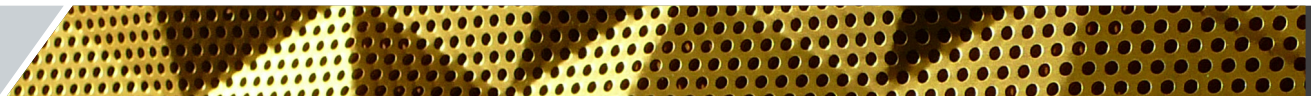
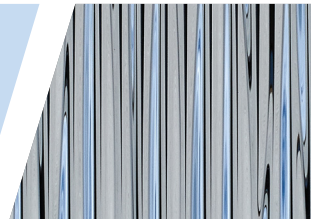
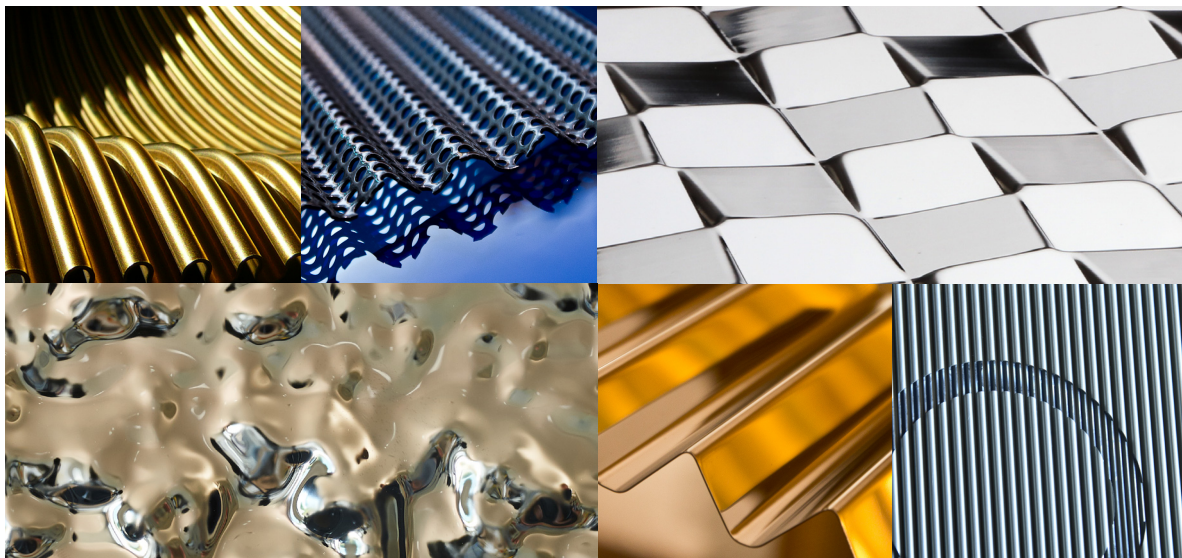


FIELITZ





# FIELITZ

## Area of application

- Architecture
- Design
- Interior design
- Shop design
- Interior finishing for ships
- Light technology

## Outdoor:

- Facades
- Sun screens
- Balustrades
- Canopies

## Inside:

- Ceilings / chilled ceilings
- Acoustic elements
- Wall paneling
- Doors
- Column claddings
- Furniture

We develop and supply various metallic structures and surfaces by deforming flat metals for exclusive architectural demands. Our aim is to design distinctive, exceptional and bespoke solutions made of aluminium, stainless steel, steel, copper, brass etc.

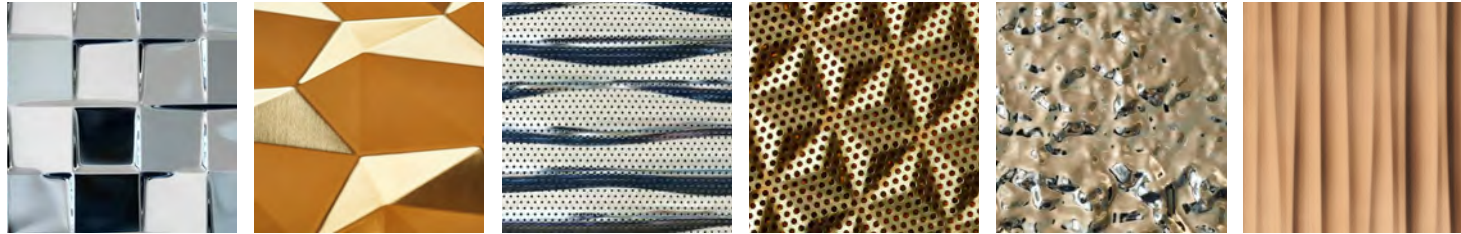
We offer a variety of available technologies in order to realize your ideas and designs.

Our service goes beyond 3-dimensional forming and provides, amongst other things, the following processing capabilities in order to be able to supply customers with pre-finished solutions:

- 2D/3D laser cuttings
- Edging/Bending
- Swing and roll bending
- Milling
- Threaded bolt technology
- etc.

- Anodisation
- Powder coating
- Lacquer finish
- Mirror polishing
- PVD-TiN coating
- Glass bead blasting
- Grinded/Brushed
- etc.

## An overview of our product world



### 3D Plates

Our 3D Plates offer an inexhaustible range of form diversity for the architectural design.

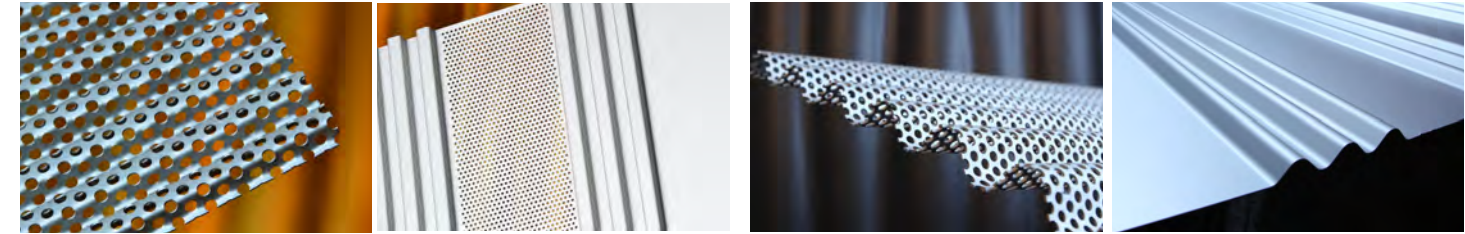
#### 2 x 4 meters

Large-size elements up to 2000 mm by 4000 mm can be produced from aluminium, stainless steel, steel, copper, brass perforated and non-perforated surfaces.

Our guiding principle is to create individual architectural solutions with highly distinctive features. The applied modern fluid technology allows gentle processing of all metals and surfaces. The flow properties of the metals exceed all expectations under very high compressive forces. This energy-optimized forming results in 3D elements of the highest perfection and a mixture of clarity and pure aesthetics.

An important aim of 3D design is to achieve a higher level of stability in the base material without negatively impacting on the applied surface. With more pronounced 3D designs, the desired surface can be added to the product afterwards.

Cost-saving weight reductions are the basis of 3D technology.



### Web Plates

Classic meandering form made from all metallic materials with such remarkable versatility that no creative desire is left unsatisfied: highly precise, delicate structures for interior design and styling ("small Web Plates") as well as more robust geometries for outside architecture that can be subjected to high stresses ("medium Web Plates" and "large Web Plates") round off this product family. The advantages of this technology include free programmability of form and design within the elements as well as customised hole patterns.

All of the technically feasible surfaces of the metals used such as steel, stainless steel, aluminium, copper, brass and zinc enable the creation of architectural elements with incomparable aesthetic qualities.

### Profile Plates

Due to the diversity of basic geometries of the profile plates, a variety of waveforms can be economically created by using various designs within one element.

The steepness and number of the waves significantly determine the weight reduction that can be achieved by a single element. We gladly support you with our know-how in order to work with the metals used in a sustainable and expedient way.

Our team has over 30 years' experience in the development and production of complex metal forms with demanding technical and creative requirements.



## Different surface treatments



### Super mirror polished surfaces

Multiple polishing machines enable Fielitz Ltd. to have a high production depth, various surface finishes, and sufficient capacity for our 3D Plates.

#### Qualities of polished surfaces:

Stainless steel, industrial-polished directionless, no.7  
Glossy/mirror polished, no. 8 (Super Mirror 2P)  
Glossy/mirror polished, no. 10 (Perfect Mirror)  
Brass, bright rolled, bright rolled, high gloss polish



### Grinded surfaces

Grinding is a clamp stripping manufacturing process via which various grinding patterns can be achieved using different grinding agents, machines, and machine parameters

#### Grinding pattern:

Vibration grinding  
Brushed lengthwise  
Wet grinding  
Cross section grinding  
Hairline finish

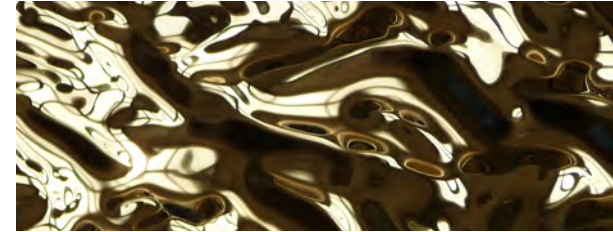


### Blasted surfaces

Particularly suitable for achieving uniform, homogeneous surfaces. The roughness, the degree of gloss, and the visual impression provide a basis for inspection checks.

#### Blasting agents:

Glass beads (very fine to coarse)  
Cullet (very fine to coarse)  
Ceramic beads (very fine to coarse)  
White corundum (very fine to coarse)  
Silicon (very fine to coarse)



### PVD - Titanium nitride coatings

The PVD-TiN coating of large surfaces (sheets) using ARC evaporation, which evaporates the solid, the so-called target, via an electric arc.

By utilizing suitable reactive gases, different temperatures, and other machine parameters, a chemical compound of metal and non-metal is coated onto the sheet. Various colours can be obtained in this manner:

gold, rose-gold, brass  
champagne, bronze, copper  
and black



### Anti-fingerprint coating

An invisible permanent protection for decorative metal surfaces. It is resistant to fingerprints, graffiti and general contamination. This coating maintains the attractiveness and minimizes the costs of cleaning and maintenance.

#### Characteristics:

Colourless and transparent  
Also available in all RAL colors.  
Anorganic, Food-safe,  
Looks and feels unobtrusive,  
Resistant to UV and aging processes,  
Resistant to water and dirt,  
Adheres firmly to the surface without cracking or flaking.



### Anodization + Powder coating

A variety of different **anodized** surfaces can be provided by Fielitz Ltd. Due to different surface structures and the corresponding pigments, almost all surface effects can be achieved.

**Colors:** RAL, RDS, NCS, Metallics, DB colors, special colors

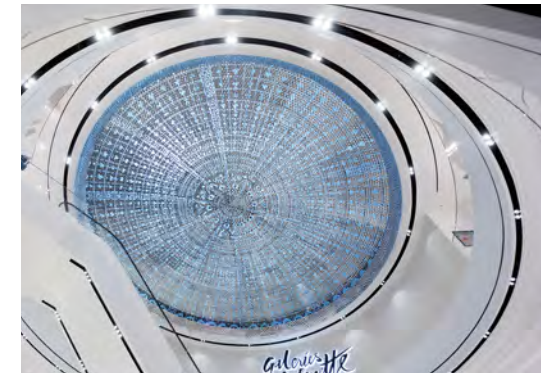
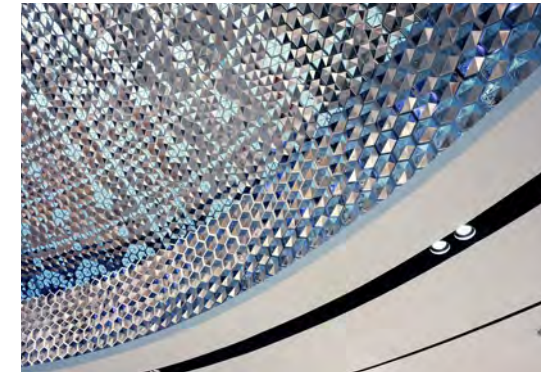
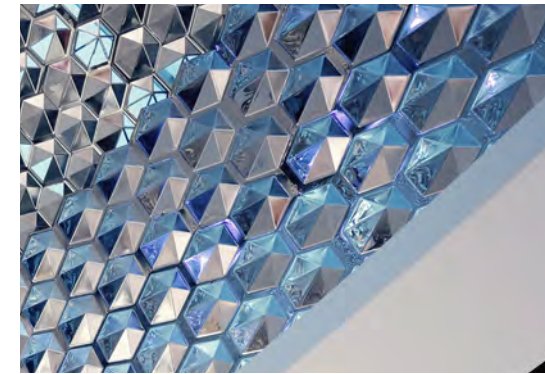
**Structure:** Smooth, structure, fine structure, hammered structure, rubber coating

**Gloss level:** Glossy, Semi-glossy, Matt, Semi-matt





## Galleries Lafayette, Istanbul



### Ceiling elements

**Type:** 3D Plate  
„Crystal 100ps“

**Material:** Stainless steel,  
t = 1,0 mm

**Perforation:** Individual by  
laser cutting

**Surface:** Mirror polished

**Architecture:** Plajer & Franz  
Studio, Berlin

**Photo:** Plajer & Franz  
Studio, Berlin





## Boon the Shop, Seoul



### Facade panels and interior wall cladding

**Type:** 3D Plate  
„T2/3“

**Material:** Stainless steel,  
t = 1,0 mm

**Perforation:** Rv 2,0 - 4,0  
only interior

**Surface:** Mirror polished,  
No 8 and blasted

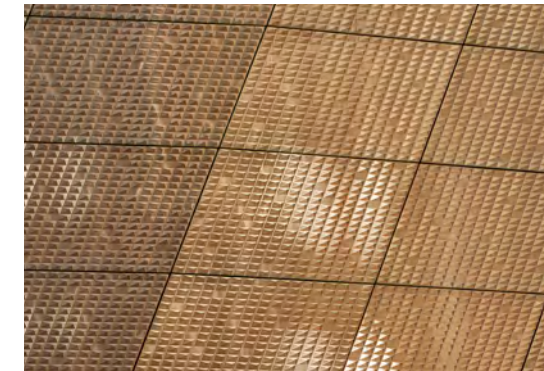
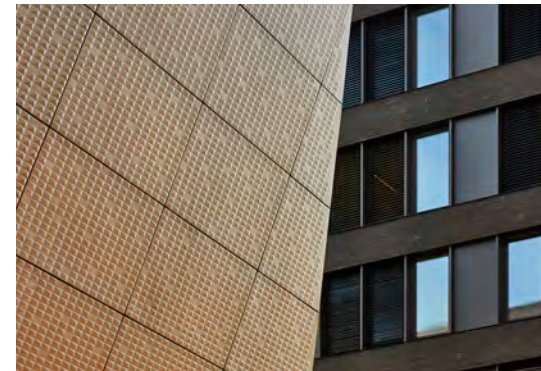
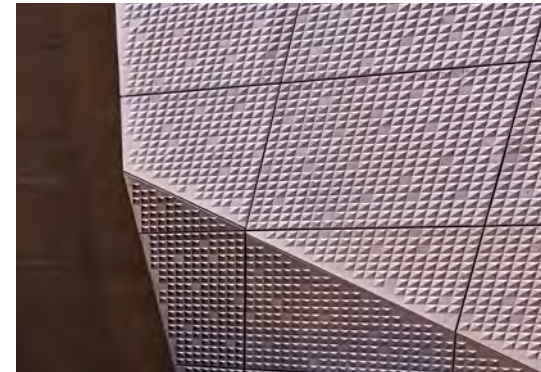
**Architecture:** Peter Marino  
Architects

**Photo:** Namsun Lee





## House of Arts and the Students, Luxembourg



### cladding panels

**Type:** 3D Plate  
„Crystal Lux“

**Material:** stainless steel,  
t = 1,0 mm

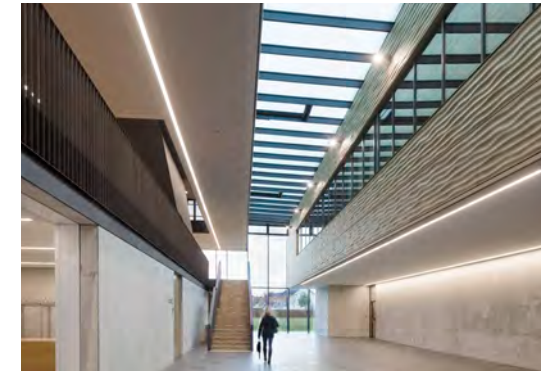
**Surface:** hairline, PVD bronze

**Architecture:** Atelier d'Architecture  
& de Design Jim  
Clemes +  
Witry & Witry  
architecture urbanisme





## KIZ-University, Erfurt



Wall and cladding panels,  
perforated

**Type:** 3D Plate  
„Waterwave KIZ“

**Material:** Aluminium  
t = 3,0 mm

**Perforation:** Rv 5,0 - 10,0 mm

**Surface:** anodized  
E6/EV2

**Architecture:** Nickl & Partners,  
Berlin

**Photo:** Werner Hutmacher,  
Berlin





## German Medical History Museum, Ingolstadt



### Facade panels

**Type:** 3D Plate  
„Waterwave DMI“

**Material:** Aluminium,  
t = 2,0 mm

**Surface:** anodized  
EO/S120-2,5

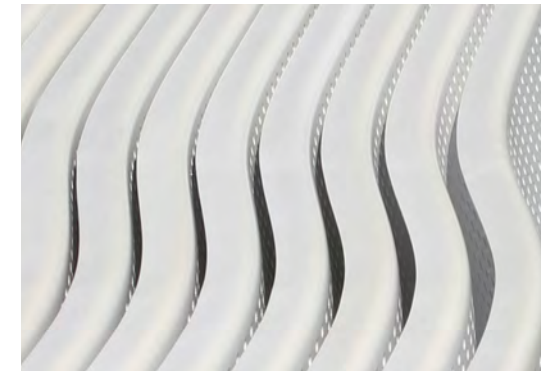
**Architecture:** Staab  
Architekten, Berlin

**Photo:** Marcus Ebener  
Fotografie, Berlin





## Hypo NOE Group, St. Poelten



### Cladding panels, perforated

**Type:** 3D Plate  
„Dune St. Poelten“

**Material:** Aluminium  
t = 3,0 mm

**Particularity:** 3D-folded on all four sides

**Perforation:** Rv 5,0 - 10,0 mm

**Surface:** Duraflon® coated  
„ghost blue“  
perlmutt

**Architecture:** Zieser ZT Ltd.,  
Vienna

**Photo:** Rupert Steiner,  
Vienna





## Ritz Carlton, Moskau



### Counter panelling

**Type:** 3D Plate  
„Crystal 100“

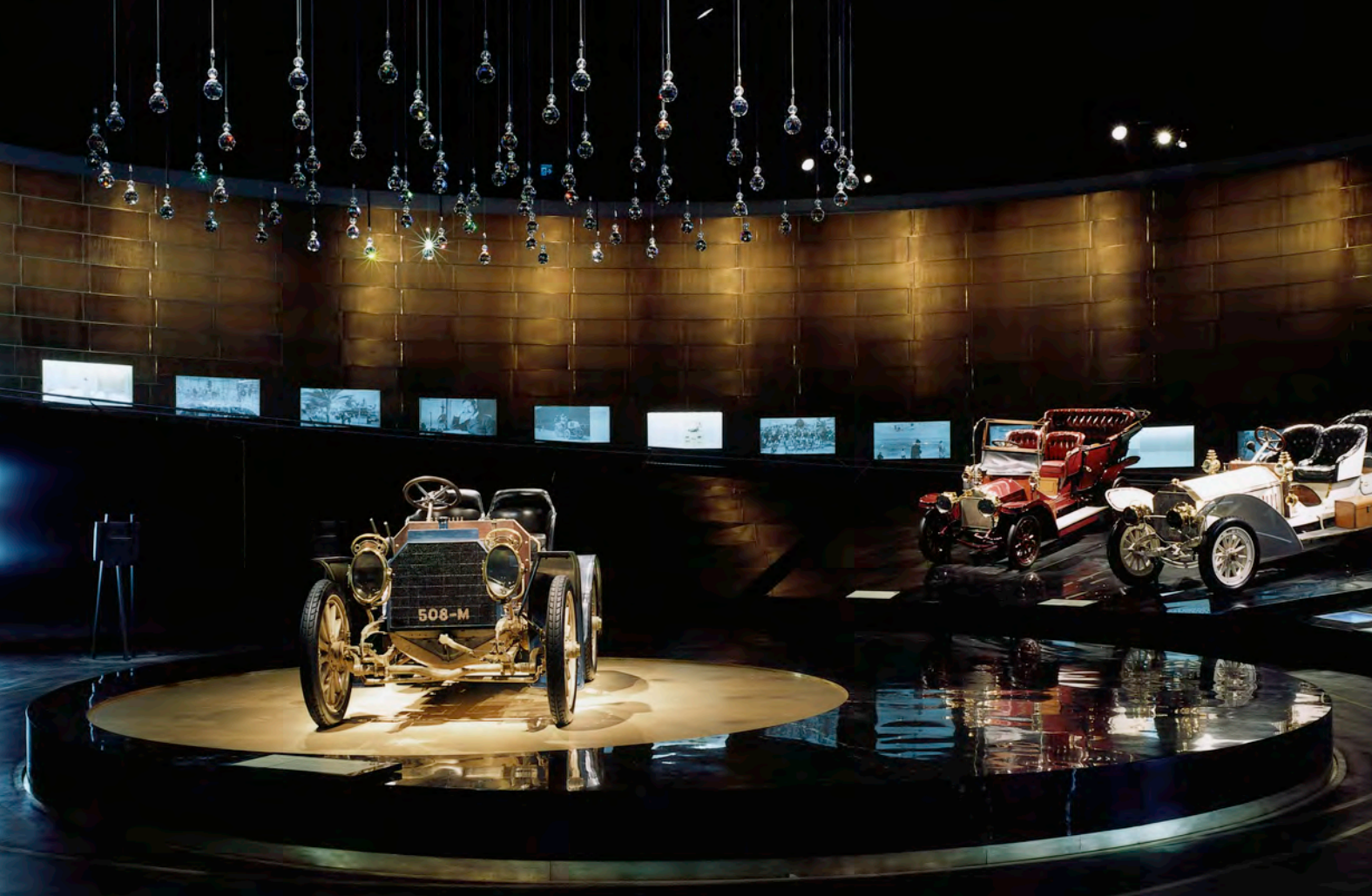
**Material:** Stainless steel  
t = 1,0 mm

**Surface:** PVD-TiN coated  
bronze, hairline

**Architecture:** destilat Design  
Studio, Vienna

**Photo:** Monika Nguyen,  
Austria





## Mercedes Benz Museum, Stuttgart



### Wall panels

**Type:** Web Plate medium  
„F 1408“

**Material:** Brass,  
t = 0,7 mm

**Surface:** Brushed K-240,  
partially patinated

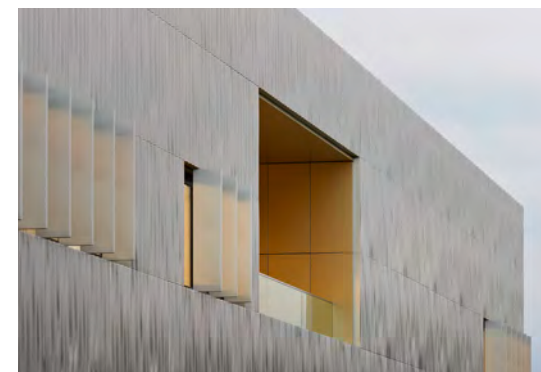
**Architecture:** UN Studio,  
Amsterdam  
& HG Merz  
Architekten, Stuttgart

**Photo:** HG Merz Architekten,  
Stuttgart



1st Steel Innovation Prize  
2015

## ThyssenKrupp Day Nursery, Essen



### Cladding panels, perforated

**Type:** 3D Plate  
„Waterwave TKQ“

**Material:** Stainless steel,  
t = 1,0 mm

**Perforation:** Rd 3,0 - 6,0 mm

**Surface:** brushed K-240

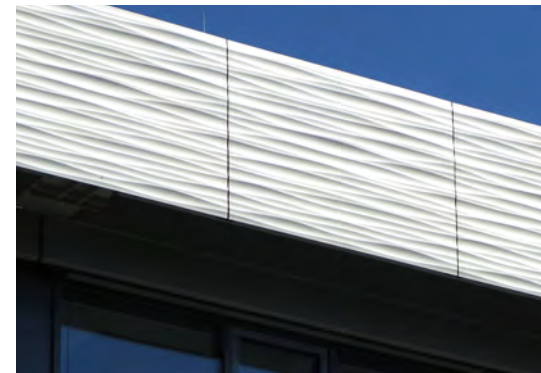
**Architecture:** JSWD Architekten,  
Cologne

**Photo:** Thomas Lewandovski,  
Halle  
Michael Wolff,  
Frankfurt/Main





## School Centre, Ottobeuren



### Cladding panels

**Type:** 3D Plate  
„Waterwave SZO“

**Material:** Aluminium  
t = 2,0 mm

**Surface:** Duraflon®  
sand gold

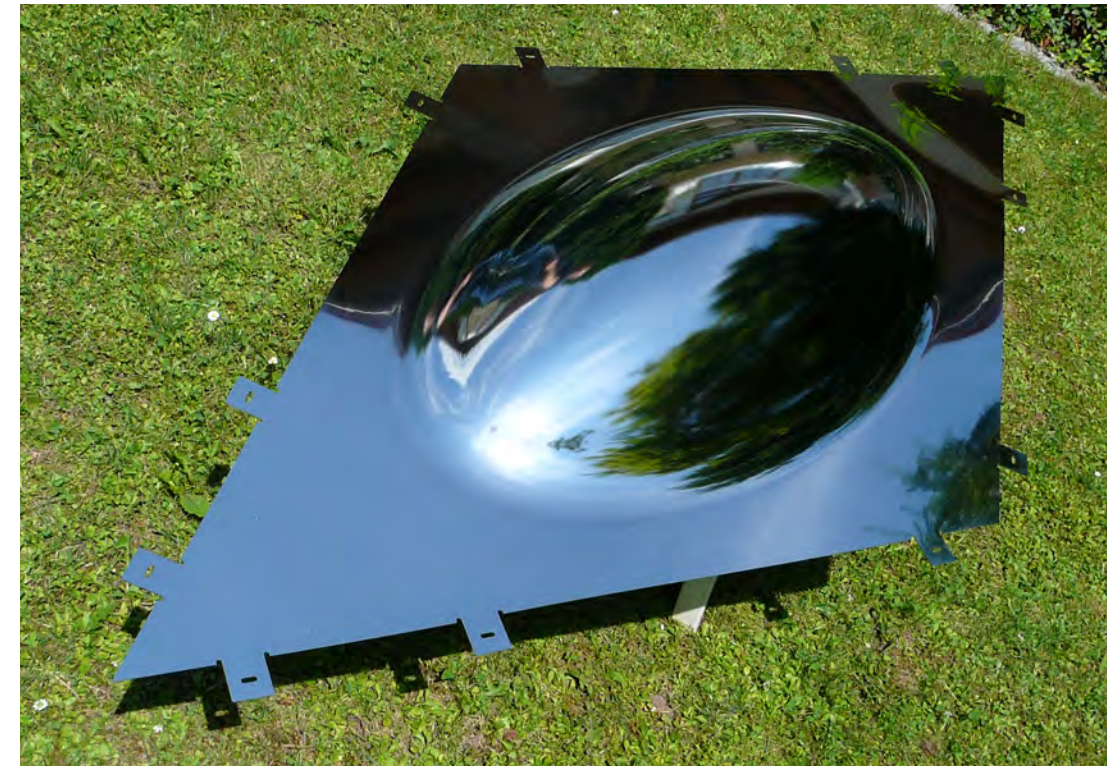
**Architecture:** Grug Grossmann,  
Munich

**Photo:** Grug Grossmann,  
Munich





## The Avenues, Kuwait



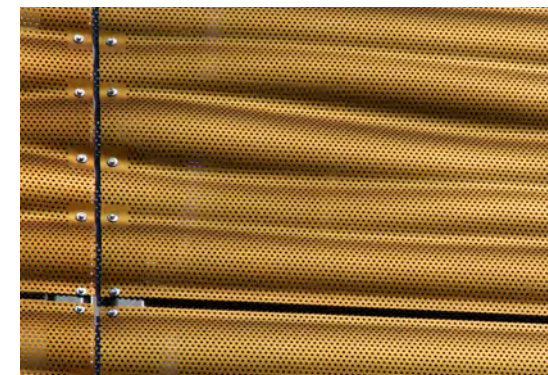
### Ceiling panels, illuminated

Type:	3D Plate „Dome“
Material:	Stainless steel, t = 1,5 mm
Surface:	Electro polished
Architecture:	Gensler, London
Photo:	The Avenues, Mabane Co.





## Car Park, Nuremberg



### Facade panels, perforated

**Type:** 3D Plate  
„Waterwave Vision“

**Material:** Aluminium,  
t = 3,0 mm

**Perforation:** Rv 5,0 - 10,0 mm

**Surface:** anodized  
E0/S120-0,5

**Architecture:** JGT-Architekten,  
Nuremberg

**Photo:** Goldbeck, Nuremberg





## M-Preis Hall, Tirol



### Ceiling elements

**Type:** 3D Plate  
„Dune medium“

**Material:** Aluminium  
t = 2,0 mm

**Surface:** Powder coated  
white

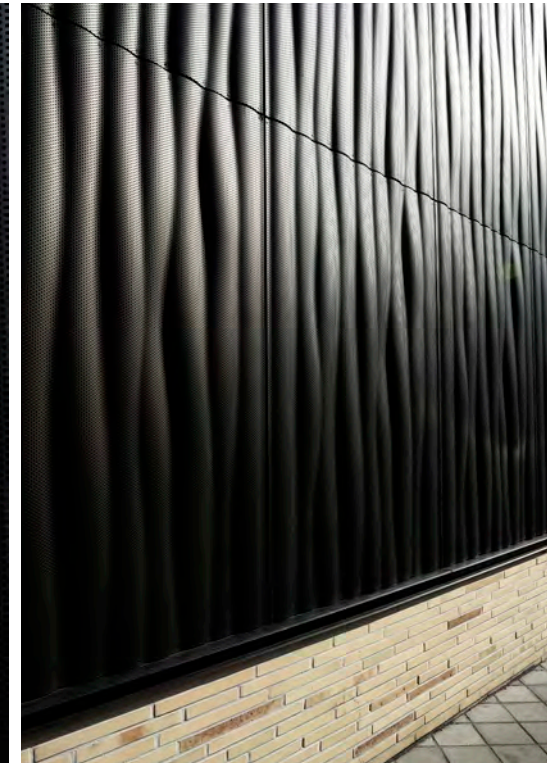
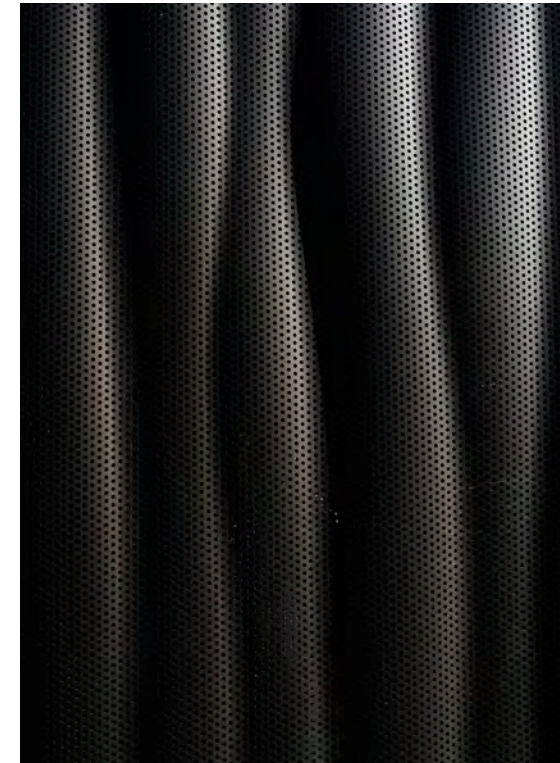
**Architecture:** M-Preis

**Photo:** Marcus Ebener  
Fotografie, Berlin





## Retirement Home, Dueren



### Cladding panels, perforated

**Type:** 3D Plate  
„Waterwave 3000“

**Material:** Aluminium,  
t = 3,0 mm

**Perforation:** Rv 5,0 - 10,0

**Surface:** anodized  
E6/C34

**Architecture:** JSWD-Architekten,  
Cologne

**Photo:** Christa Lachenmaier,  
Cologne





## HLS Herzig Ltd., Waldkirchen



### Wall and cladding panels

**Type:** 3D Plate  
„Dune medium“

**Material:** Stainless steel,  
t = 0,8 mm

**Surface:** Brushed K-240

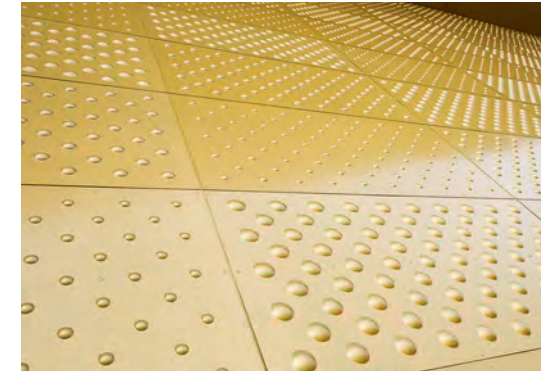
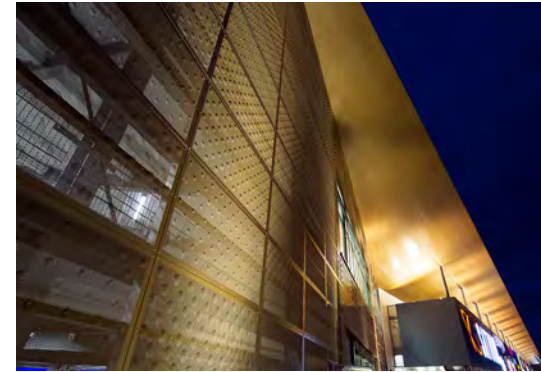
**Architecture:** HM Zeilberger,  
Salzweg

**Photo:** HLS Herzig Ltd.,  
Waldkirchen





## A2 Center, Altwarmbuechen



Cladding panels, perforated

**Type:** 3D Plate  
„Ball Segments“

**Material:** Aluminium,  
t = 2,0 + 3,0 mm

**Perforation:** Rv 8,0 - 10,0,

**Surface:** Powder coated

**Architecture:** Beier + Beck  
Architekten,  
Braunschweig

**Photo:** schoepe fotografie u.  
neue medien Ltd.,  
Schellerten





## Landmark 7, Hamburg



### Facade panels, perforated

**Type:** 3D Plate  
„Cloud“

**Material:** Aluminium,  
t = 3,0 mm

**Perforation:** Rv 5,0 - 10,0

**Surface:** Powder coating  
white

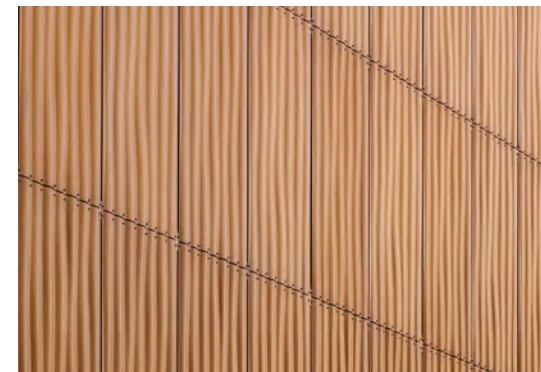
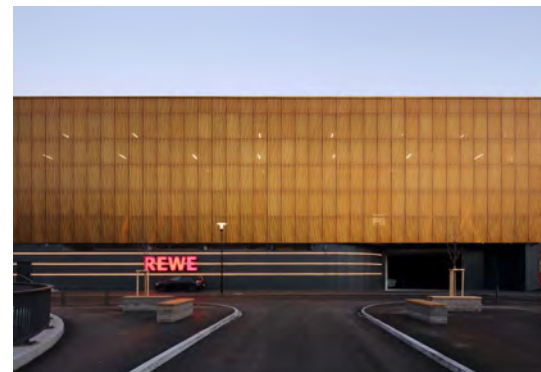
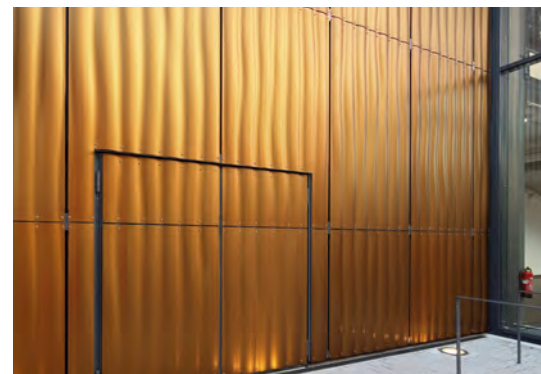
**Architecture:** hm architekten,  
Hamburg

**Photo:** Jan Haeslich  
Photographie,  
Hamburg





## REWE, Heidenheim



### Facade panels, perforated

**Type:** 3D Plate  
„Waterwave RH“

**Material:** Aluminium,  
t = 3,0 mm

**Perforation:** Rv 5,0 - 10,0

**Surface:** Anodized,  
Sandalar  
„E0/S 120-0,5“

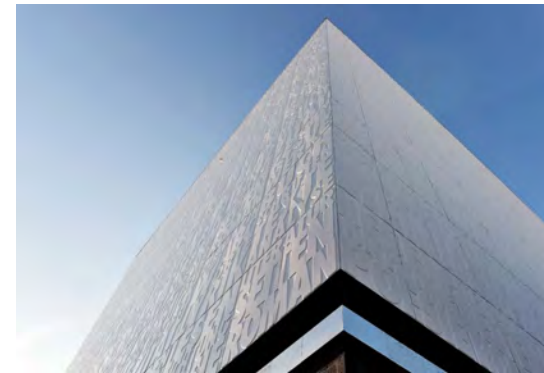
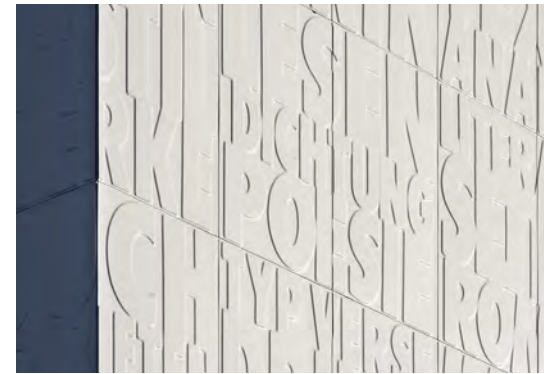
**Architecture:** merz objektbau,  
Aalen

**Photo:** David Matthiessen,  
Stuttgart





## Public and University Library, Bremen



### Facade panels

**Type:** 3D Plate  
„Character“

**Material:** Aluminium,  
t = 3,0 mm

**Surface:** Powder coated  
white

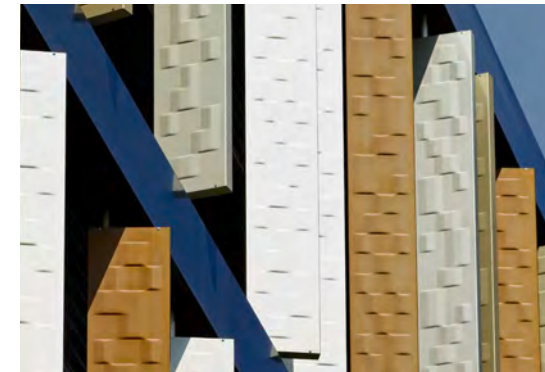
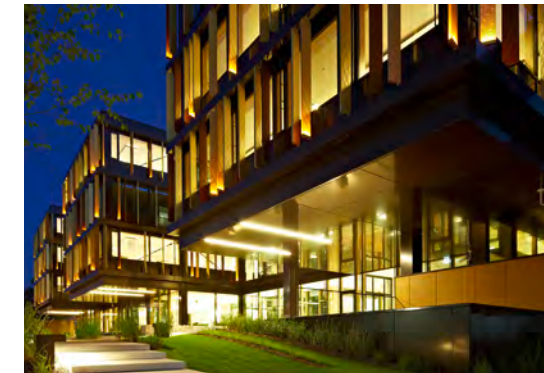
**Architecture:** HKP architects,  
Bremen

**Photo:** HKP Architects,  
Bremen





## lalux, Luxembourg



### Facade panels, perforated

**Type:** 3D Plate  
„lalux“

**Material:** Aluminium,  
t = 2,0 mm

**Surface:** Anodized,  
3 different colors

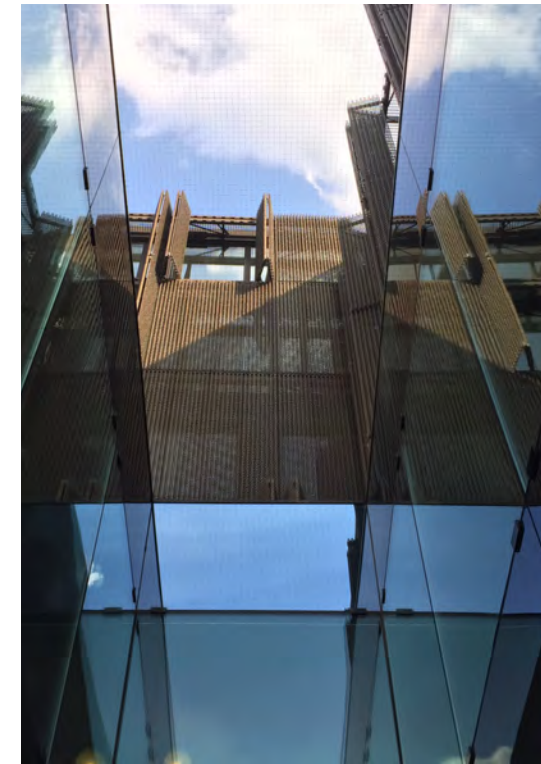
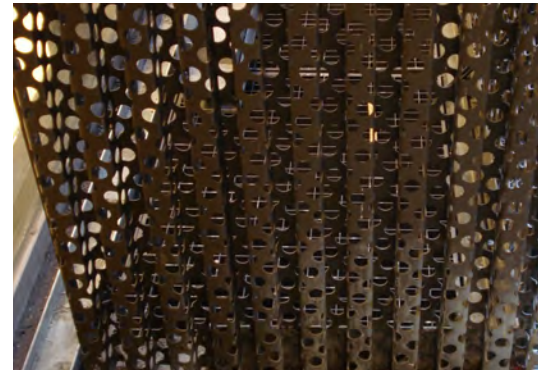
**Architecture:** Ateliard'Architecture  
& de Design Jim  
Clemes,  
Esch-sur-Alzette,  
Luxembourg

**Photo:** Robert Sprang, Egling





## City Arcade FÜNF HÖFE, Munich



Cladding panels, perforated

**Type:** Web Plate large  
„M 50/50/50“

**Material:** Brass,  
t = 2,0 mm

**Perforation:** Special perforation  
diameter 40 mm

**Architecture:** Herzog &  
de Meuron, Basel

**Photo:** Tim Brown  
Architecture & Fünf  
Höfe Ltd. & Co KG



Dune small



**Typ:** 3D Plate  
"Dune small"

**Material:** Stainless steel,  
t = 0,8 mm - 2,0 mm

**Surface finish:** PVD-TiN gold coated,  
mirror polished

**Photo:** Marc Wagener, Nuremberg

Dune small



**Typ:** 3D Plate  
"Dune small"

**Material:** Stainless steel,  
t = 0,8 mm - 2,0 mm

**Surface finish:** Mirror polished No 8

**Photo:** Marc Wagener, Nuremberg



Waterwave small



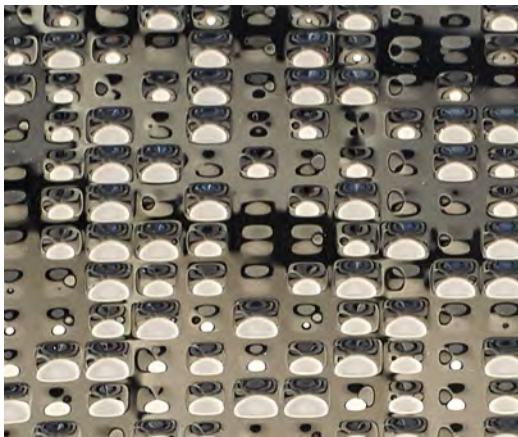
**Typ:** 3D Plate  
"Waterwave small"

**Material:** Stainless steel,  
t = 0,8 mm - 1,5 mm

**Surface finish:** PVD-TiN gold coated,  
mirror polished No. 8

**Photo:** Marc Wagener, Nuremberg

Matrix



**Typ:** 3D Plate  
"Matrix"

**Material:** Stainless steel,  
t = 0,8 mm

**Surface finish:** PVD-TiN gold coated,  
mirror polished No. 8

**Photo:** Marc Wagener, Nuremberg



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