



10 Creative Buildings and
Interiors Design Projects Using

MICROSTATION

Architects and interior designers around the world trust MicroStation

They trust MicroStation to produce high-quality drawings and 3D models for their building projects every day.

Selected from the recent Going Digital: Year in Infrastructure Awards, this showcase spotlights unique customer projects that are using MicroStation to design and build creative and functional spaces across Europe.

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Casa Valente

ARREDAMENTO ARTIGIANO S.A.S., ROME, ITALY

An architectural project in Rome was a custom kitchen design that featured cupboards and an island with a porcelain stoneware countertop. The goal was to create a sophisticated modern environment, optimizing the available space while providing an aesthetic continuity throughout the home. Given the irregular layout of the home and varying ceiling heights, the team faced challenges when designing and constructing the components while ensuring a homogenous and harmonious space. They realized that they needed flexible modeling technology to optimize design and meet client expectations.

They selected MicroStation to model the amenities, providing a flexible design environment for managing the project. The interoperability of Bentley's application with third-party software simplified design changes, reduced time, and costs, and ensured complete customer satisfaction.

"The use of MicroStation and Progenio MAXX enabled us to easily manage the entire job, simplifying project changes, optimizing design times, and reducing costs."

— Davide Mattaroccia, Director, Arredamento Artigiano S.a.S.



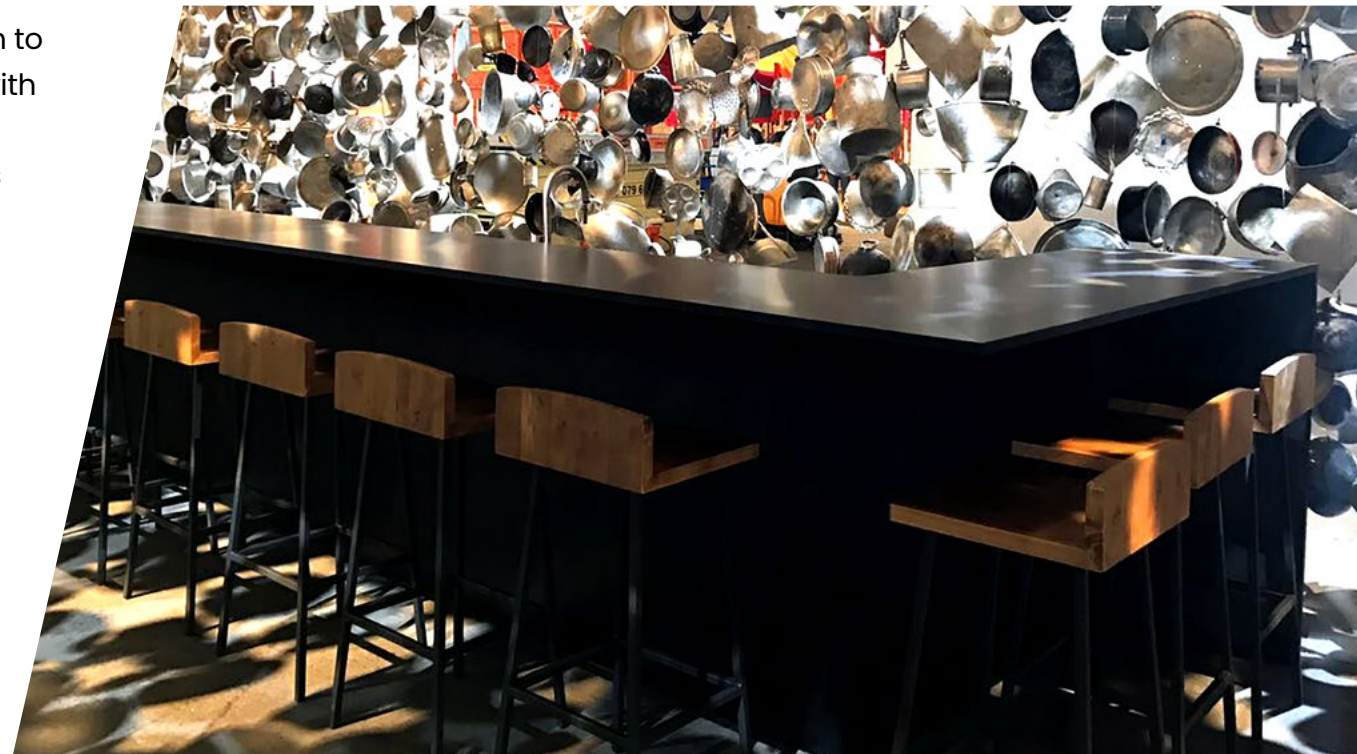
Black Kitchen for Cooking the World by Subodh Gupt

DESIGN WOOD, BASEL, SWITZERLAND

In Basel, Switzerland, Design Wood was tasked with helping design a new kitchen for an avant-garde art exhibition, based on the idea of cooking and eating inside a giant pot. The EUR 14,000, 6-meter-long kitchen needed a modern shape with angular contours, which would be constructed in three blocks. For this complex design to be successful, they needed to assemble a large front panel from numerous pieces, and have it hidden to achieve the sleek design.

Already familiar with MicroStation, Design Wood used the application to create the design. The kitchen was made entirely from blockboard with a matte black laminate coating. By using MicroStation, they reduced design time and errors. Working in 3D helped them create the pieces because they understood from the outset what the finished piece would look like. The client was impressed with the design, swiftly approving it to move to the construction phase in less time than anticipated.

“We strive for perfection to meet every client’s expectation and, for this reason, MicroStation is the ideal tool to meet to all needs,” – Maurizio Morrocchi, Owner



Casa PJ

GIANLUCA RAVARA ARCHITECT, BIELLA, ITALY

In the northern Italian province of Biella, architect Gianluca Ravara was tasked with designing and overseeing construction of a single-family residence. The building needed to reflect the surrounding natural beauty, meet the highest energy standards, and use sustainable construction. Gianluca Ravara needed to ensure that the design could be carried out using wood-based materials and systems that would meet all the heating and lighting requirements.

“I work hard and with passion: I chose MicroStation because it allows me to achieve the very best results,”

—Gianluca Ravara, Architect

Having used MicroStation for almost two decades, Gianluca Ravara chose the application to model and visualize the design. They managed and quickly executed the 3D design model before exporting it into LumenRT. There, they assigned materials and showcased the setting in a highly visual way, providing a more comprehensive design view. By working solely in 3D, MicroStation helped them correct errors during the design phase and reduce planning time. The result was a green, energy-efficient design that was enthusiastically embraced by the client.



Farmacia del Benaco

EKOFARMA SRL, SALÒ, BRESCIA, ITALY

EKOFARMA was tasked with helping restyle the historic Benaco Pharmacy in Salò, Italy to create a functional environment that meets the needs of customers. They had to work closely with the client to design and construct areas for a nutrition bar, wellness area, sports consulting, pharmaceutical advice, and makeup counter. Because the client made requests throughout the project, EKOFARMA needed flexible software that would allow them to constantly update the design of this complex project based on the client's wishes.

Using MicroStation helped them respond to various client modifications, as well as ensure close communication with the architect. They could manage working with varied materials, including wood, metal, and glass. They maintained an overview of the entire project throughout the process, reducing errors and streamlining workflows to save time. Completed in April 2020, the new pharmacy is a highly functional, state-of-the-art facility that impressed the client.

"We create tailor-made pharmacies: MicroStation is the ideal platform to fully meet all our customer's needs,"

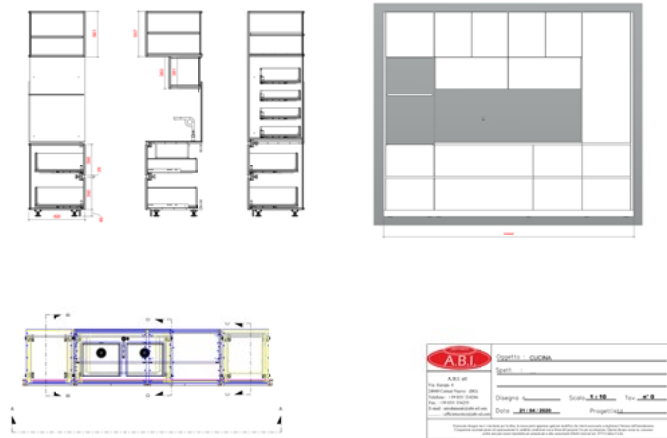
— Massimo Feduzi, Head of the Technical Department



Living Furnishings

A.B.I. SRL, ITALY

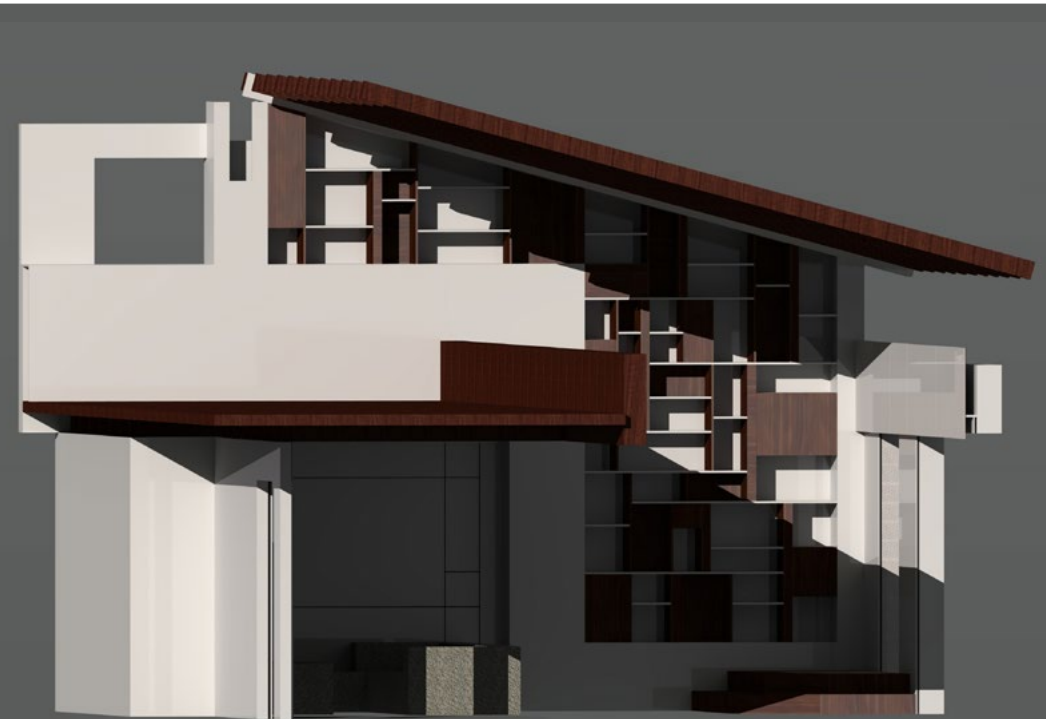
The owners of a house in Italy wanted to renovate their living room and kitchen. A.B.I. was tasked with the design, creation, and installation of the furnishings and wall coverings. The house had large spaces and soaring ceilings, giving the owners the opportunity to choose unusual elements for the furnishings, but they could not rely on traditional techniques. Therefore, they needed an application that would allow them flexibility with the design.



“The flexibility of MicroStation enabled us to reduce the time frames during the entire design phase. In addition, the 3D design functionality gave the client the opportunity to view the whole project and understand what his new living area would look like.”

— Alessio Meris, Business Manager

A.B.I. used MicroStation to design the furnishings, including a table and chairs, bookcase, and a display cabinet. They also designed the wall covering using panels of assorted sizes. MicroStation’s flexibility allowed them to change the design based on the client’s suggestions, and the 3D capabilities enabled the client to see the design as it would look when completed. These practices saved time on design approval and woodworking operations, reducing errors. They worked flexibly in a single application, creating a design that exceeded client expectations.



Nora's House

RENDARK, PIEVE SANTO STEFANO, AREZZO, ITALY

Nora's House involved the modern and elegant renovation of a villa interior designed and built in the 1970s. RendArk was tasked with designing the new interior to meet the client's specific instructions, which included furnishings for the house. Because they were given so much freedom with the design, they needed to work closely with the client to meet expectations. To succeed, they needed a software application that made it easy to update designs.

Already familiar with MicroStation, RendArk used it to develop an integrated rendering of the villa's design. By monitoring the project in a single platform, they saved time and reduced errors. The client suggested several changes during the design phase, which were promptly addressed in the application. They could also provide a preview of the final design to the client, resulting in swifter approval. The client was satisfied with the results, and the project is on track for completion by the end of 2021.

"The use of MicroStation—from the concept to the executive project—has allowed, as always, complete control of all the design phases. The use of a single platform has the huge advantage of enabling us to immediately incorporate changes and new proposals, etc. without any flaws."

—Alessandro Martini, Owner



Panetteria Gasparini

COSTA GROUP SRL, PIOVENE ROCCHETTE, VICENZA, ITALY

In northwestern Italy, a local bakery wanted to improve the furniture in its store. Costa Group was tasked with designing furniture that would enhance the bakery's welcoming, contemporary atmosphere. As the contract required that they remain in constant contact with the client, they knew that classic 2D workflows would not work for the project's tight timeline, as these projects typically have multiple changes.

Costa Group realized that MicroStation would enable them to overcome any critical issues and easily make changes while work was under way. They used MicroStation to draft the technical drawings, as well as design and build entire pieces of furniture in 3D. Digital workflows made it easier to work on complex designs. They minimized errors by using the software, reducing the overall project cost. Costa Group's designs helped create a unique and original space, meeting the client's expectations while delivering the project on time and within budget.

"The element that really sets the project apart is the fact that all the furnishings were produced using an automated approach, creating a direct chain between the 3D design and the delivery of the programs to the machine."

— Pierluigi Fumanti, Production Office



Vòce

IFI SPA, MILAN, ITALY

Commissioned by Intesa Sanpaolo and managed by a Michelin-starred restaurant, Vòce is a 450-square-meter café and bistro dedicated to hospitality and the art of cooking. Located in an art museum in a prestigious area of Milan, Vòce needed to implement a simple design while respecting the structure of the historic building. Ifi SpA was tasked with executing the design, while ensuring efficient collaboration between the client, architect, and design team.

Ifi SpA used MicroStation as the 3D CAD application for this complex project, allowing for the direct design of 3D elements and quick assignment of materials. They also automatically produced machine programs for the various components. By using 3D technology, they could monitor all aspects of the project on a single platform, reducing errors. They exceeded all client expectations while still delivering the project on time and within budget. Vòce was successfully completed in 2018 in one of the most visible locations in Milan.

"It was a great honor to have had the opportunity to carry out a project of this architectural caliber, respecting the idea of the designer and the essence of the place where it is located. The involvement of I Contract in this project has enabled the company to prove that "useful design"—understood as technology at the service of architecture—is the key route for our company, and above all an example for the market. None of this would have been possible without the help of MicroStation!"

— Gabriele Cavallina, Contract Division Sales Manager,



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