfall cascading into a pool. The building is surrounded by a wide, paved path where people are walking and cycling. In the background, there are rolling green hills and mountains under a clear sky.

The Morbegno Velodrome is conceived as a multifunctional **'land art'**, designed to harmonize with its natural surroundings. The structure rises gently from the ground, establishing a respectful dialogue with the alpine landscape while offering breathtaking views of the mountains.

Outdoor areas will be regenerated with wildflower meadows and native plants such as rhododendrons, dwarf pines, larches, and stone pines, with a coniferous forest incorporated on the roof.



Interaction with the Surroundings

The architectural concept is defined by concentric shells enveloping the cycling track, inspired by the local flora. Outdoor areas will be regenerated with wildflower meadows and native plants such as rhododendrons, dwarf pines, larches, and stone pines, with a coniferous forest incorporated on the roof.

xtensive glazing fosters a **visual dialogue between the interiors and the landscape**, enhancing visitors' sensory experience



Site Integration and Layout

Addressing the challenge of a trapezoidal and sloping site, the project sensitively reshapes the terrain, partially embedding the structure into the ground, creating a natural link between Morbegno and the Alpine peaks.



The project stands out for its high energy performance and minimal environmental impact, situated on a municipal site hosting the Morbegno exhibition center. It features a 250-meter indoor cycling track, central sports fields, 1,000 fixed seats, and an additional 1,000 mobile seats.

The building also includes a gym, a gymnastics lab, a medical center, a café with a terrace, meeting rooms, offices, and all necessary accessory facilities





Multifunctionality and Accessibility

The circulation flows have been carefully planned to ensure an intuitive user experience, separating public and athlete access while implementing advanced access control technologies.

This **holistic and sustainable vision** makes the Morbegno Velodrome an outstanding example of sports architecture and environmental respect.



Our work not only responds to challenges today, it mitigates challenges of the future: we approach every project as an opportunity to use **nature-based solutions** for **social and technological integration**, community building, ecology preservation, biophilia and biodiversity enhancement to design sustainable, smarter and safer cities.



ABOUT / Τέχνη

UOA-W is a laboratory for architecture on every scale.

Our working method practices a simultaneous exploration of traditional handicraft and cutting edge technology.

Our personal mission is to grow UOA-W as an independent, transversal hub of design research with a civic passion that inspires talented, creative and influential voices in architecture, art and engineering to address the critical challenges and opportunities of our time.



KNOWLEDGE IS POWER

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*This “deontological”, or rather “neo-ontological” responsibility therefore requires us to design and create appropriate and convenient proposals respecting all the constraints present at the outset: **economic, environmental, cultural, cultural, aesthetic, social.***

We believe in the built form and strive to make it less tectonic and more aesthetic.



ARCHITECTURE EXCELLENCE AND SPATIAL POETICS

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The UOA-W believes that great architecture is useful as a vehicle for inspiring minds as well as serving the functional purposes of everyday activities.

Perfectly executed details, flawless fluid spaces are paired with an inspiring contemporary aesthetic, to create a unique vision for each project.

The conceptual premise of this attitude lies in the passion for an interpretable beauty suggested by nature, or a human vision of forms. If this often sought after meets the criteria of standard architectural practice, we like to spread the idea that there is a certain distance between the thought appearance and the physical one.





SUSTAINABILITY *future-proof architecture*

UOA-W believes that the best resource for spaces are the human occupants.

The traditional definition of sustainable development is taken from the 1987 UN World Commission on Environment and Development report, also known as the Brundtland Commission Report, “development that meets the needs of the present without compromising the ability of future generations to meet their own needs”.

This raises the critical point that our current quality of life cannot be bought at the expense of future generations.

All members at UOA-W develop a “green” approach to our work. Imagination and invention are however the strongest environmental tools and are utilized to seek for solutions and methods where others are not looking.

City planners and policymakers lack an effective future-oriented approach enabling them to comprehend current complexity, anticipate impending change and shape a preferred future condition.

UOA-W strives to produce spaces which are representative of our race greatest achievement, including the preservation of the Planet for future generations.



Changing values systems will be the single biggest driver over the next thirty years; the forging of shared visions is a prerequisite to strategic city planning; and the nature, force and direction of the various vectors of collaborative leadership by constituent stakeholders will determine the future success or otherwise of city stewardship.

These collectively address areas of human wellbeing, mobility, community development, collaboration, planning, economy, materials, energy, water, siting, conservation, ecology, emissions, and resilience. These indicators collectively become the foundation of what constitutes sustainability in the project.



HOW DOES UOA-W + Archites ADDRESS THE FULL RANGE OF SUSTAINABILITY?

Social wellbeing is comprehensively addressed. As stated previously, Envision poses two questions: “Are we doing the project right?” and, more critically, “Are we doing the right project?”

Restoration of natural resources and ecosystem services is an explicit goal within the UOA-W framework. While improving sustainable performance is an essential and immediate goal, long-term goals should be directed toward restoration where practical.

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TEAM PROJECT



URBAN OFFICE ARCHITECTURE



 MASSIMO EDOLO MARINELLI ARCHITECT

UOA-W

 ELIO DELLA PATRONA
ARCHITES ENGINEERING CO

UOA-W Arch. Manfredo Manfredini

ASSOCIATE NY



UOA-W Tatiana C Mardare

Critical Anthropologist

Founding Partner globally, Strategy Manager



ARCHITES ENGENNERING CO Fatemeh Khamesi

Energy Engineer



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Federico Garibaldi

Creative Director/Artist



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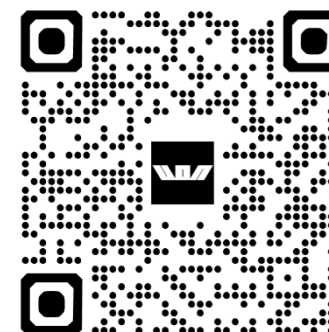
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The **VELODROME**

