

# Nussbaum **live** e

**Spectacular building from star architect Lord Norman Foster**

## **The Chesa Futura in St. Moritz**



English star architect Lord Norman Foster has created a one-of-a-kind holiday house for an exclusive clientele. The spectacular rounded kidney-shaped construction stands on stilts, has an outer shell of local larch wood and offers a fabulous view of the valley and lake of St. Moritz. It is obvious to all that inside as well as out, only the best is good enough – for example, fixtures and installation systems from Nussbaum.

### **A most unusual experience**

Each of the six owner-occupied flats enjoys maximum sunshine and offers maximum comfort. The 15-metre tall building was made completely of prefabricated wood elements which were drawn by means of CAD software. The

flats, each with 8 to 10 rooms, are grouped around two concrete cylindrical shafts that hold the lifts and the stairwells. The entrance to the two-storey parking area is below ground, where all the infrastructure is also to be found.

# well in

## Nussbaum from A to Z

When dealing with construction projects where the highest quality, functional reliability and durability are required, fixtures and installation systems from Nussbaum are the right choice.

The Nussbaum central water supply with pressure-reducing valve, fine filter, distribution, cut-off and safety valves is located in the basement of the Chesa Futura. The cellar and rising pipes used an Optipress installation system of stainless steel (pipes) and red brass (press fittings). For the drinking water distribution to the various floors, the Optiflex installation system with flexible plastic pipes was used.

Particularly noteworthy throughout the entire building is the practical Optivis masking wall system from Nussbaum, which was used not only for covering plumbing units of various sizes, but also for dividing walls and for reinforcement.



Drinking water distribution in the cellar.

## Lord Norman Foster

*Lord Norman Foster (born 1 June 1935) is a British architect, one of the best in his field, and has been one of the most sought-after architects in the world for decades.*

*Foster studied at the University of Manchester, worked for visionary Richard Buckminster Fuller and in 1965 founded the architect's practice, Team 4, which then became Foster Associates in 1967. Originally, his designs were characterised by a mechanical high-tech style, but later he developed an extremely accessible style of sharp-edged modernism. In 1990, Foster was knighted and in 1999 he was made a lord.*

*Some of his works:*

- Stansted Airport (1987–92)
- Commerzbank Tower in Frankfurt am Main (1993–97)
- Reichstag in Berlin (1994–99)
- Swiss Re in London (2001–03)

## Advantageous press technology

«Nothing is better than press-fit,» says Alfred Riederer, the local plumbing contractor. «We work gladly with Optipress and Optiflex, because press-fit in our opinion is the most efficient and secure connection technique there is.» Alfred Riederer's team laid a total of more than 3,000 metres of Optipress and Optiflex pipes in the Chesa Futura.

The building owners had decided for the Optipress and Optiflex installation systems, because they valued the economy coupled with the best quality, security (SC contour) and durability. In addition, there is the complete service that only a total service provider like Nussbaum can offer.



Optipress in the rising zone.

# stalled



## Eldorado for the Optivis masking wall system

Plumbing contractor Riederer is quite enthusiastic when enumerating the positive points of the masking wall system from Nussbaum. «We used Optivis like a building module,» he says. «It was the ideal instrument for overcoming the many diverse challenges that we encountered in the Chesa Futura.» Because of the countless special wishes of the future residents and the variable room heights, the plumbing contractor had quite a few hard nuts to crack. «With Optivis, we could adapt easily and even with extraordinary constructions we could find a simple implementation,» comments Riederer. «I can hardly imagine how we would have overcome the difficulties without this outstanding system.»





*Even the fireplaces nestle into the curves of the building.*

### Involvement in construction

- Architects: Foster & Partners Ltd., London
- Owner: SISA Immobilien AG, 7500 St. Moritz
- HVAC planner: EN/ES/TE AG, 8002 Zürich
- Construction supervisor: Dipl. Arch. ETH Arnd Küchel, 7500 St. Moritz
- Plumbing contractor: Alfred M. Riederer, Sanitär + Heizung, 7500 St. Moritz
- Construction start: Spring 2002
- Ready for occupancy: Summer 2004

### Exemplary cooperation

The quality of the products is important, but the service also counts. With Nussbaum, the specialist can expect comprehensive, personal and individual advice and support at any time. In addition to the experienced customer consultants, the employees from Technology Marketing also offer the service of a practical on-site training if needed.



Thanks to Nussbaum's extensive distribution network, even in the case of the Chesa Futura deliveries were never a problem. Ordered today, delivered tomorrow, was just «business as usual» for the site in St. Moritz. The cooperation with Nussbaum worked exceedingly well, Riederer and his fitters unanimously agree.

*For each bedroom, there is a bathroom.*

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*Alfred Riederer and his team together with Vic Cajacob, Architekturbüro Küchel, St. Moritz (far left) and Beat Wolgensinger, Nussbaum Customer Consultant, canton of Grisons (back row, fourth from left).*

