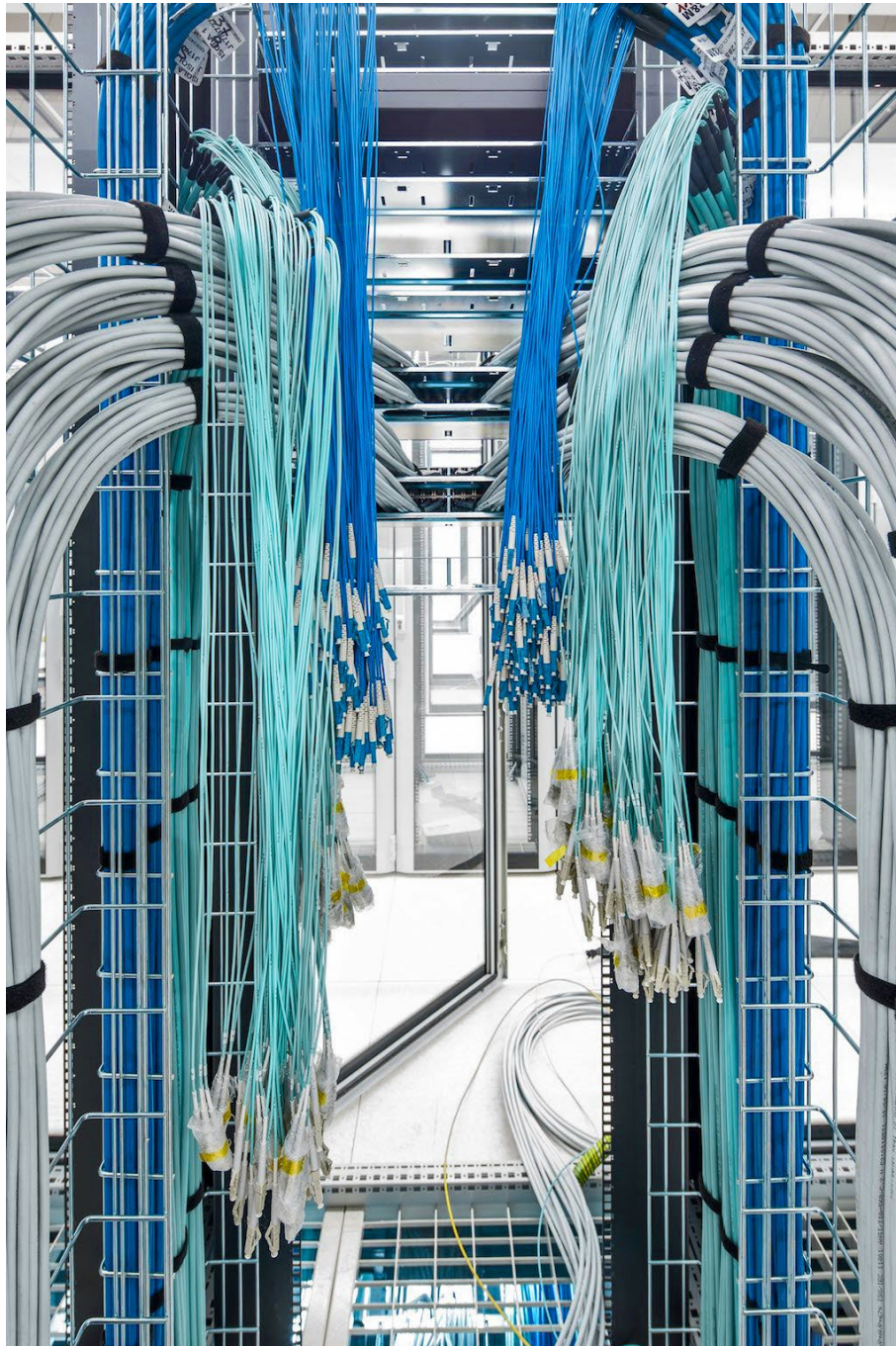




DATA CENTER

THE RAISED ACCESS FLOOR



APPLICATIONS

SERVER ROOMS

Supports high density IT racks. Adaptable accessories for air distribution and cable management. Safe and easy access for maintenance. Options for seismic resistance.

UPS AND ELECTRICAL ROOMS

Configurable open frames for large electrical cables. Cable management accessories.

SERVICE CORRIDORS

Robust design to support heavy equipment handling. Flexible pedestal placement eliminates interference with piping and wiring.

OFFICES AND CONTROL ROOMS

Designed for the demanding work environment. Supports comfort cooling and network cabling. Countless floor finish options.

MAIN ADVANTAGES

ADAPTABILITY TO DIFFERENT COOLING SOLUTIONS



The underfloor space offers the ideal and optimal location for all cooling systems, from direct air distribution to the possible path of air pipes or chilled water pipes.

HIGH MECHANICAL PERFORMANCE



The special underfloor structure, together with the choice of panel, allow for high-performance systems that meet the most stringent mechanical restrictions.

OPTIMIZATION OF AIR DISTRIBUTION



The structure of the raised floor and the space beneath the panels offer support for the assembly of perfectly integrated and modular equipment for controlling the flow of air or pressure, in suitably identified strategic points, with maximum freedom.

FLEXIBILITY OVER TIME



In the space under the floor, all the systems necessary for the functioning of the room are ready for future needs: from the connection network to that for the energy supply, from the direct distribution of the air to the possible path of the chilled water pipes, they can all be easily adapted.

SECURITY AND RELIABILITY



The underfloor plenum keeps chilled water flows separate from wiring and sensitive equipment, minimizing the risk of damage in the event of leaks, condensation, breakdowns or malfunctions.

OPTIMAL PLANT DISTRIBUTION



The raised floor module features a grid with sides of 60 cm: the minimum obstruction of the floating floor structure allows for maximum flexibility and is the best solution for distributing the various functional systems up to the points of use.

EASE OF CONNECTION TO TECHNOLOGICAL AND FUNCTIONAL NETWORKS



The availability of a wide range of electrical devices, combined with the maximum flexibility and adaptability of the system, allow the complete connection and control of all systems and data distribution networks.

COST SAVINGS



Operating costs are reduced to a minimum and access to the systems in the event of breakdown or routine maintenance is easy and direct. The operator can access the underfloor plenum from practically anywhere in the room, flexibly and with maximum safety, without the aid of ladders or special tools.

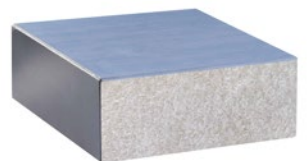
THE SYSTEM



PANELS

The panels used in the data center floor system can have either a chipboard core or a calcium sulphate core, both with high density. The chipboard panel combines good mechanical properties and low weight with greater cost-effectiveness. The calcium sulphate panel, on the other hand, not only benefits from better mechanical properties and resistance to fire and humidity, but also has strong sound absorption characteristics for improved footfall comfort.

On the bottom surface, the core can be clad in aluminium (0.05 mm thick) or galvanised steel (0.5 mm thick) in order to increase the thermo-hygrometric stability of the entire panel and improve its mechanical properties. The covers used are made of HPL laminate, vinyl or rubber, in both antistatic and conductive versions.



STRUCTURE

The galvanized steel pedestals, available in different heights starting from 30cm up to 150cm and beyond, consist of a circular base fixed to a tube, coupled to a head connected to a threaded rod; a special nut allows you to easily adjust the height. Above the pedestals are fixed the steel profiles which constitute the support mesh for the panels and allow to increase the mechanical resistance and the overall stability of the flooring.

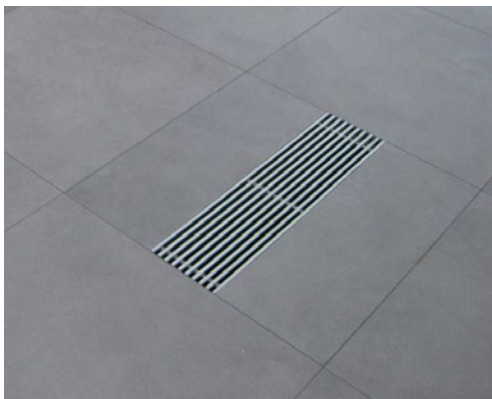
The heads of the pedestals and the profiles are shaped so that they can be mechanically fixed together at any point along the entire profile, using hammer screws, thus allowing both the arrangement of the pedestals even at distances greater than 60 cm and more freedom of positioning each Data Center's functional system in the underfloor plenum. Finally, special gaskets with an anti-noise function are positioned on the profiles, for greater adherence of the panels to the structure.



ACCESSORIES

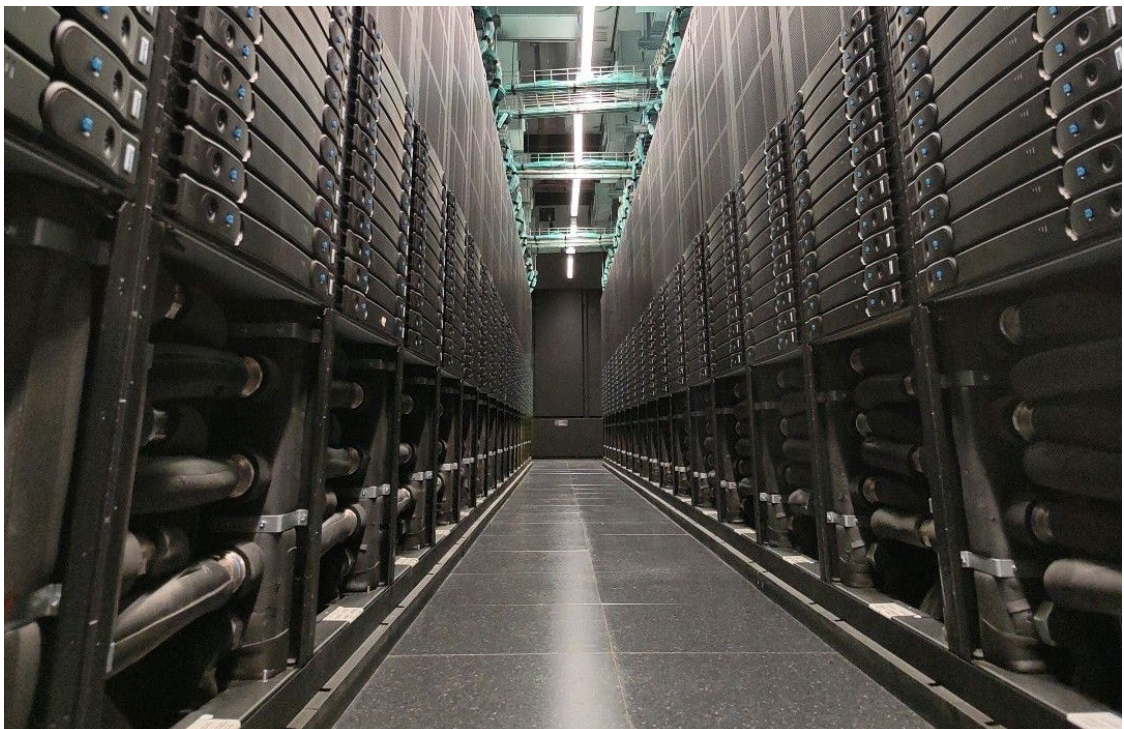
The raised floor for data centres can be integrated with ventilation accessories, used when the underfloor plenum is used for air distribution. The solution includes the following possibilities:

- **GRID PANEL** dimension 600x600mm constituted by a pressed grid with 66x15mm mesh, welded to a perimeter frame 4mm thick, two heights available: 30mm and 38mm. The panel is totally made of steel with electroplating zinc surface treatment and then polyester powder coated. The free surface is approximately 80%;
- **PERFORATED METAL PANEL** 588 holes (diameter 13mm) dimension 600x600mm, made from a flat sheet of 3mm thick attached to a frame of appropriate section. All metal parts are painted. The free surface is equal to about 22%.

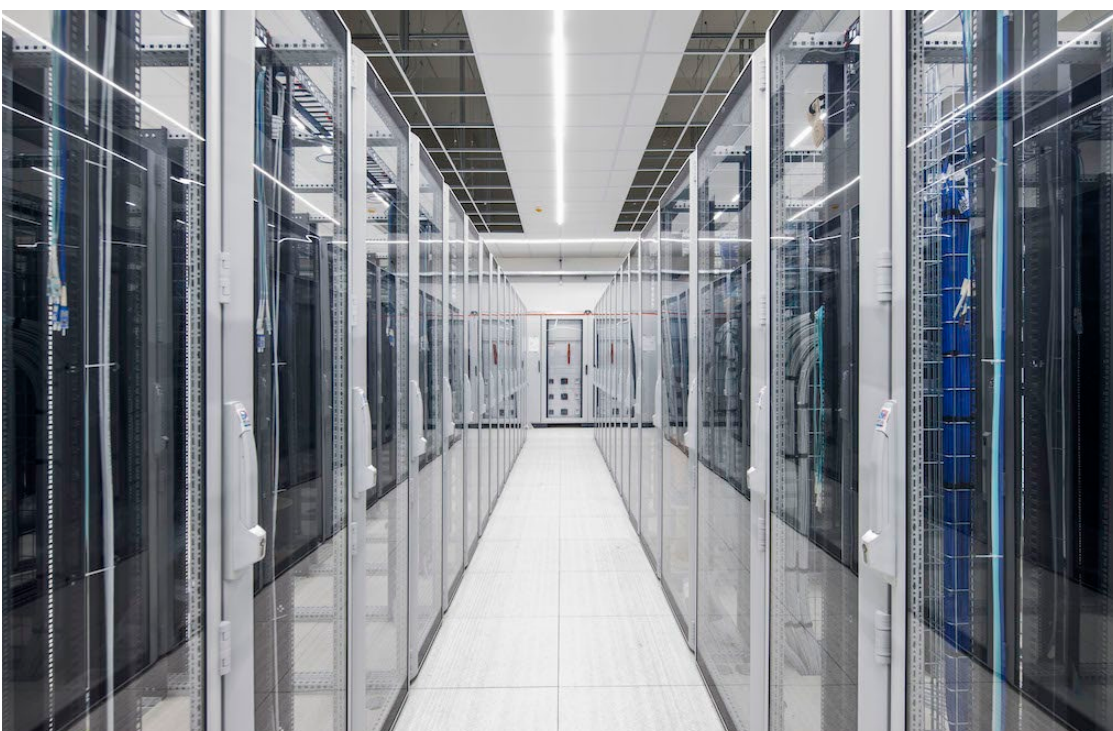


PROJECT GALLERY

TECNOPOLO - BOLOGNA (IT)
SQM: 10.000



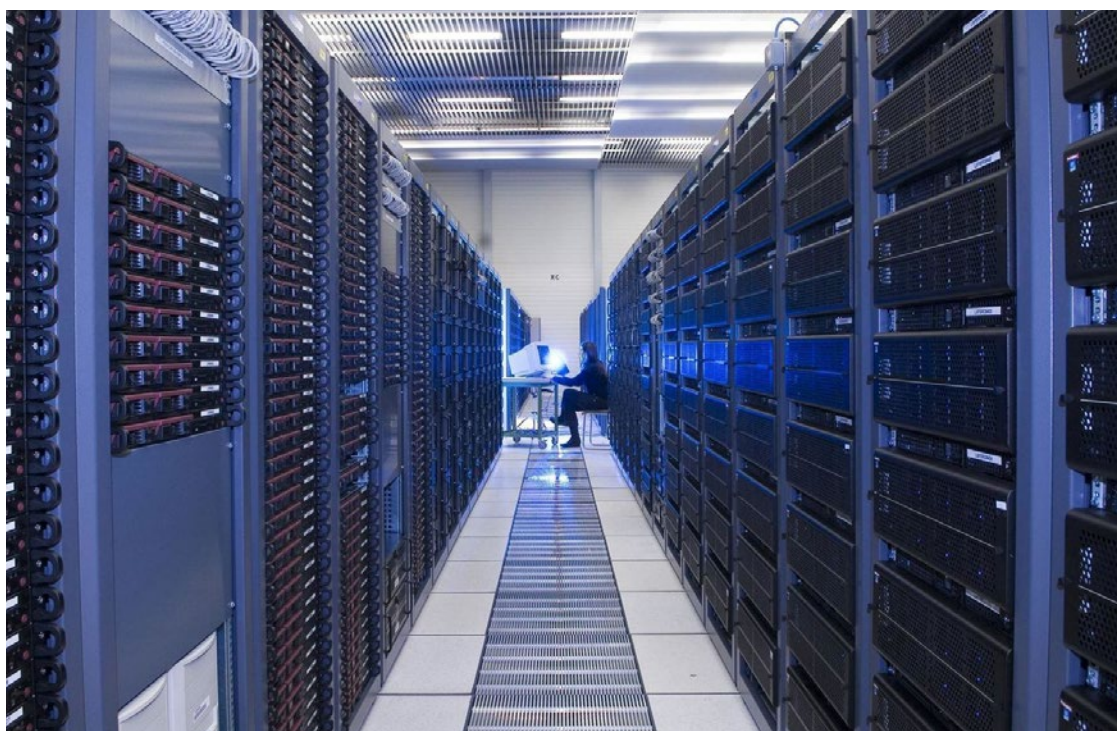
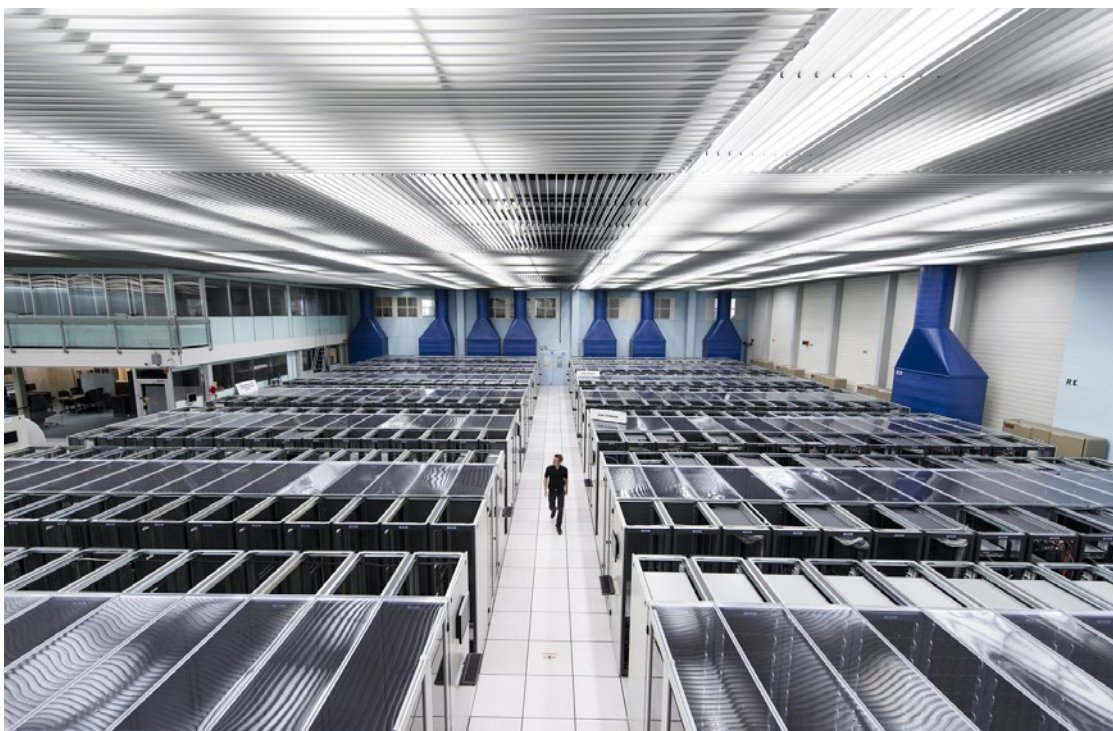
ARUBA GLOBAL DATA CENTER - BERGAMO (IT)
SQM: 15.000



CISCO SYSTEMS DATA CENTER - PANCEVO (HR)
SQM: 300



CERN COMPUTING CENTER - GENEVA (FR)
SQM: 400





Uniflair
Access Floor

TRANSPACK GROUP SERVICE S.P.A.

Registered office

via S. Marco 11
35129 Padova (PD)
+39 049 8072536

Production

via dell'Industria 19
35028 Piove di Sacco (PD)
+39 049 8072536

Milan showroom

viale T. A. Edison 50
20099 S.S. Giovanni (MI)
+39 02 83595156

NESITE.COM