

Light and Form in Perfection.



**Reference
Projects**

Reference Projects

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Lighting tubes

light + more for stations



From simple lighting tubes or hand-rails to complex media carrier systems, we offer a comprehensive portfolio of versatile solutions in aluminium and stainless steel for station platforms and many other applications.

Luminaires

for individual designs



In cooperation with architects and planners, we develop and manufacture project-related solutions for individual architectural lighting indoors and outdoors, as well as luminaires with special requirements and for technical purposes.

Metal Technology

innovative and precise



Whether for medical technology or mechanical engineering – we manufacture a wide variety of products from metal. The spectrum ranges from tailor-made cladding and fittings, to art and design objects, to contract manufacturing of components.



+ Recessed downlight PYCA 1p

With its dynamically dimmable light colour (warm white - cold white) and programmed light scenes PYCA enables the doctor to create a calm ambience with gentle and warm light as well as to switch to bright cold light with exact colour rendering for the purpose of examination.

Specifications: 48 W, max. 2200 lm at 2700 K / max. 2640 lm at 5700 K, CRI 90.

+ Wallwasher LYSO slope

Alternatingly directed wallwashers ensure a uniform and glare-free illumination over the full height of the wall and provide an attractive structuring of the elongated corridor by creating defined zones.

The light colour is circadianly adaptable, matching with daytime light colour.

Specifications: from 12 W (= 300mm long), max. 2200 lm at 2700 K / max. 2640 lm at bei 5700 K, CRI 90. Designer: Markus Bischof

+ Pendant luminaire LYSO line

This elegantly looking luminaire with its finely brushed surface and real glass diffuser creates a welcoming atmosphere at the reception counter and is also perfectly suitable for writing desks due to its slightly cooler light colour.

Specifications: 36 W, 4200 lm, 4000 K, CRI >80, 40 x 60 x 1210 mm. Designer: Markus Bischof

+ Interior planning: Manuela Bitsch-Kanitz, Nuremberg



Waiting room



Corridor with circadianly dimmable wallwashers



Reception counter and writing desk with LYSO line



Treatment table



Foto: N. Kazakov

- + **Linear lustres** for the illumination of the counter top surfaces:
suspended light bars with exactly adjusted geometry, light inserts with lamps CDM-R Mini, loudspeakers inserts
- + **Lighting design:** Conceptlicht, Traunreut
- + **Architecture:** Glahn Architekten, Berlin



Counters: linear lustre with curve



Cash desk area: straight linear lustre



Foto: N. Kazakov

- + **Linear lustre** (L= 23,4 m) for the illumination of the sales counters and the preparation area:
with integrated downlights, opaque luminaires, HIT-projectors and loudspeakers; all luminaires DALI dimmable (except HIT luminaires)
- + **Linear lustre** (L= 7,80 m) for the illumination of the entrance area:
with integrated ceiling floodlights and luminaires for general lighting and the illumination of the fountain and the night counter
- + **Lighting design:** Conceptlicht, Traunreut
- + **Architecture:** Glahn Architekten, Berlin



preparation area



historical drinking fountain



historical stucco ceiling in the entrance



Foto: Designyougo

- + **Indirect pendant luminaires** for the indirect general illumination of the flat:
high-voltage halogen luminaires, 2x 150W per luminaire, dimmable, either with track adapter or flange plate
- + **Architecture, lighting design:** Designyougo architects and designers, Berlin



Indirect pendant luminaire



Indirect luminaire with track adapter



+ Recessed downlights LYCA .tw

With its dynamically dimmable light colour (warm white - cold white) they provide a comfortable ambience in the club lounge, appetizing colours of the foods on the buffett as well as a relaxed atmosphere in the web lounge. The LYCA downlights are also installed in the hotel restaurant "5th Avenue".

Specifications:

LED, 20W, 1100lm, 1800-3050K, alternatively tunable white or monochrome white light colour.

Beam angle 2x10°

+ **Interior and lighting design:** Markus Bischof, Nuremberg



Lounge area with LYCA



Internet lounge with LYCA downlights



Warm white- cold white dimmable downlights LYCA



+ **Chandeliers:**

for the general illumination of the conference room, with direct table light 4x 65W Halogen, indirect ceiling illumination 8x 65W Halogen, indirect cove illumination 15x 65W Halogen and indirect stucco illumination 4x 39W T5

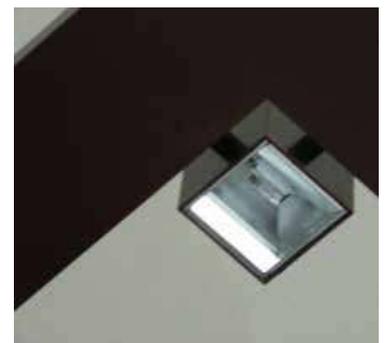
+ **Lighting design:** Conceptlicht, Traunreut



Direct and indirect components



Indirect ceiling illumination



Direct spotlight unit



+ **Pendant luminaires:**

for the general illumination of the hall, with direct light 300W Halogen and indirect light 2x 100W Halogen and 2x11W TCL

+ **Soffit lights:** for accent lighting of the window soffits, integrated in the window sills, 2x11W TC-L

+ **Lighting design:** Conceptlicht, Traunreut



Pendant luminaires



Soffit lights



Soffit light in the window sill



Foto: DLR

+ Expanded metal ceiling illumination

indirect illumination with blue graze light, directly underneath the ceiling at the long sides of the room.

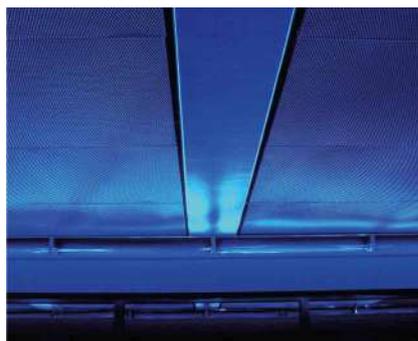
In total 36 asymmetrical ceiling grazers with trough reflectors, blue light colour, DALI controllable.

+ Lighting design: Lichttechnik Martin Klingler, Moosbach (A)

+ Architecture: Hassenzahl Architekten, Munic



Light channel with trough reflectors



Luminaires underneath the ceiling



Luminaires with grazing light

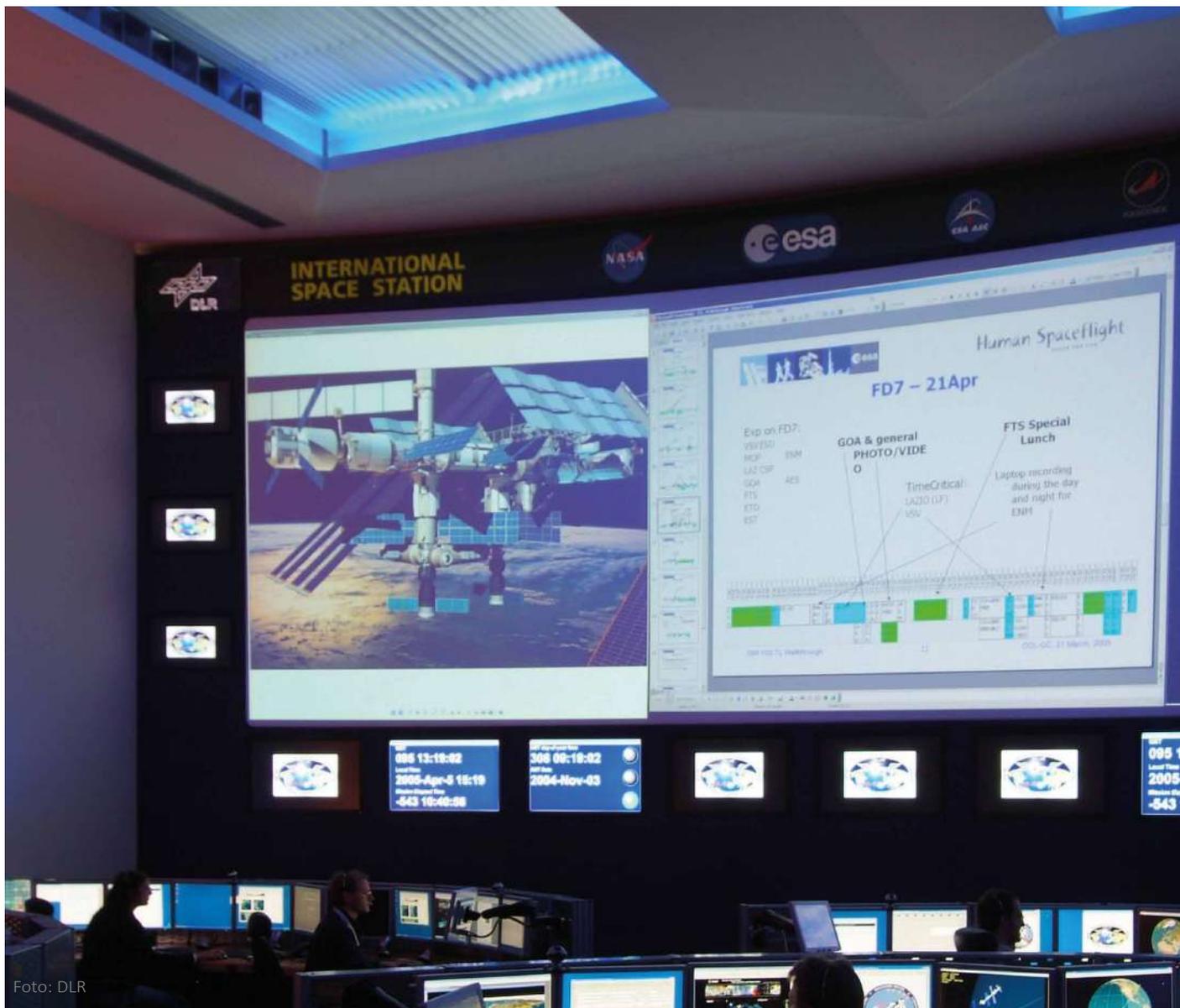


Foto: DLR

+ Artificial skylights:

Indirect general illumination of the control rooms without daylight, area of the specular lamellas 2.500 x 2.500 mm, lamps in each skylight: 10x HCI 35-150W (withe), 8x RGB-LED with control for colour effects, dimmable blue light T5, 4x 24W and 4x 54W

+ Wallwasher strip light: T8 58W

+ Light design: Lichttechnik Martin Klingler, Moosbach (A)

+ Architecture: Hassenzahl Architekten, München



Wallwasher strip light



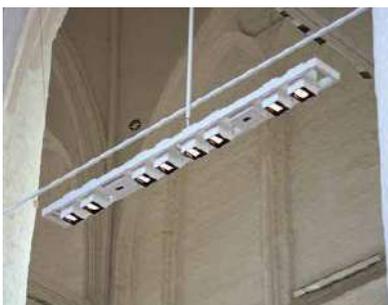
RGB LEDs



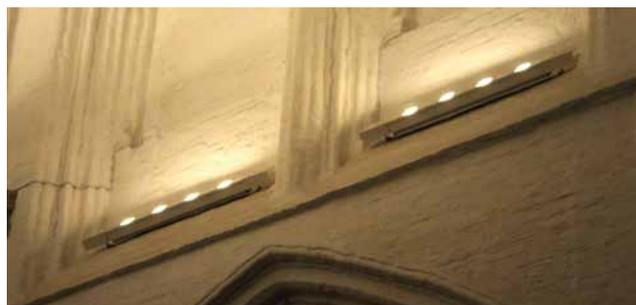
Artificial skylights with blue and withe light



- + **Pendant luminaires** below the arcades between the columns, for the illumination of the main nave and the side aisles: with 8 LED downlights each, with halogen-like dimming, asymmetrical reflectors and light masks resp. light traps, as well as 2 spotlights each
- + **Clerestory luminaires** for the illumination of the clerestory and vault area in the main nave: with 4 LED spotlights each, with halogen-like dimming function and symmetrical reflectors
- + **Floor channels** circumferential around the circular columns, for the integration of recessed LED luminaires for the illumination of the columns, as well as stands for loudspeakers and their cabling
- + **Lighting design:** Office Peter Andres, Hamburg



Pendant luminaires



Clerestory luminaires



Floor channel

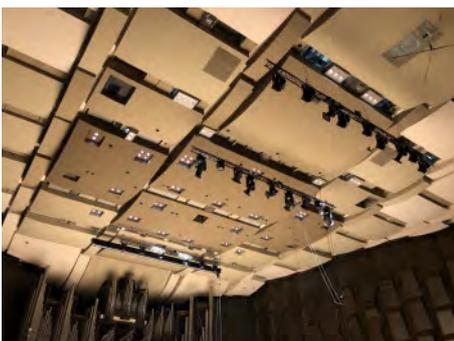


+ Indoor luminaires

The LED reflector luminaires are mounted in the existing ceiling recesses. They are rotatable and swiveling, and they are set further back inside the recesses to avoid distracting light phenomena such as glare and light haze.

+ **Lighting design:** Conceptlicht, Traunreut

+ **Architecture:** Ulrike Kabitzsch, Leipzig



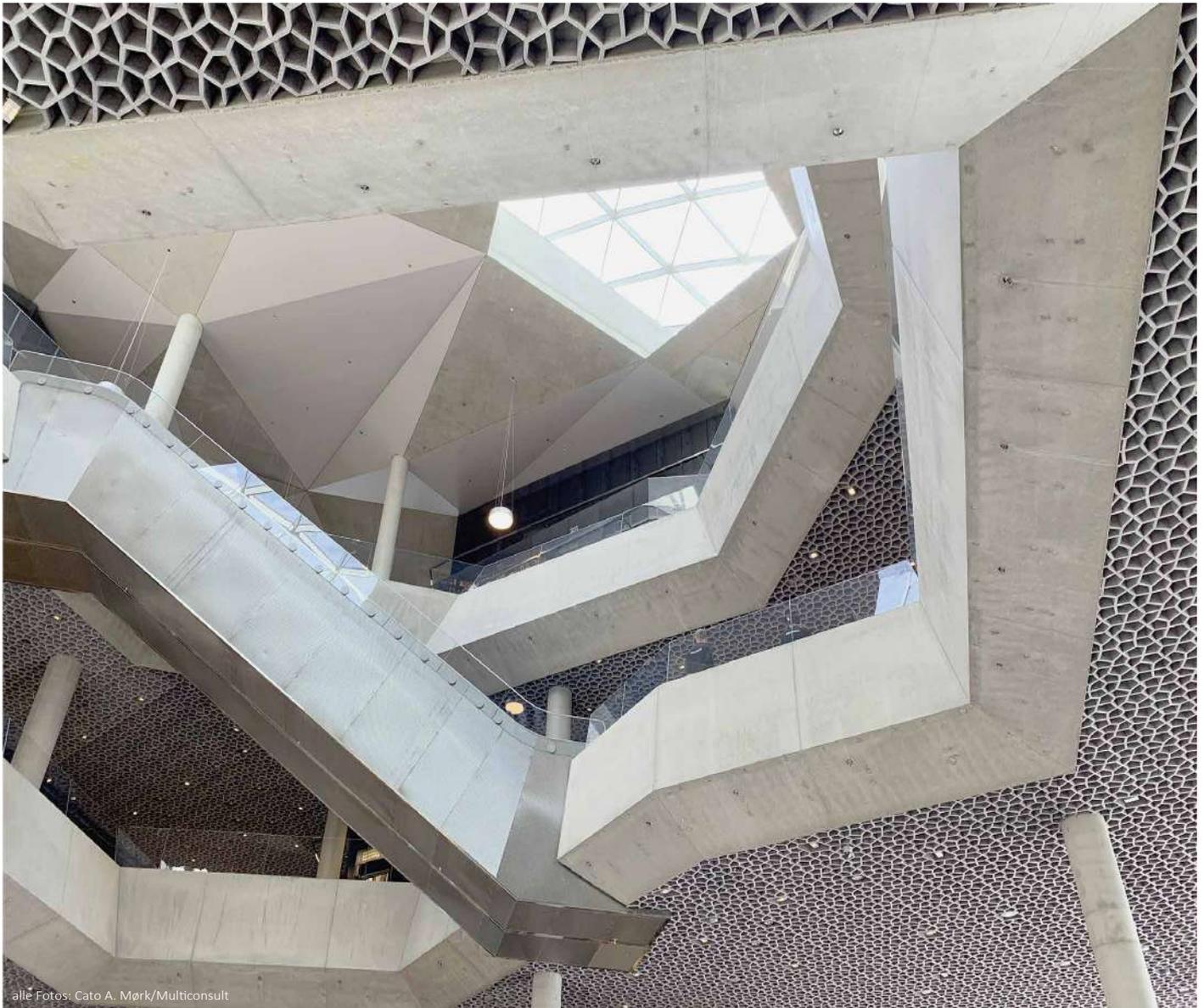


+ Direct/Indirect strip lights:

for general room illumination, mounted alongside the ceiling panels, direct and indirect light 80W T5

+ Architecture: S + P Gesellschaft von Architekten mbH





alle Fotos: Cato A. Mørk/Multiconsult

+ Indoor luminaires

in different areas of the library, e.g. the entrance level and foyer, reading room, etc. with PYCA downlights, mounted into the combs of the acoustic ceiling, furthermore MINI lado wallwasher for a uniform and glare-free wall illumination

+ **Lighting design:** Multiconsult

+ **Interior design:** Szenario interior designers MNIL

+ **Architecture:** Lund Hagem Architects / Atelier Oslo



PYCA ceiling luminaires in the foyer



PYCA luminaires in the ceiling combs



PYCA downlights above the reading desks



Foto: DLK

+ Foyer illumination:

Reflector sheets 1200 x 1200 mm with calottes 100 x 100 mm, narrow-beam projector units with triple wall console

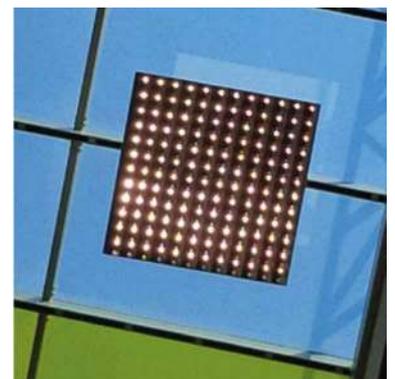
+ Architects: Schuster Pechthold Schmidt Architekten GmbH, Munic



Projectors with triple wall console



Projector unit



Reflector sheet



Foto: DLR

+ Atrium lighting:

Tree structures made of stainless steel tubes with specular reflectors, lamps 1x TC-L 18W

+ Corridor lighting: Wall luminaires with matt diffuser, lamps 1x TC-L 57W, dimmable 1-10V



Spotlight units with perforated covers



Spotlights in the tree structures



Corridor luminaire



+ **Glass canopy illumination:**

Light accents at the cantilever beams with laterally mounted high-voltage neon tubes

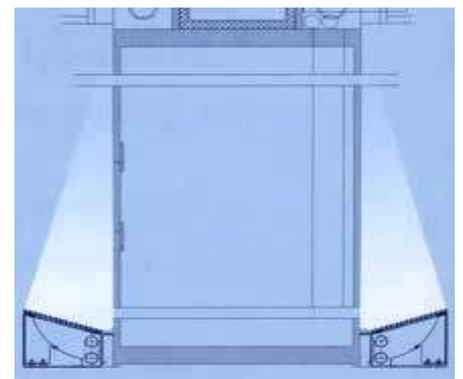
+ **Architecture:** Murphy Jahn Architects, Berlin



Exterior view



Detail view



Detail drawing



alle Fotos: J. Hempel, Aachen

+ Lighting tubes

PARA media channel with rhomboid cross-section and chamfered end covers. Two involute curves lead into each entrance. Lighting tube along the facade with 3 light components: facade illumination with LED wallwasher type SLOPE; walkway illumination with asymmetrical LED luminaires type VARYO; ceiling brightening by using LED luminaires with trough reflector. Lighting tube along the open side without wallwasher. Both tubes equipped with CCTV cameras, emergency lights and flashing lights, light colour circadianly controllable (HCL).

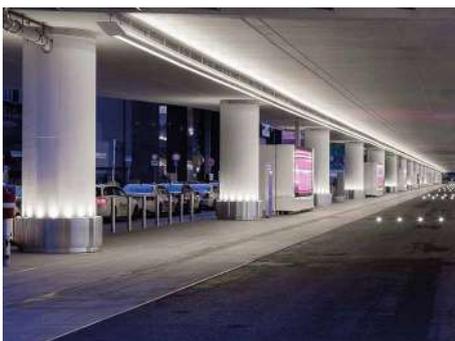
+ Column illumination

Column base cladding with stainless steel cylinders. Each unit holds 16 YECTO 1.R uplights with asymmetrical LED inserts for white or coloured light accents, controlled by DMX.

+ **Product design:** Markus Bischof

+ **Lighting design:** Martin Klingler

+ **Architecture:** Netzwerkarchitekten GmbH



YECTO 1.R uplights around the columns



Involute curved tubes at the entrances



PARA media channel with 3 light components



+ Leaf-shaped reflectors:

illuminated with projectors on stem-shaped masts, reflectors \varnothing 1200mm with symmetrical and asymmetrical calottes 100x100 mm

+ Lighting design: Studio DL, Heidelberg



5-units mast



4-units mast



3-units mast



Foto: Dreppenstedt

+ Colonnade illumination:

direct-indirect light strips with asymmetrical light distribution, lamp T5 54W / 80W and cross-blade louvre

+ Facade illumination:

various project-specific luminaire types: ceiling floodlights (HCI-TF); cupola spotlights (compact fluorescent lamp); tympanum spotlights, facade floodlights (CDM-T); light boxes and floodlights (Halogen)

+ Lighting design: Conceptlicht, Traunreut



Strip light in the colonnade



Facade floodlights in the colonnade roof



Mast top light box



+ Path illumination

YECTO .one spotlights illuminate the walkway along the outbuildings in the inner courtyard and at the meadow with warm white light.

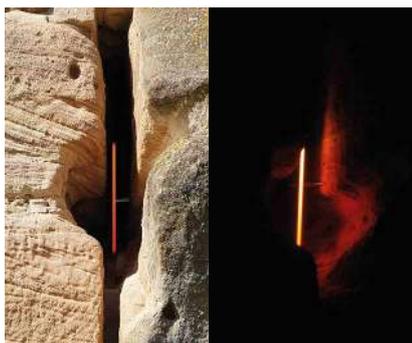
+ Facade illumination

50 facade floodlights in different variants: YECTO 1.R recessed floor uplight; YECTO 3.R and YECTO .one for mounting either at the facade, or onto bollards, or into floor tanks. Linear pixel light with colour gradient in the rock fissure. All luminaires with special red and orange coloured LEDs, optics adjusted to the light emission angles needed in each case.

+ Light control

PICOLighnode: works autarkic following preset dimming curves. The illumination is taken down with progressing nighttime.

+ Lighting design: Georgios Paissidis, Iva Vassileva



Pixel light in the rock fissure



YECTO 3.R at a facade



YECTO 1.R uplight at the porch



YECTO 3.R in a floor tank



Foto: Adel Bikulov/ gmp von Gerkan, Marg und Partner

+ Stadium exterior illumination

Minimised downlights and uplights for the illumination of the facade columns and the ten metre high steel lamellas; recessed ceiling luminaires in the cash cabins and the arcade area; mast luminaires at the forecourt; ceiling luminaires in the VIP parking garage

+ Park illumination

YECTO 1.R uplights with tree grate adaptors, asymmetrical luminaires SLOPE .o for mounting underneath the park benches, mast luminaires and light steels in various lengths, light bollards, wall floodlights, linear steplights, as well as a round ceiling light fixture.

+ **Lighting design:** Conceptlicht, Traunreut

+ **Architecture:** gmp von Gerkan, Marg und Partner



Foto: Adel Bikulov/ gmp von Gerkan, Marg und Partner

YECTO 1.R uplights in the tree grates



Foto: Adel Bikulov/ gmp von Gerkan, Marg und Partner

Round light fixture in the park



Foto: Haver & Boecker

Ceiling luminaires at the entrance



Foto: mm Photo

+ Platform lighting

Media channel round \varnothing 150mm type 1060, mounted with double pendulums to the steel structure, equipped with direct luminaires and loudspeakers.

+ Baffle illumination

Sections of lighting tube type 1060 with direct luminaires, mounted in a continuous row to the upper end of the baffle supports.



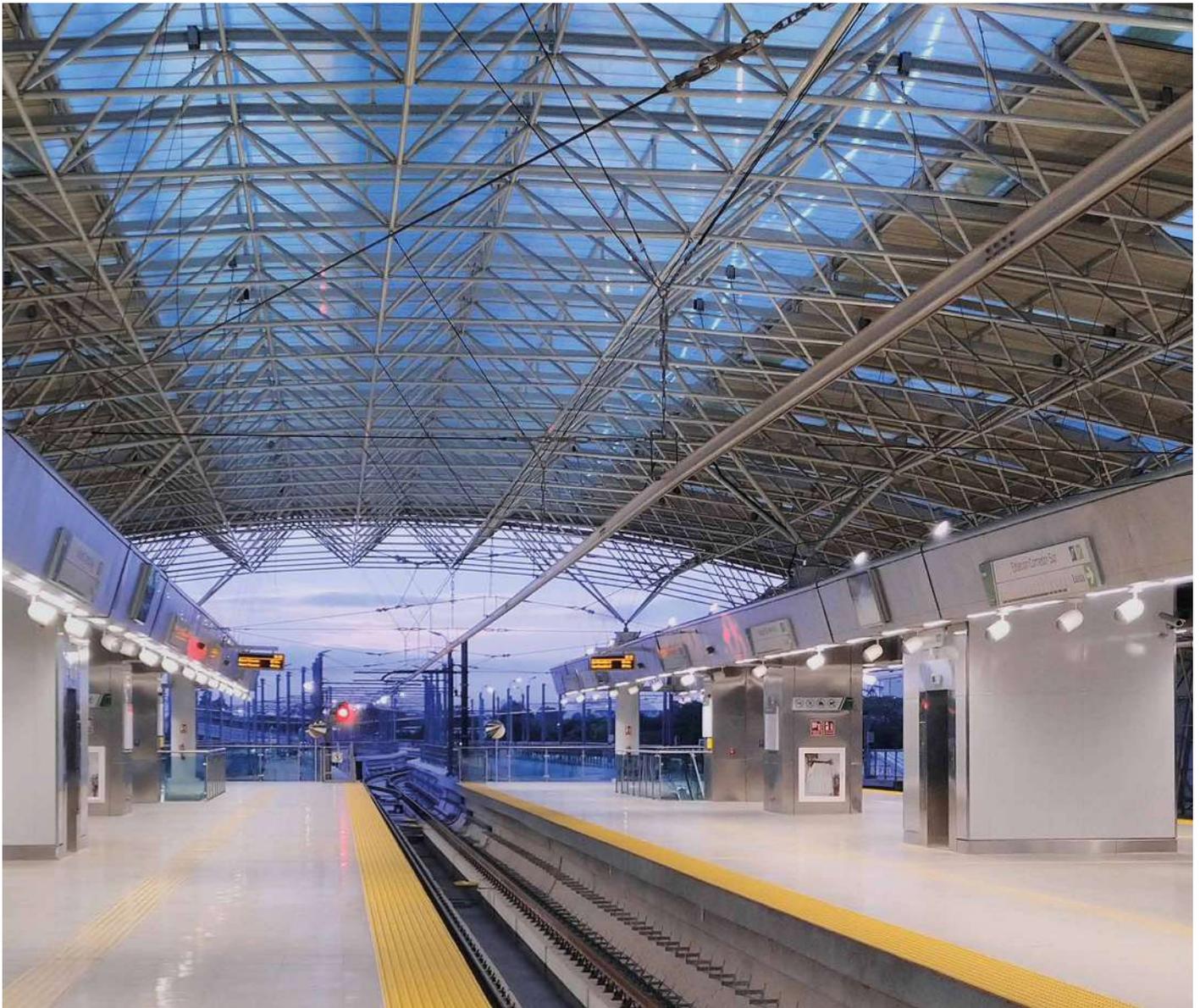
Baffle unit



Lighting tube at the baffle



Media channel at the platform



+ Platform lighting

Special solution of media channel with trapezoidal cross-section 700 x 905 mm, mounted with cantilevers to steel supports. Equipped with direct light inserts type VARYO II diverging in lengths and light distribution characteristics, the channel furthermore contains cable trays, supports for large screens, direction indicators, information panels, loudspeakers, emergency systems, fire detectors, cameras, WLAN and Radio antennas as well as indirect luminaires.

+ Metal work

Steel structures and stainless steel claddings of the supporting columns for the media channel, Columns with integrated fire extinguishing equipment, metal cladding of the elevators



Elevator and column claddings



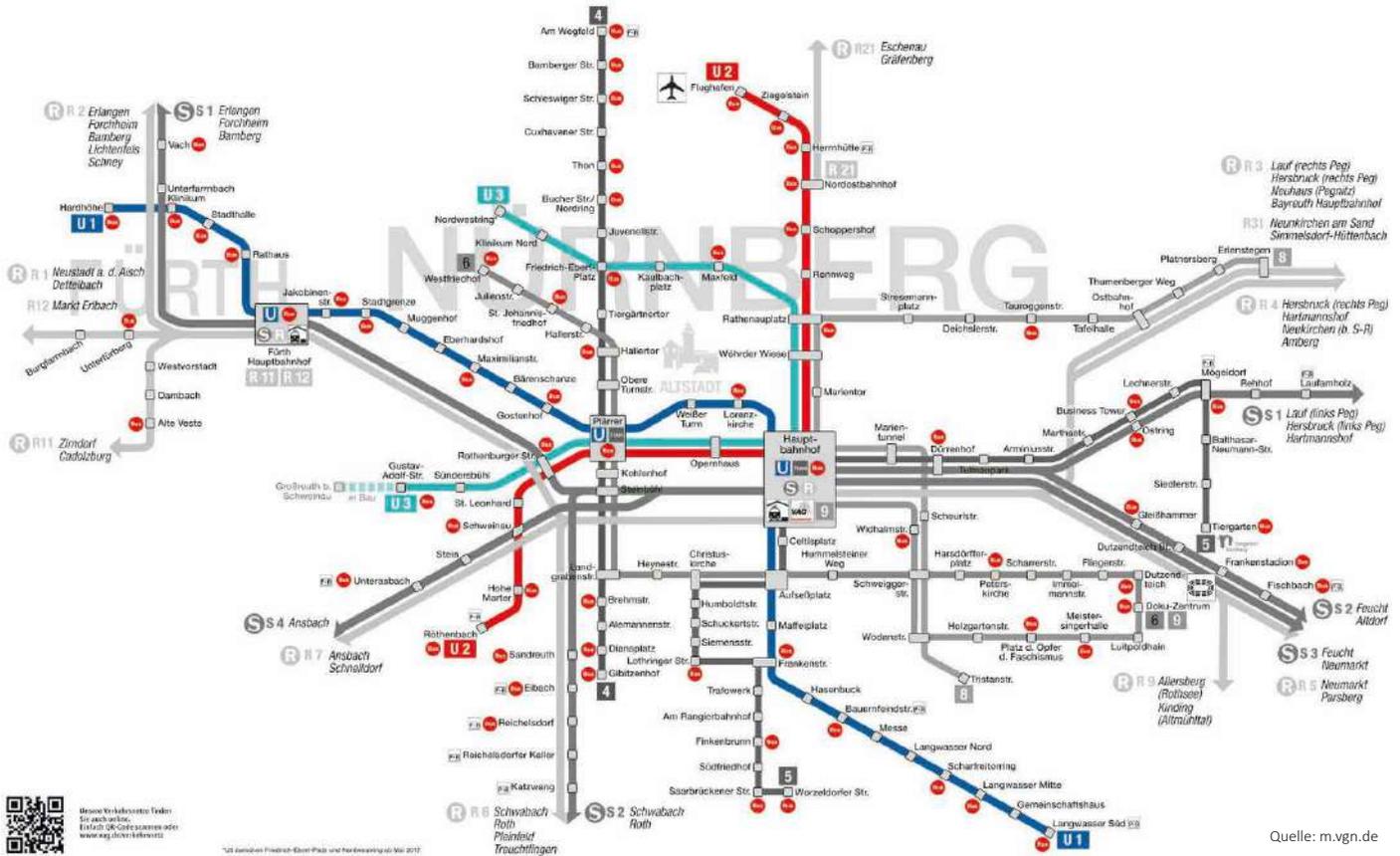
Columns, cantilevers and media channel



VARYO II



Media channel with luminaires and attachments



Quelle: m.vgn.de

LMT Products

Lighting tubes

- Nuremberg station Schweinau (1984) U2
- Nuremberg station Hohe Marter (1984) U2
- Nuremberg station Röthenbach (1985) U2
- Nuremberg station Hauptbahnhof (1988) U1 U2 U3
- Nuremberg station Rathenauplatz (1989) U1 U2 U3
- Nuremberg station Wöhrder Wiese (1990) U1 U2 U3
- Nuremberg station Rennweg (1991) U2
- Nuremberg station Schoppershof (1991) U2
- Nuremberg station Nordostbahnhof (1994) U2
- Nuremberg station Herrnhütte (1995) U2

- Nuremberg station Ziegelstein (1996) U2
- Nuremberg station Flughafen (1998) U2
- Fürth station Rathaus (1998) U1
- Fürth station Stadthalle (1998) U1
- Fürth station Klinikum (2001) U1
- Nuremberg station Friedrich-Ebert-Platz (2011) U3
- Nuremberg station Nordwestring (2017) U3
- Nuremberg station Klinikum Nord (2017) U3
- Nuremberg station Großreuth (2020) U3

Illuminated Handrails:

- Nuremberg station Langwasser Süd (1989) U1
- Nuremberg station Stadtgrenze (1990) U1
- Nuremberg station Langwasser Nord (1991) U1
- Nuremberg station Bauernfeindstraße (1991) U1
- Nuremberg station Schoppershof (1991) U2
- Nuremberg station Herrnhütte (1995) U2
- Nuremberg station Ziegelstein (1996) U2
- Nuremberg station Aufseßplatz (1998) U1
- Fürth station Rathaus (1998) U1

- Fürth station Stadthalle (1998) U1
- Fürth station Klinikum (2001) U1
- Nuremberg station Frankenstraße (2004) U1
- Nuremberg station Plärrer (2010) U1 U2 U3
- Nuremberg station Kaulbachplatz (2011) U3
- Nuremberg station Friedrich-Ebert-Platz (2011) U3
- Nuremberg station Klinikum Nord (2017) U3
- Nuremberg station Rathenauplatz (2019) U1 U2 U3
- Nuremberg station Großreuth/Tunnel (2020) U3

Luminaires and metal work:

- Nuremberg station Opernhaus light barrels (1985) U2 U3
- Fürth station Hauptbahnhof Recessed lighting channels and circular surface mounted lighting channels (1987) U1
- Nuremberg station Schoppershof steelrope artwork (1991) U2
- Fürth station Rathaus steel tube chandeliers (1998) U1

- Nuremberg station Gustav-Adolf-Straße metal elements for wall decoration (2001) U3
- Nuremberg station Weißer Turm Information bollard (2008) U1
- Nuremberg station Klinikum Nord barrier system, platform equipment, various metal work (2017) U3

Metro stations

Nuremberg + Fürth



N Hohe Marter



N Opernhaus



FÜ Hauptbahnhof



N Hauptbahnhof



N Rathenauplatz



N Wöhrder Wiese



N Rennweg



N Schoppershof



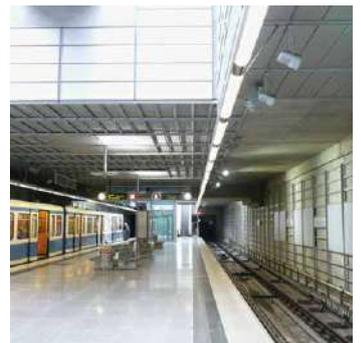
N Nordostbahnhof



N Herrnhütte



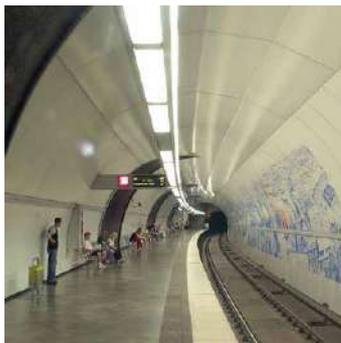
N Ziegelstein



N Flughafen



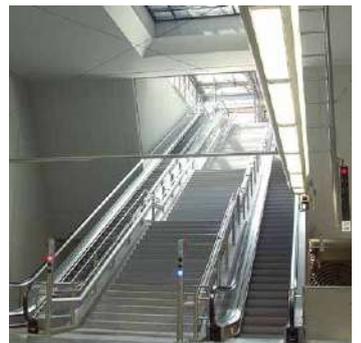
N Aufseßplatz



FÜ Rathaus



FÜ Stadthalle



FÜ Klinikum



N Gustav-Adolf-Straße



N Friedrich-Ebert-Platz



N Nordwestring



N Klinikum Nord

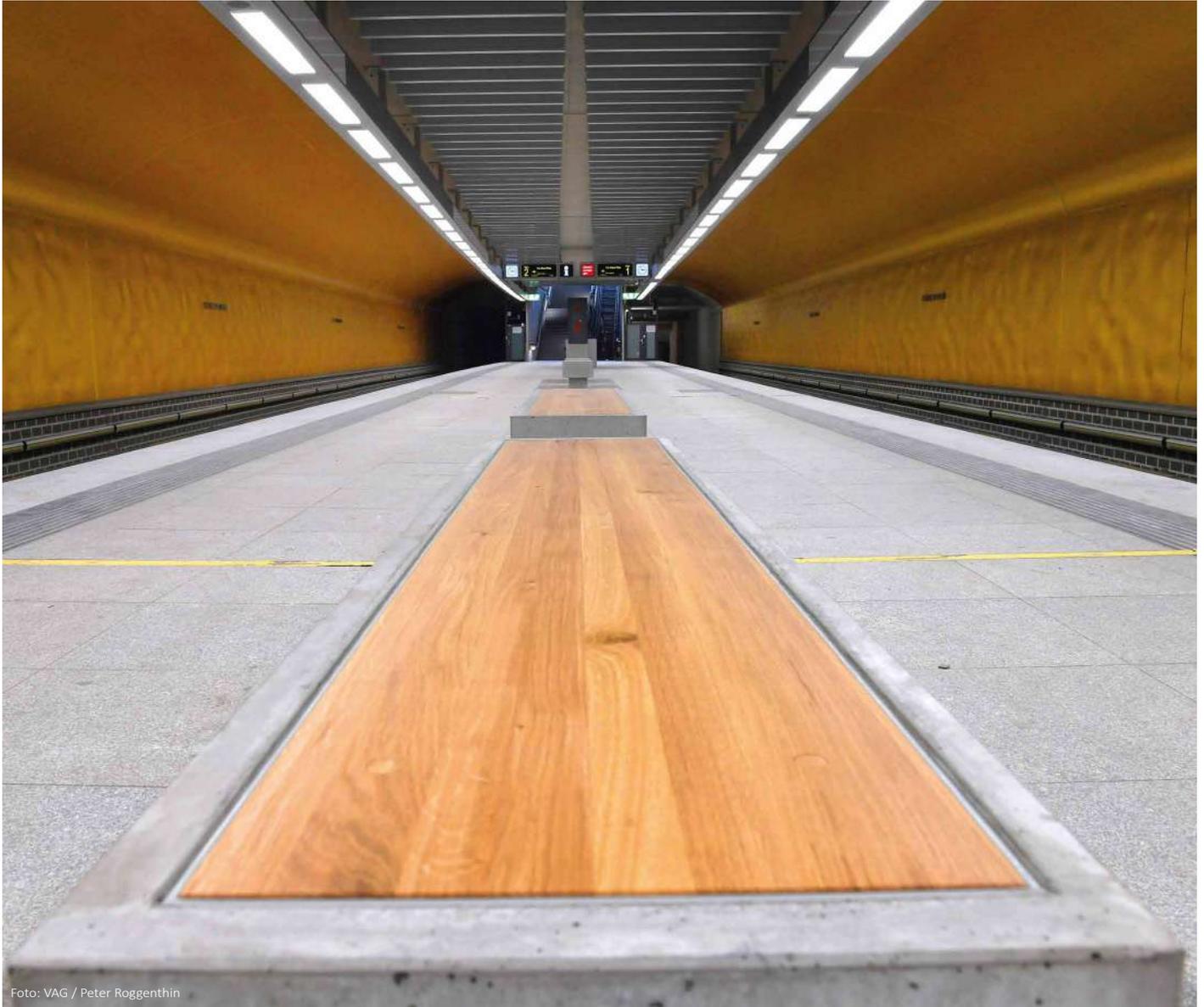


Foto: VAG / Peter Roggenthin

+ Platform lighting

Lighting tube with rectangular cross-section 304 x 440 mm, mounted at tube pendulums, containing direct light inserts, loudspeakers and lateral openings for wall brightening and backlit pictograms.

+ Platform equipment

Display cases, platform doors, smoke screens at the staircases, acoustic panels, barrier system, cladding of fire exhausting units, metal letters for station names

+ Handrail

Illuminated handrail type 1079 with oval cross-section, in the staircases



Display case



Platform doors



Smoke screen



Acoustic panels



+ **Mezzanine level:** Lighting Tube System 2127 (300x524 mm) with laterally accessible cable trays

+ **Platform level:** Lighting Tube System 2119 (230x115 mm) combined with a fire protection paneling above the safety wall with integrated air-condition outlets





Arriving train



Boarding



Departing train

+ Platform lighting:

Lighting tube 200x102,5 mm, lamps T5 with dynamic colour change, according to arrival and departure of the trains

+ Distribution level and access areas:

Lighting tube system 200x102,5 mm, lamps T5 with



Distribution level



Access stairs



Loudspeaker



+ Platform illumination:

Lighting tube system 1067 ø400 mm as twin units mounted to cantilever beams, each 3x 39W T5 indirect, 1x 70W HIT-DE direct

+ Architecture: K2B Architects, Hamburg



View from upper level



indirect light insert on top



direct light insert on bottom



Seating furniture



Wall panelling



Tree structure

+ Platform

Lighting: Media channel \varnothing 400 mm at pendant rods, containing diect luminaires, lateral light outlets and loudspeaker inserts; wall luminaires made of perforated stainless steel plates with backlight.

Platform equipment: Wall panelling with integrated seats made of perforated stainless steel plates; high-gloss aluminium calottes covering the cavities in the tubing segments

+ Distribution levels, access areas and stairs

Lighting: Wall luminaires and indirect lights with light guiding lamellas, chandelier "imperial crown"

Equipment: Wall panellings with integrated doors and seats made of perforated stainless steel plates and high-gloss metal, light well cladding with high-gloss metal, tree structure made of stainless steel and high-gloss aluminium calottes



Daylight well



"Crown" chandelier



Staircase illumination



+ Metal work

Wall and door panels, 3D structures for displays und showcases for the Bionicum exhibition, loop road and various animal enclosures
material: stainless steel 4mm

+ Design: Koop m+p



Wall decoration



Exhibition display



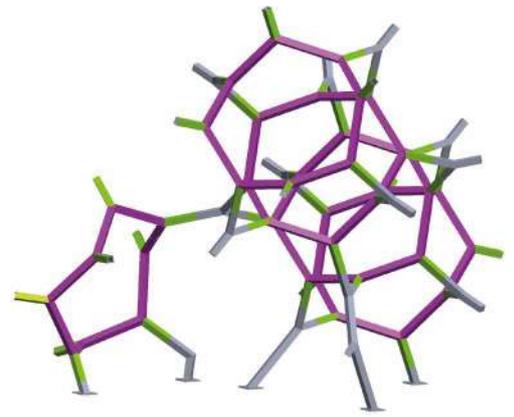
Door panelling at the Bionicum



+ Metal work

Aluminium profiles 50x50x3mm, welded together to Y-shaped modules and assembled to circular structures. Surfaces chromated and powder coated. Dimensions: L= 377 mm, W= 3206 mm, H= 3009 mm

+ Design: Markus Bischof, Nuremberg





+ Housing construction

Industrial cleaning box for blowing metal shavings off workpieces with the help of compressed air; activation by foot switch or light barrier; including a removable dirt collecting drawer. Variants: Floor standing box or table top device, each available in slim or extended width.

Shoe cleaning box for cleaning footwear of coarse dirt by the help of a manually operated compressed air nozzle; including a metal grid and a removable dirt collecting drawer.

Disinfection stands for hand hygiene, with large sanitizer capacity for highly frequented areas.

Material: stainless steel V2A

+ **Design:** Big Easy, Hilpoltstein



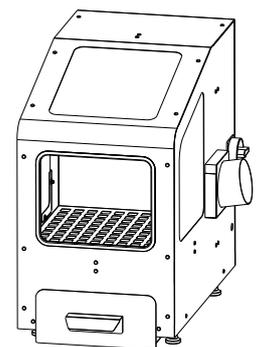
Disinfection cabin DessiBIGBOX



Disinfection station DessiBOX



Shoe cleaning box



Industrial cleaning table top box



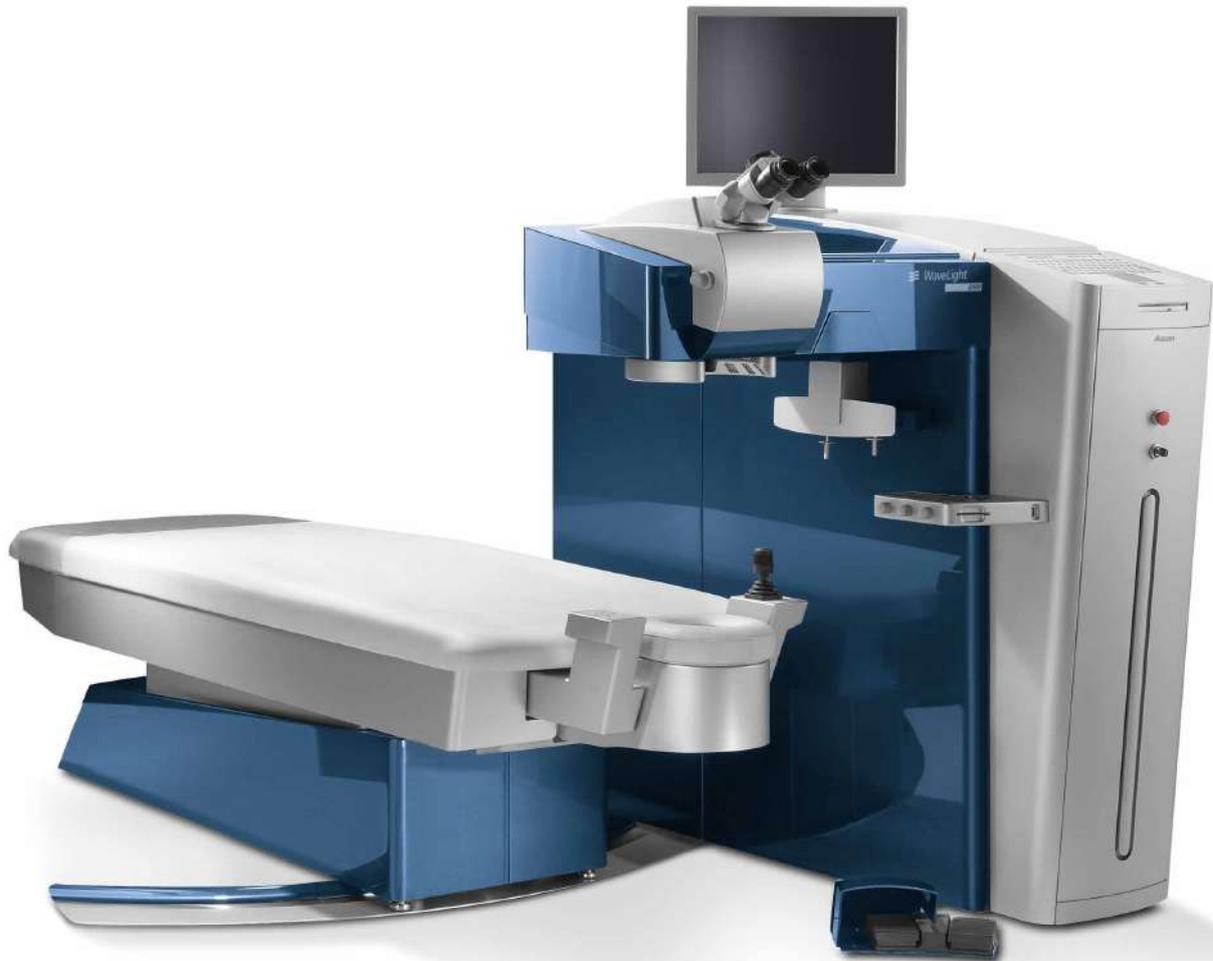
+ Housing construction

External cladding for a straightening machine, consisting of column panellings, front panel with PMMA window (sliding upwards), 2 facings with lettering, rear side panelling, foldable/movable hydraulic cover

Material: 2 mm sheet steel, coated.

+ **Design:** Tedes Design Team, Roth

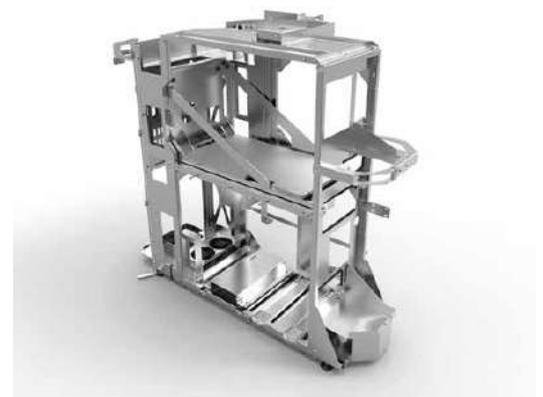




+ Basic structure, housing and treatment table

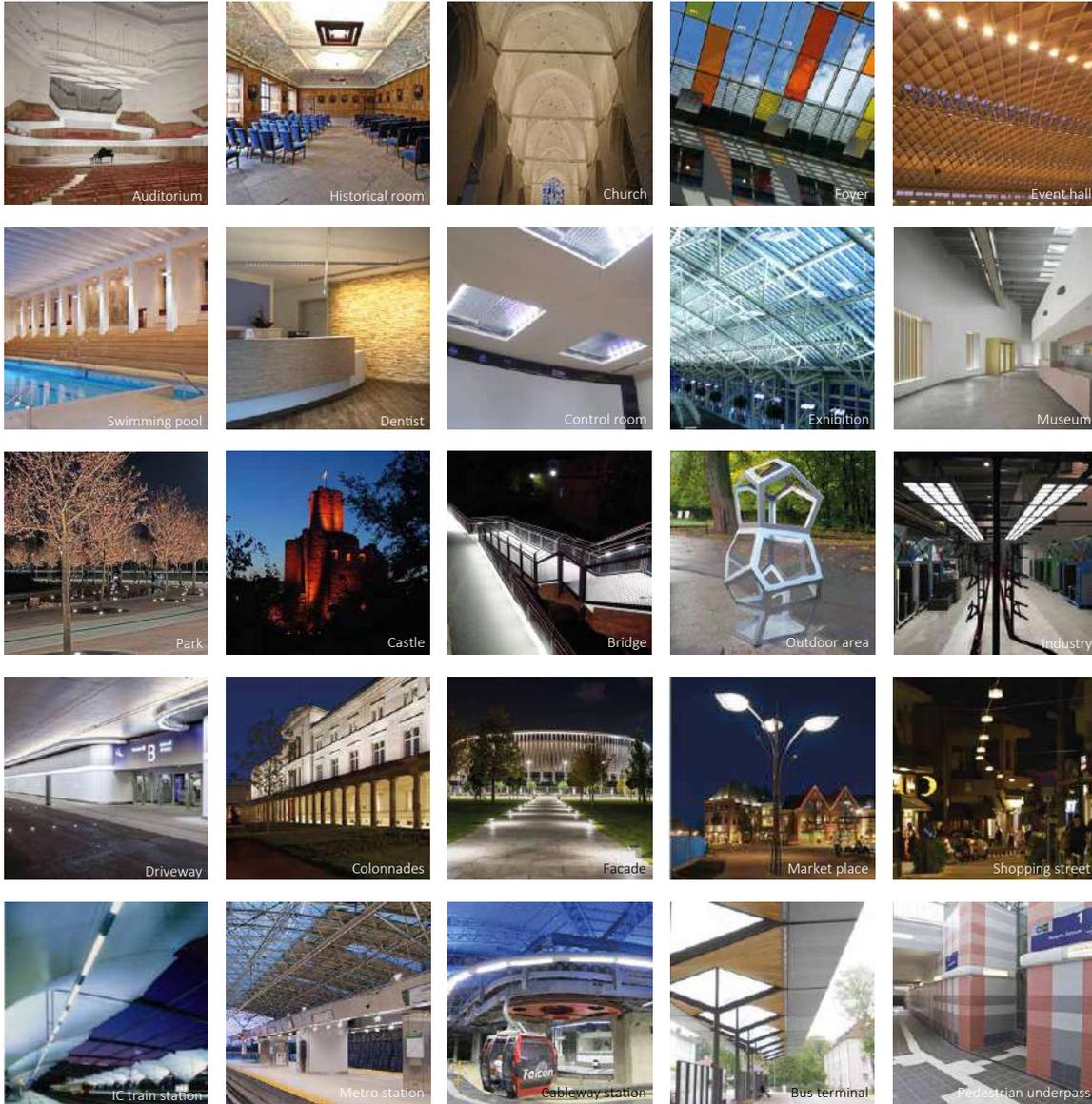
Engineering, manufacturing and assembly of the components of the devices and their transport carts;
Material: stainless steel, basic structure electropolished, housing coated

+ **Design:** Tedes Design Team, Roth



basic structure

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Quality certified

acc. to ISO 9001:2015



Environmentally certified

acc. to ISO 14001:2015



Certified Recycling



WPK certified

acc. to DIN 1090-1



Made in Germany

