



Mezzanine Floors

Nolte Mezzanine is your specialist
in floors from hot and cold-rolled
steel profiles



Nolte Mezzanine designs, produces and installs mezzanine floors in whole Europe

A mezzanine floor, also referred as an platform or intermediate floor, is the easiest and most flexible way to create more space in a room, so that you get the most from your business premises. You will have extra floor availability within a short time, without the need for drastic reconstruction or moving. The benefit is: if you do move later, you can re-use your Nolte Mezzanine floor system easily again.

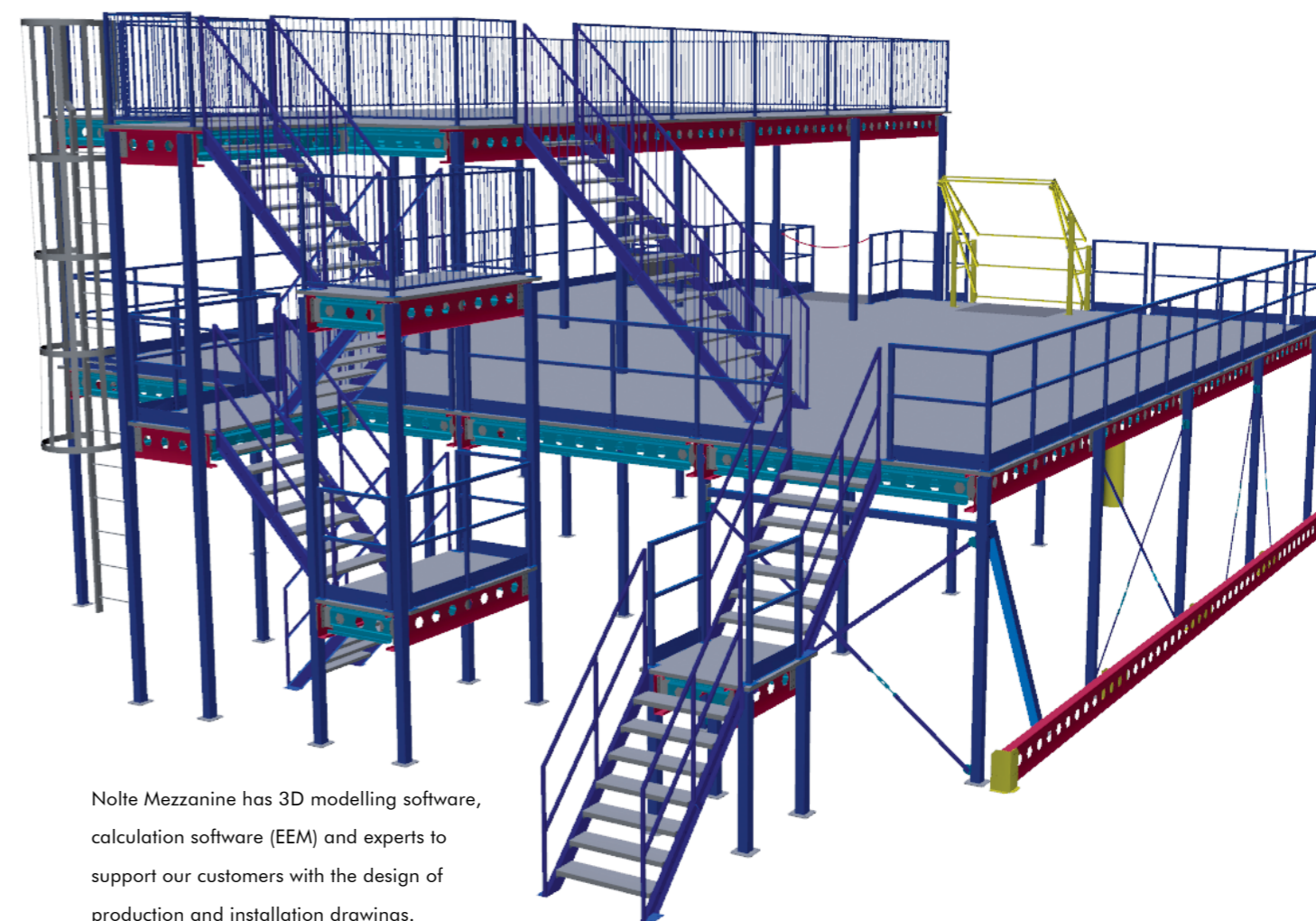


Investing in a Nolte Mezzanine floor means years of security and pleasure

The Nolte Mezzanine floor system is a very well thought-out and flexible mezzanine system, which is entirely custom made. With a load bearing capacity till 2.500 kg/ m² and spans of 12 metres, you can be sure to find the right solution for every need. The unique cold-rolled profiles offers a range of technical possibilities. With the perforated system (hexagonal holes), it is easy to install wiring, sprinkler system pipes and compressed air lines.

A Nolte Mezzanine system can be used in any industry with its own specific applications and requirements. Complementary technical and functional accessories enable you to adjust the functionality of the mezzanine system as desired. For instance, you can have the accessories in any desired RAL colour to express your company style. What if you want to rebuild or move at a particular moment? No problem. A Nolte Mezzanine system is built so that the entire structure can be disassembled or expanded quickly.

To be short, our wide range of products enables us to supply custom work in almost any situation. If this is not possible with the standard profiles, our advisors will be happy to work with you to find alternative solutions which fit in your situation and budget.

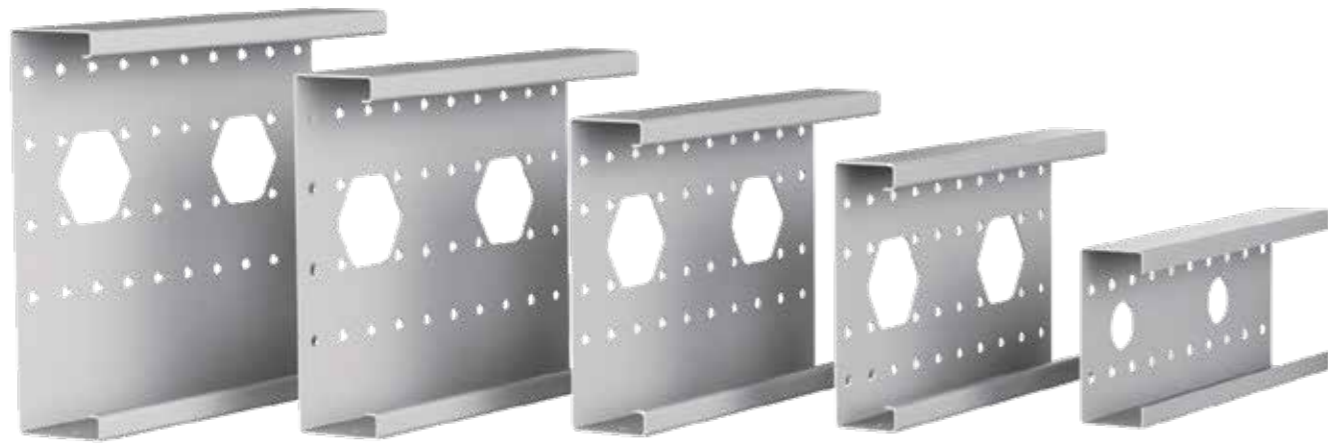


Nolte Mezzanine has 3D modelling software, calculation software (EEM) and experts to support our customers with the design of production and installation drawings.

Construction

Nolte Mezzanine has produced its own Nolte Mezzanine floor profile since 2007. The Nolte Mezzanine profile was specially developed and has a number of advantages over competing profiles.

One of the most important advantages of the Nolte Mezzanine floor profile is a pattern of hexagonal holes, through which pipes can be installed without losing overhead clearance. Extra strength is obtained from the cold-rolled profile with the special shape of the profile. Even greater spans can be created by joining the profiles together. This construction method has many advantages over traditional construction with heavy, inflexible and expensive hot-rolled profiles.



Standard profile delivery

We are able to deliver our standard profiles quickly because the profile production lines are automatically adjustable. Aside from our standard profiles, we have many custom made profiles. If we don't have it in our package, we'll be happy to develop it with you!



Hexagonal hole pattern for pipe installation



Detail of column-profile-corner joint



Our standard profiles

Primary beams



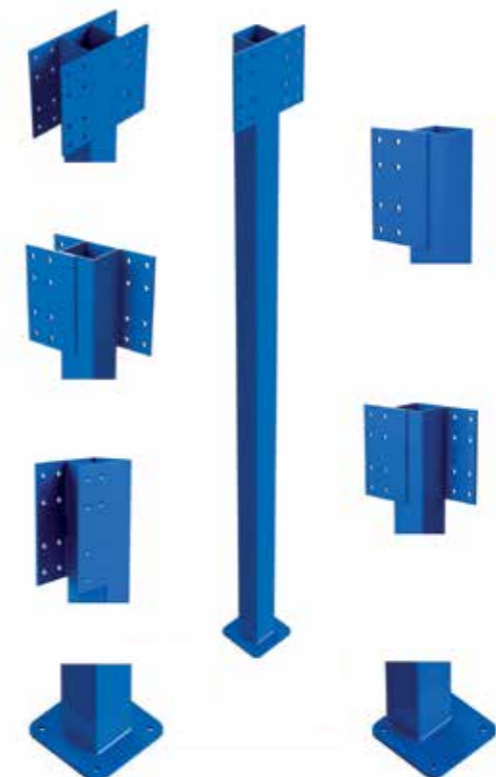
Type	Height	Thickness
C200	200 mm	2/3 mm
C300	300 mm	3/4 mm
C350	350 mm	3/4 mm
C400	400 mm	3/4 mm
C450	450 mm	3/4/5 mm

Secondary beams



Type	Height	Thickness
S200	200 mm	1,75/2 mm
S300	300 mm	1,75/2/2,25/2,5 mm
S350	350 mm	1,75/2/2,25/2,5 mm

Overview of standard columns



Columns are the posts (foundation) upon which the entire structure rests. The distance between the posts is determined by the customer's wishes and requirements as well as the strength of the structure (profiles). As the distance between the posts increase, the price per m² of the structure will increase. Normal spans for a Nolte Mezzanine floor system are between 3 to 8 metres. The following standard posts are used, which can be modified according to the customer's wishes and requirements.

Column	Thickness
80*80	3/4 mm
100*100	3/4/ mm
120*120	3/4/6 mm
160*160	3/4/5/6 mm





Bracing

A mezzanine floor is a self-supporting structure that needs to be braced. To brace a Nolte Mezzanine system, we use the following bracing methods:



Column Brace



Cross brace



V-brace



Cros/Column brace

Column protector

If forklifts are used extensively, it is a good idea to protect columns against damage caused by collisions. We use the following column protectors with Nolte Mezzanine floor systems:



Column protector Type-K



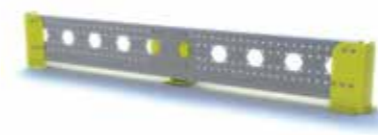
Column protector Type-H



Column protector Type-A

Collision Protection

If a larger area needs to be protected or enclosed from forklifts, a Nolte Mezzanine Collision Protector (railing protector) is the ideal solution.



Nolte Mezzanine Collision Protector
(railing protector) Type-V



Various safety items

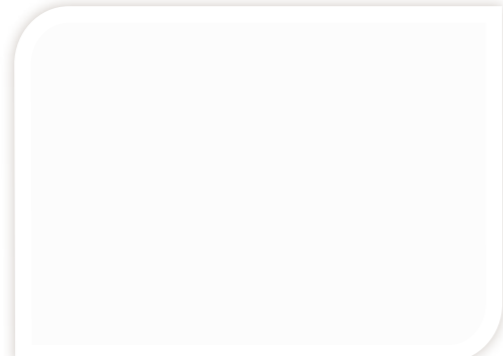
Floor covering

The top deck of a Nolte Mezzanine floor system can be finished in a number of ways. The various standard floor finishes are shown below. Aside from the standard floor finishing, any desired floor covering can be provided.



Floorboard Naturel (standard)

White underside (standard)
Thickness 38 mm



Floorboard underside (white)

The underside of the standard flooring is white. This provides optimal light reflection.



Tongue and groove joint (standard)

The special P6 700 kg/m³ compression press guarantees maximum point load capacity.

Floor panels are available in a range of finish levels and colours



C-Dur de Luxe White

Underside (standard), thickness 38 mm



Antiskid

White underside (standard), thickness 38 mm



Plain particle board with RAL7035 floor coating White

Underside (standard), thickness 38 mm

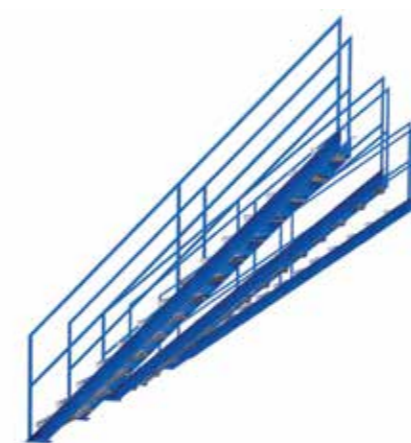


Grid

Thickness 38 mm

Staircases and Platforms

Our staircases are available in a variety of designs. In Belgium and the Netherlands, stairs are built at a 45° angle. In other countries, this depends on the legislation and the wishes and requirements of the customer. Staircases are also available in 35° and 50°. The stairs are available in 3 standard RAL-colours or in any desired RAL colour (by request).



45°/35°/50°



Vertical bar staircase



Cage ladder



Grid thread



Perforated tread



Hardwood tread



Quarter platform stairs



Straight platform stairs



Double quarter platform stairs



Unique Nolte Mezzanine floor profile hexagonal hole pattern for sprinkler pipe installation.

Railings

Railings are legally required on the open side of a mezzanine. Our railings meet all applicable requirements to ensure the safety of your staff. The standard railings we use have a handrail, knee rail and toe board. If a mezzanine is located in a public place, barred railings are used.



Standard railing

The steel railing structure is made up of railing posts, handrail, knee rail and a toe board.



Barred (child friendly) railing

The steel railing structure is made up of railing posts, a handrail and toe rail and provided with horizontal bars.

Pallet handling

A pallet gate is necessary to place goods and/or pallets on the floor safely. On the side where railings are installed, these are interrupted with a pallet gate with various fall protection features.

1 Pallet placement point

The pallet placement position with a width of 1500, 2000 or 3000 mm is provided with a recessed railing section with a red and white plastic safety chain. The pallet placement point is the cheapest solution and is the most commonly used in warehouses.



2 Tilt gate

The tilt gate works like a cargo lock that moves over the goods. This creates a safe area for the goods to be transported that is protected in accordance with health and safety guidelines. The tilt gate can be placed in the correct position with an easy hand movement and the goods can be removed safely. It is clear where and when the goods can be delivered or taken away. This pallet handling system is the safest system to place goods on the mezzanine. Your goods are always placed in a protected area.



3 Swing gate

The hinges of the swing gate are self-closing, making it easy for one person to operate the pallet area.



4 Removable railings

In some cases, fixed railings are not desirable and a pallet handling system takes up too much space. In such cases, removable railing is used.

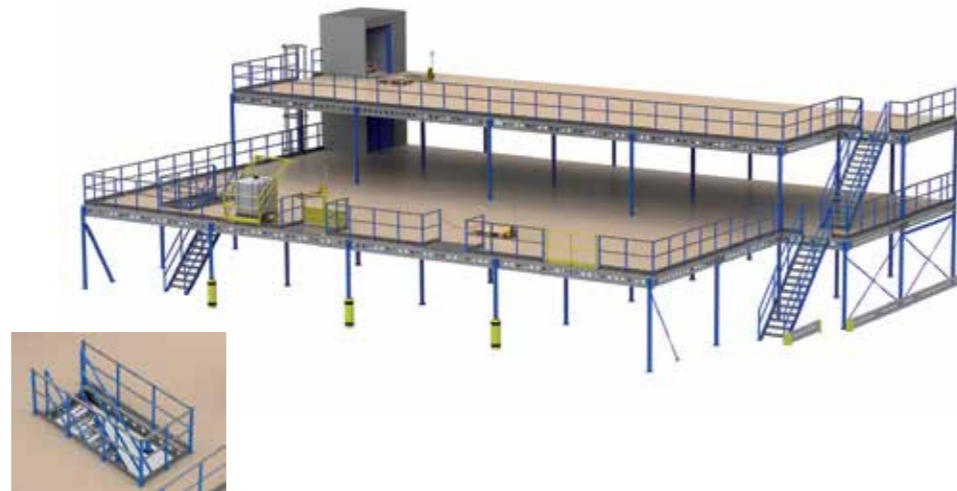


Color selection

The Nolte Mezzanine floor systems is available in the following standard colours. A combination of these colours is also possible (columns, railings, stairs). If desired, a Nolte Mezzanine floor system can be supplied in your house colours or in any desired RAL colour (by request).

Blue RAL 5010

Column	Blue RAL 5010
Railings (posts)	Blue RAL 5010
Handrail / knee rail	Galvanized
Toe board	Galvanized
Floor edge	Galvanized
Staircase	Blue RAL 5010
(standard design)	



Grey RAL 7035/RAL 7016

Column	Grey 7035/7016
Railings (posts)	Grey RAL 7035/7016
Handrail / knee rail	Galvanized
Toe board	Galvanized
Floor edge	Galvanized
Staircase	Grey 7035/7016
(standard design)	



White RAL 9010

Column	White RAL 9010
Railings (posts)	White RAL 9010
Handrail / knee rail	Galvanized
Toe board	Galvanized
Floor edge	Galvanized
Staircase	White RAL 9010
(standard design)	

Our goal is to exceed our customers' expectations by providing excellent service, **quality**, innovation and **efficiency** with our solutions!

Brief summary of

Nolte Mezzanine:

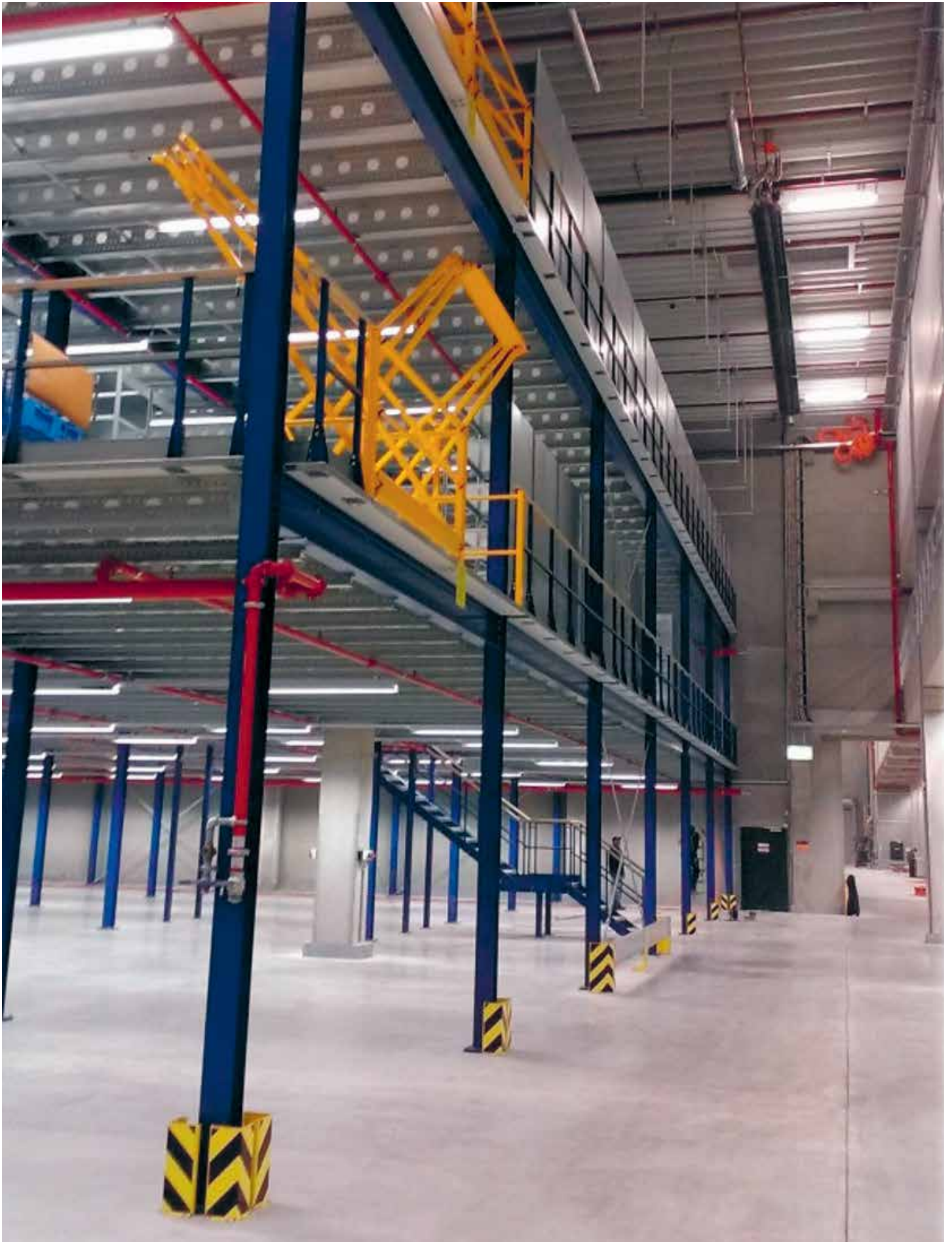
- Specialist in cold and hot-tempered steel profiles
- Production in own management
- Unique flooring profile enables pipe transit without height loss
- Specialism and customized solutions for every branch
- Delivery and production on customer request
- Use of 3D drawings
- CE approved floors
- Load capacity available from 250kg/m² till max 2500kg/m²
- Floor area available from 20+/- m² till 10.000+ m²

Nolte Mezzanine has experience in the following industries:

- Warehouse
- Retail
- Production
- Office / storage
- Clothing industry
- Car industry
- Self-storage
- Logistical solutions
- Air and sea ports
- Government and Public Partnerships
- Real estate

Here is an overview of a few large and medium sized companies that use a large number of Nolte Mezzanine floor systems:

- | | |
|------------|------------------|
| • Swisslog | • Homag |
| • Dematic | • Airbus |
| • Witron | • Timberland |
| • Bito | • H&M |
| • Dexion | • Kuehne + Nagel |



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