



**Gundermann
Mikroelektronik
GmbH**

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**Projekte,
bei denen die Gundermann Mikroelektronik GmbH als Hersteller, als Entwickler oder als
Kooperationspartner verantwortlich war.**

**Projects,
in which Gundermann Mikroelektronik GmbH was responsible as manufacturer, developer or
cooperation partner.**

Wir verfügen über Einzelheiten und Besonderheiten jedes einzelnen Projekts.
Vielleicht können wir Ihnen Anregungen für ihr eigenes Projekt geben.

We have the details and specifics of each project.

Maybe we can give you suggestions for your own project.

- **Arnika Apotheke, St. Leon Rot**
180 grad drehbar / rotatable
S16/8 2,048m x 1,536m



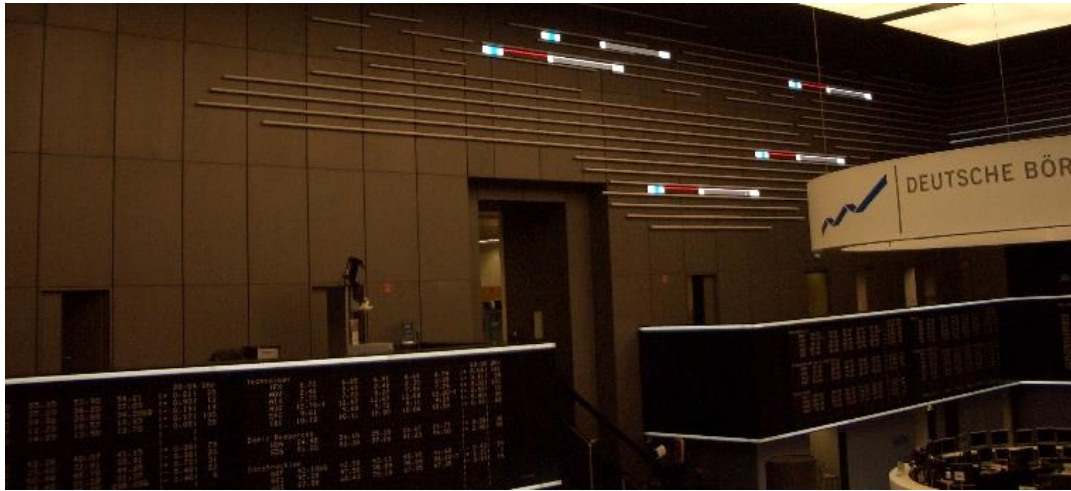
- **Salzburg Hangar 7 Red Bull**
5mm Indoor Module



➤ **Köln, Frankfurter Börse obere Laufschrift**

Led-ticker for stock market Frankfurt "floor redesign"

11 modules 4,10m x 0,128m each, Pixel distance: 8mm, Indoor 2.000Nit



- The first Outdoor 5mm of the world. 2002



- **Deutsche Post Immobilien**
Im Jahr 2002
5mm Indoor with 800 Nit.
Convex and Concave



➤ **MUC Flughafen Airport Munich Terminal 2**

Ledwall R5 Indoor with 3,20m x 1,80m, video area = 5,76m², 640 x 480 Pixel,
5,00mm Pixel Pitch, Indoor 1.500Nit



➤ **Frankfurter Welle 2002**

Die weltweit erste 5mm Outdoor Ledwand.

Hier zusätzliche Anforderung: hinter einem Wasserfall

The world's first 5mm outdoor LED wall.

Here additional requirement: behind a waterfall



➤ **Kuwait Rear Projection:**



➤ **Tirol, Italy, Topkom**

4 Ledwalls HQ12/6 with 3x1 modules each, each real 168 x 63 Pixel and 1,92m x 0,72m, video area = 1,38m² each=> virtuell: 336 x 126 Pixel; Outdoor 10.000Nit



➤ **Bossard-Arena Zug, Schweiz – Videowürfel 8-seitig**

4 Led Video Cubes HQ-8 Indoor with each 6 x 3 Modules; each 480 x 270 Pixel
with 3,84m x 2,16m, Indoor 1.500Nit, LED-Banner „Circle“ HQ16, 1.840 x 45 Pixel



- **Bossard-Arena Zug, Schweiz - 3 LED-Banden HQ-10 Indoor: (Perimeter)**
1x 220,16m x 0,72m, total area = 158,52m², 22.016 x 72 Pixel, Indoor >1.000Nit
2x 51,20m x 0,72m, total area = each 36,86m², each 5.120 x 72 Pixel, Indoor >1.000Nit



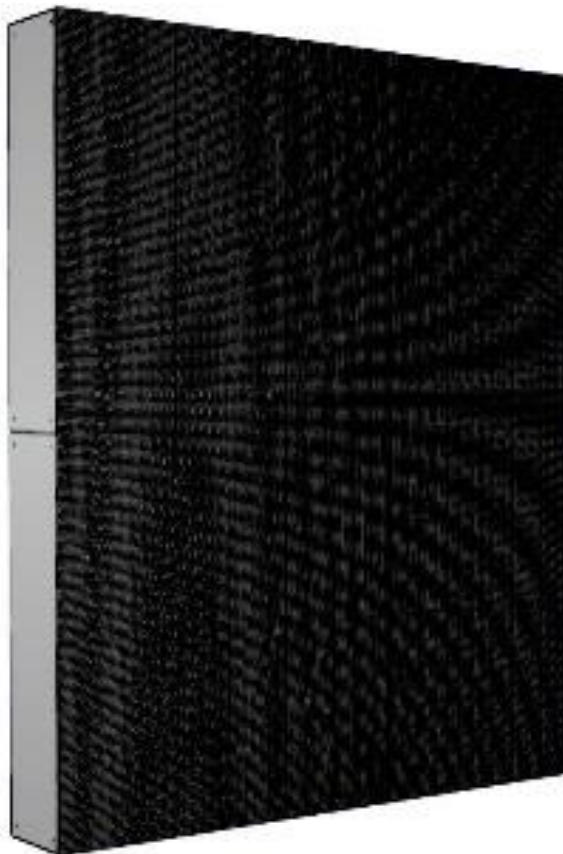
➤ **Freiburg Dance Floor**

RGB Ledwall HQ80 mm, 4,00m x 4,90m,
Total area = 19,60m², Indoor 230-400Nit



➤ **Solingen Biber Apotheke (Firma Neon) Pharmacy**

1 Ledwall HQ8 Indoor im EMV Large Cabinets, 200 x 240 Pixel with 1,60m x 1,92m,
Total area = 3,07m², Indoor 2.000Nit



➤ **Rostock Neptun Schwimmhalle**

1 Ledwall HQ8 Indoor, 16 Segments in big EMC Cabinets, 640 x 360 Pixel with 5,12m x 2,88m, Total area = 14,75m², Indoor 2.000Nit



Geschäftsführer: Helmut Gundermann HRB: 350778 Amtsgericht: Mannheim
Volksbank Rot eG Blz (67262550) Kto.Nr. 2246.00 S.W.I.F.T. IBAN: DE11 6726 2550 0000 2246 00
VATRegNo: DE143444273 SteuerNr: FA HD 32493/60184
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➤ **Potsdam MBS-Arena**

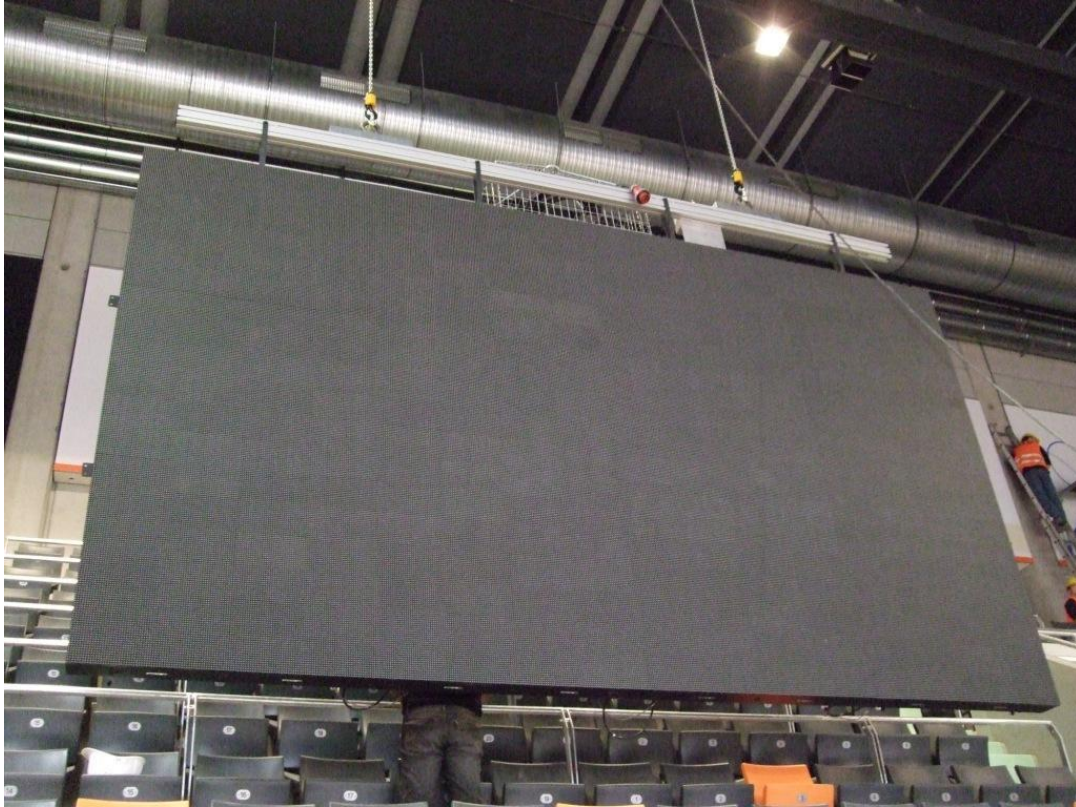
1 Ledwall HQ10 Indoor , 10 x 5 Module, 640 x 360 Pixel with 6,40m x 3,60m,
Total area = 23,04m², Indoor 2.000Nit



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➤ **Ulm Ratiopharm-Arena**

2 Ledwalls (Rental-Module) HQ-10 Indoor with each 8 x 4 Modulen; each 512 x 288 Pixel with 5,12m x 2,88m, Total area each 14,75m², Indoor 2.000Nit



➤ **Göppingen EWS-Arena (Hohenstauffen-Halle)**

2 Ledwalls HQ-8 Indoor with each 6 x 3 Modulen; each 480 x 270 Pixel with 3,84m x 2,16m,
Total area = each 8,29m², Indoor 3.000Nit



➤ **Ingolstadt Saturn-Arena – Videowürfel 8-seitig**

4 Ledwalls (Video Cube) HQ-8 Indoor with each 6 x 3 Modules; each 480 x 270 Pixel with 3,84m x 2,16m, Total area = each 8,29m², Indoor 1.500Nit



➤ **TBV Lemgo (Lipperlandhalle)**

2 Ledwalls R10 Indoor with each 2 x 9 Modulen; each 240 x 180 Pixel with 2,40m x 1,80m,
Total area = each 4,32m², Indoor 5.000Nit



➤ **Davos, Schweiz Vaillant-Arena– Videowürfel 8-seitig (Video Cube)**

4 Ledwalls P8-G with each 4 x 3 Modulen; each 512 x 288 real Pixel with 4,10m x 2,30m,
Total area = each 9,44m², Indoor 2.000Nit



➤ **Davos, Schweiz Vaillant-Arena**

1 Ledwall Ring HQ10-I-1 Indoor, 92 x 1 Modules, 2.944 x 72 Pixel
with 29,44m x 0,72m, Total area = 21,20m², Indoor 1.000Nit



➤ **Davos, Schweiz Vaillant-Arena**

2 Ledwalls HQ10-O, each 4 x 2 Module, real 512 x 288 Pixel with each 5,12m x 2,88m,
Total area = each 14,75m², Outdoor 6.000-10.000Nit



- **Berlin Internationale Funkausstellung (Radio TV Exhibition) ZDF Studio**
Ledwall R5 Indoor at ZDF's booth, 4,80m x 2,70m, Total area 12,96m²,
with 960 x 540 Pixel real



➤ **Fulda Schwimmbad (Swimming pool)**

Ledwall CQ10-O 2,88m x 1,92m, Total area = 5,53m²

Design and planning in cooperation with HG-Videowall



➤ **Mönchengladbach BORUSSIA-PARK**
Inside the arena

2 Ledwalls CQ10-DIP, each 12 x 7 Modules, real 1.152 x 672 Pixel with each 11,52m x 6,72m, Total area = each 77,41m², Outdoor mind. 7.000Nit



Nordkurve (North Turn)

1 Ledwall CQ10-DIP, 5 x 3 Module, real 480 x 288 Pixel with 4,80m x 2,88m,
Total area = 13,82m², Outdoor 7.000Nit



Nordkurve (North Turn) Catering

2 Ledwalls CQ6.0-O, each 3 x 3 Module, real 480 x 320 Pixel with 2,88m x 1,92m,
Total area = each 5,53m², Outdoor 6.000Nit
There was intensive EMC measurement

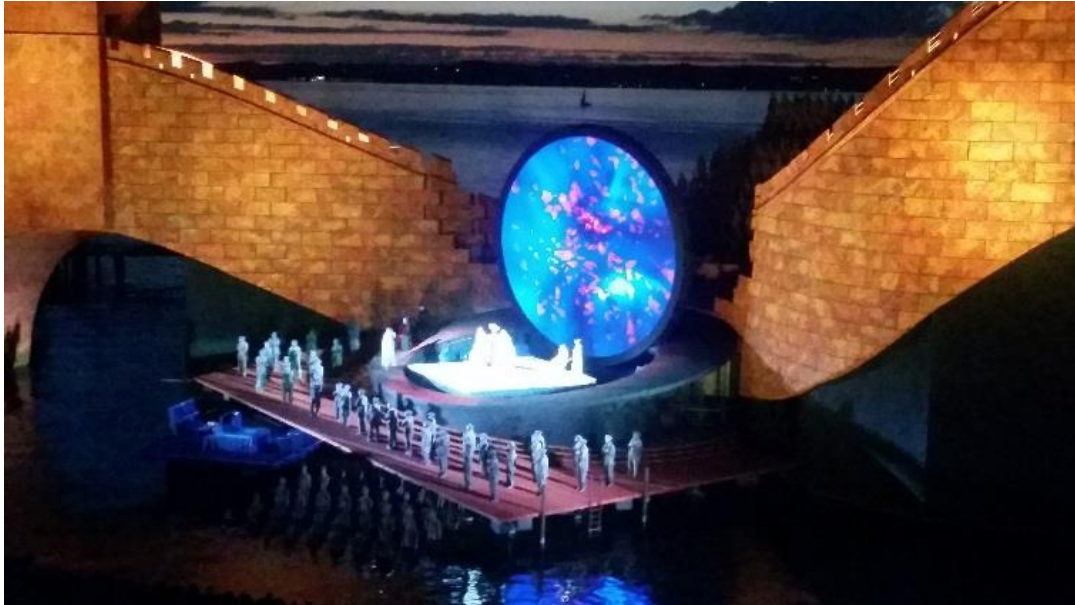


➤ **Regensburg Continental Arena**

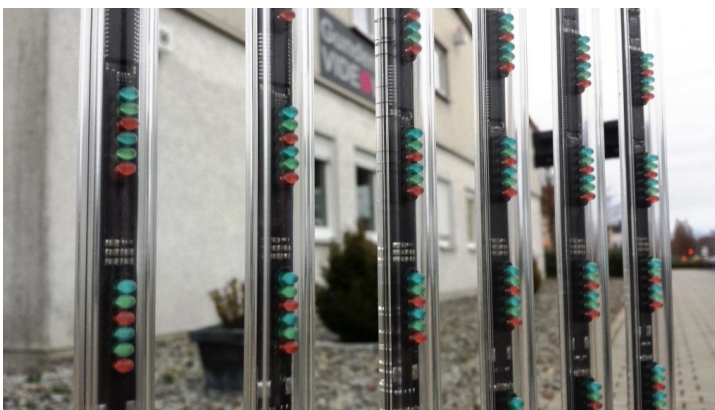
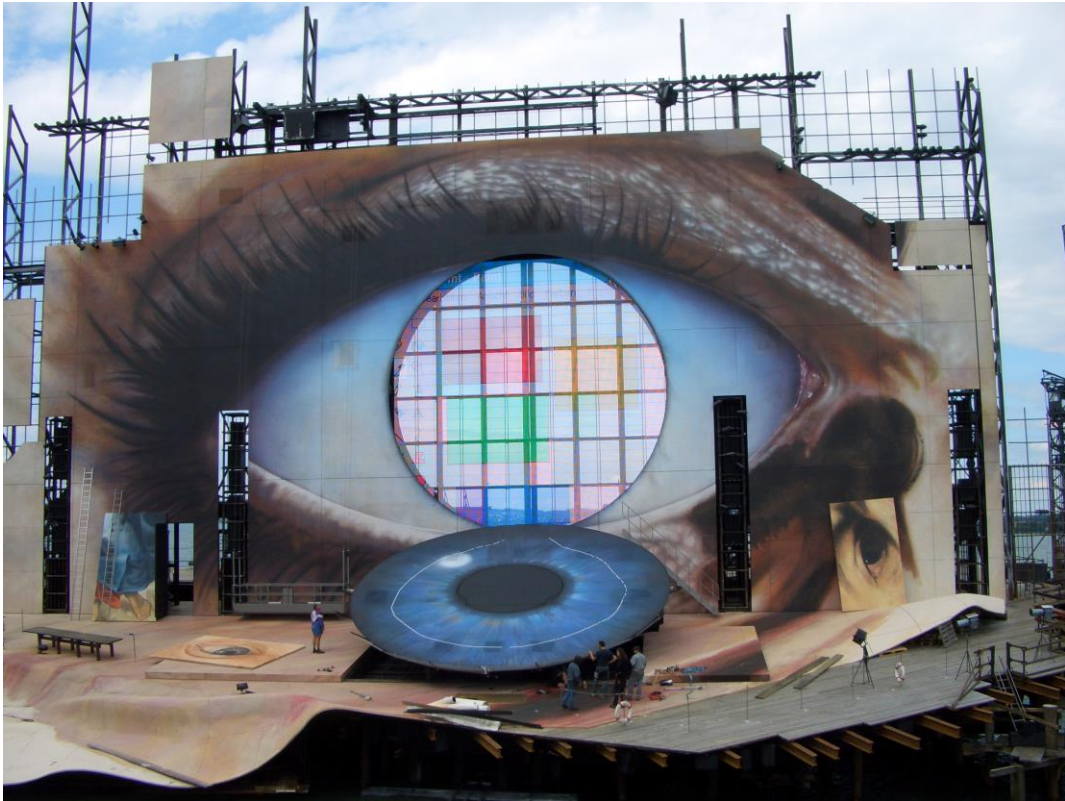
2 Ledwalls CQ10-DIP, each 8 x 5 Module, real 768 x 480 Pixel with each 7,68m x 4,80m,
Total area = each 36,864m², Outdoor 7.000 Nit



- **Bregenzer Festspiele GmbH, Österreich, Stage Design 2015/2016 „Turandot“**
1 Ledwall HQ10-I, round LED-Wall each 10,60m Diameter and 9,84m LED-Surface,
984 Pixel Diameter, Indoor for Outdoor use at night, 1.000 – 2.000Nit



- **Bregenzer Festspiele GmbH, Österreich Tosca**
144m² RGB Outdoor LED-Wall 40 mm, 72 mobile Frames 1m x 2m



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➤ **Mainz Coface-Arena**

2 Ledwalls HQ25/12, each 5 x 4 Module; real 320 x 192 Pixel with each 8,00m x 4,80m,
Total area = each 38,40m² => virtuell: 640 x 384 Pixel; Outdoor 7.000Nit



➤ **Augsburg SGL-Arena**

2 Ledwalls HQ25/12, each 4 x 4 Module; real 256 x 192 Pixel with each 6,40m x 4,80m,
Total area = each 30,72m² => virtuell: 512 x 384 Pixel; Outdoor 7.000Nit



➤ **Holstein Stadion Kiel**

1 Ledwall HQ25/12, 5 x 4 Modules; real 320 x 192 Pixel with 8,00m x 4,80m,
Total area = 38,40m² => virtuell: 640 x 384 Pixel; Outdoor 7.000Nit



➤ **Kassel Auestadion**

1 Ledwall HQ25/12, 7 x 5,5 Module; real 448 x 264 Pixel with 11,20m x 6,60m,
Total area = 73,92m² => virtuell: 896 x 528 Pixel; Outdoor 7.000Nit



➤ **Bonn Sportpark Nord**

1 Ledwall **HQ20/10**, 10 x 5 Module; real 320 x 180 Pixel with 6,40m x 3,60m,
Total area = 23,04m² => virtuell: 640 x 360 Pixel; Outdoor 10.000Nit



➤ **Offenbach Sparda-Bank-Hessen Stadion**

1 Ledwall HQ25/12, 5 x 4 Module; real 320 x 192 Pixel with 8,00m x 4,80m,
Total area = 38,40m² => virtuell: 640 x 384 Pixel; Outdoor 7.000Nit



➤ **Witzenhausen SCA Packaging**

1 Ledwall HQ12/6, 6 x 3 Module, real 336 x 189 Pixel with 3,84m x 2,16m,
Total area = 8,29m² => virtuell: 672 x 378 Pixel; Outdoor 10.000Nit
Aufklappbar (Hinged)



➤ **Bonn Museumsmeile**

1 Ledwall HQ20/10 with 6 x 4 Modulen; 384 x 192 Pixel with 7,68m x 3,84m,
Total area = 29,49m² => virtuell: 768 x 384 Pixel; Outdoor 10.000Nit



➤ **MIRA Mobile Ledwall**

1 Mobile LEDWALL HQ16/8 (on trailer), consisting of 32 modules,
320 x 180 Pixel real with 5,12m x 2,88m, Total area = 14,75m² => virtuell: 640 x 360 Pixel,
12.000cd/m², EMC compliant, very high color homogeneity due to calibration



➤ **Haßloch Holiday Park**

1 Ledwall P20/10 with 4 x 3 Modules; 256 x 144 Pixel with 5,12m x 2,88m,
Total area = 14,75m² => virtuell: 512 x 288 Pixel; Format 16:9, Outdoor 6.500Nit



➤ **Mannheim Eichbaum Brauereien AG**

1 Mobile Ledwall P20/10 Trailer of 4 x 3 Modulen; 256 x 144 Pixel with 5,12m x 2,88m,
Total area = 14,75m² => virtuell: 512 x 288 Pixel; Format 16:9, Outdoor 6.500Nit



➤ **Stadtmarketing Bocholt GmbH & Co. KG**

1 Mobile Ledwall 16/8, 5 x 4 Module; 320 x 192 Pixel with 5,12m x 3,072m,
Total area = 15,73m² => virtuell: 640 x 384 Pixel; Outdoor 5.500Nit



➤ **Karlsbad Trailer**



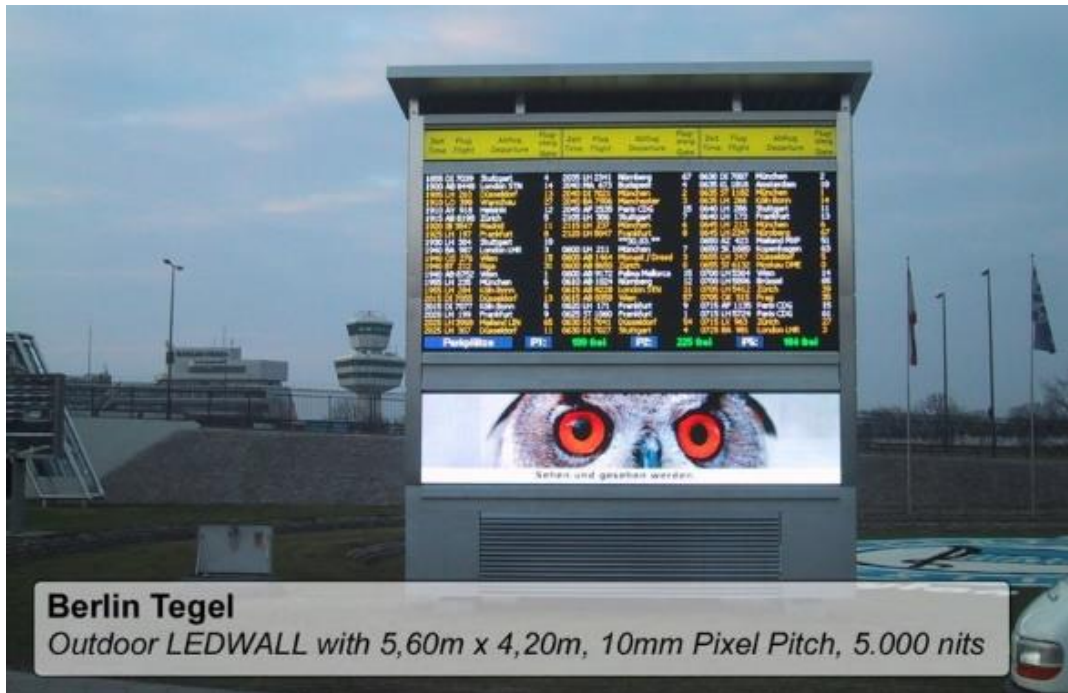
➤ **Karlsruhe, Badisches Staatstheater**

1 Ledwall CQ10-SMD Outdoor, 576 x 384 Pixel with 5,76m x 3,84m,
Total area = 22.184m²,
10,00mm Pixel Pitch with 5.000Nit



➤ **Berlin Airport Tegel**

1 Ledwall R10 Outdoor, 560 x 420 Pixel with 5,60m x 4,20m, Total area = 23,52m²,
10,00mm Pixel Pitch with 5.000Nit



➤ **Berlin Airport Schönefeld**

1 Ledwall R10 Outdoor, 320 x 1.020 Pixel with 3,20m x 10,20m, 10,00mm Pixel Pitch,
Outdoor 5.000Nit

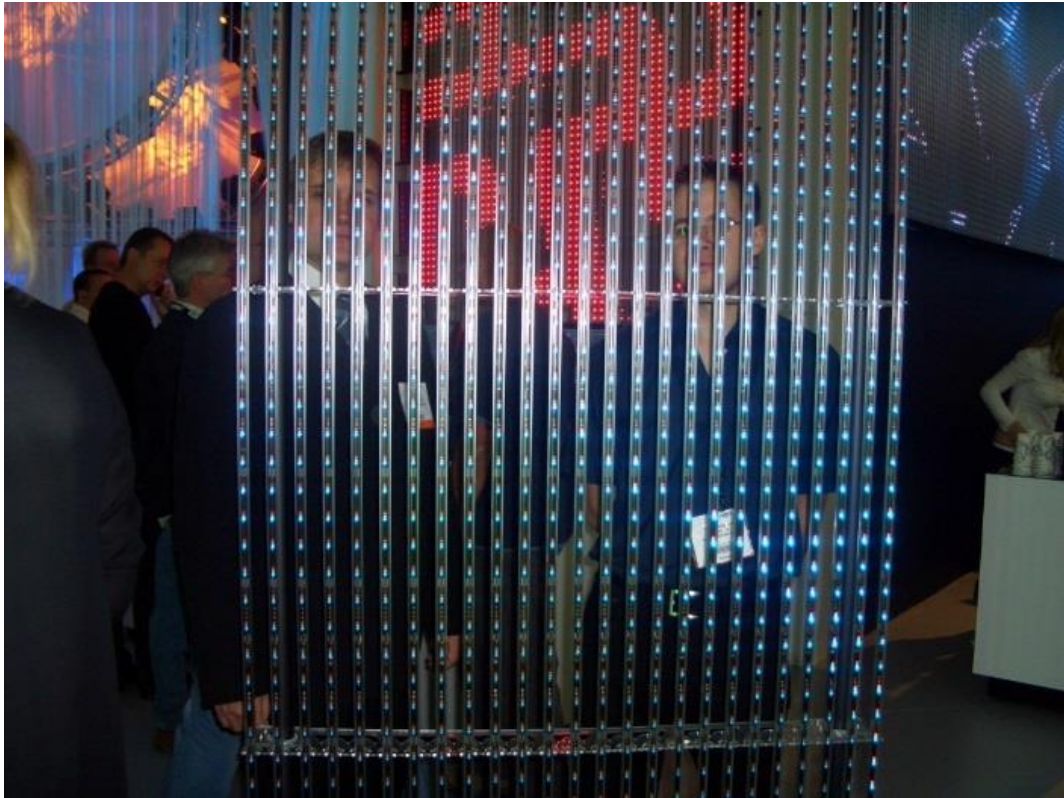


➤ **Adam A Syn, Slowakei**

1 Rental-Ledwall R10 Outdoor with 6 x 6 + 2 Modulen with 480 x 360 Pixel
with 4,80m x 3,60m, Total area 18,24m², 10,00mm Pixel Pitch, Outdoor 5.000Nit



- **Dänemark Martin Professional A/S,**
LED Videowalls with (1x1 m²) ca. 200m² and LED Videowalls (1x2 m²),
(LC2140 und LC1140)TA Triumph Adler Rheinland GmbH



➤ **WM2006 (World cup soccer 2006)**

2 Ledwalls S20/10 with each 4 x 3 Modulen; each 256 x 144 Pixel with 5,12m x 2,88m,
Total area = each 14,75m² => virtuell: 512 x 288 Pixel; Outdoor 6.000Nit



➤ **BSK GmbH IT-Systemhaus**

Projekt: Trucks

2 Ledwalls P16/8 with each 4 x 3 Modulen; 256 x 144 Pixel with 4,096m x 2,304m,
Total area = each 9,437m² => virtuell: 512 x 288 Pixel; Outdoor 6.000Nit



➤ **Stadt Oberhof November 2007**

Project: Coasting Slide Oberhof

Ledwall P20/10 with 4 x 4 modules; 256 x 192 Pixel² with 5,12m x 3,84m
area = 19,661m²

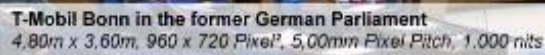
=> virtuell: 512 x 384 Pixel²; Outdoor with 6500 Nit



- **Martin Professional A/S Dänemark**
1.550 DSP Controller für 3.100 m² 40mm Ledwall



➤ **Bundestag Bonn Demoaufbau. R5**



➤ **Straubing Tigers GmbH (Eishalle) (Ice sports hall)**

3 Indoor Ledwalls S10/5 with each 5 x 5 Module; 320 x 240 Pixel real with each 3,20m x 2,40m, Total area = 7,68m² => virtuell: 640 x 480 Pixel; Indoor 1.500 Nit.



➤ **Hoffenheim Hopp Stadion**
Coordination and Setup



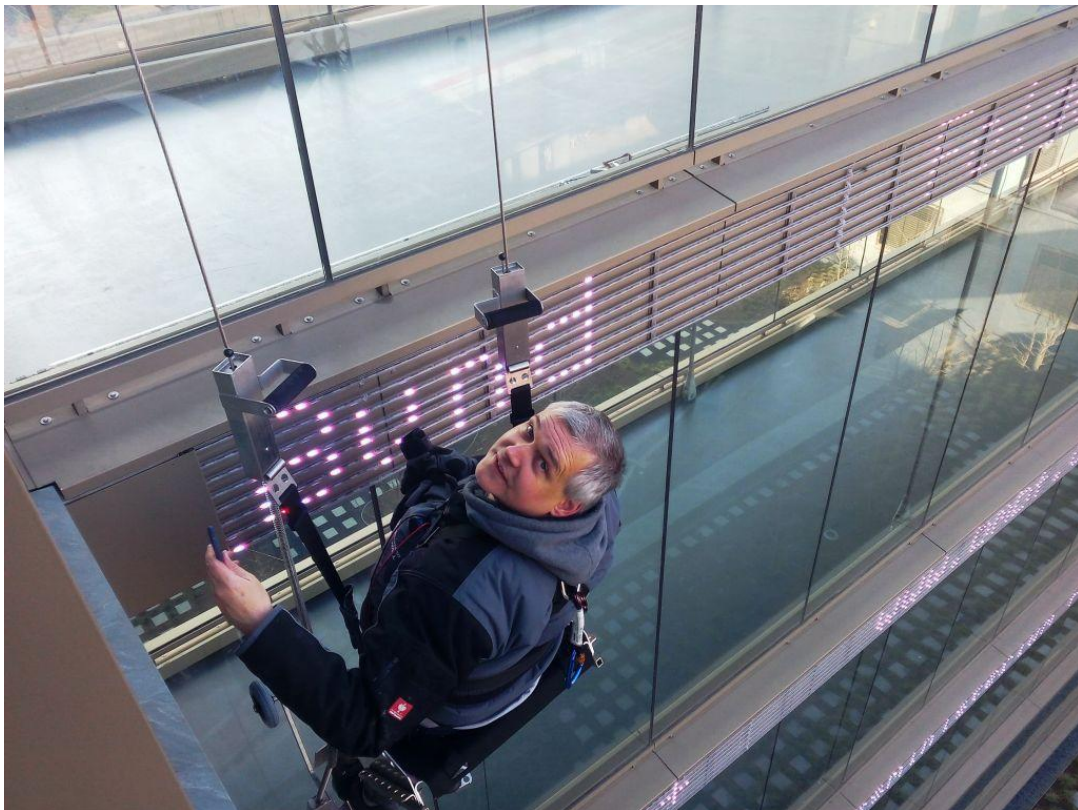
➤ **Hassloch Holiday Park (Amusement park)**



➤ **Ludwigslust**
CG10 10mm SMD



- **Berlin BAM BmBF (Federal Ministry of Education and Research)**
8 LED scrolls each 25m



➤ **GUM Demo Wall R5**

