

# HIGHLIGHTS

## MUSEUM

derksen®  
lichttechnik



# Heinz Nixdorf MuseumsForum

## A Journey Through The History of Information Technology

The Heinz Nixdorf MuseumsForum in Paderborn is the largest computer museum in the world. It shows with unique exhibits the development from cuneiform inscription to the Internet. The museum is dedicated to Heinz Nixdorf (1925-1986), the computer pioneer and founder of Nixdorf Computer AG. With his vision and social commitment he was one of Germany's most successful entrepreneurs.

The MuseumsForum stages the cultural and scientific-technological history of information technology as a journey through time over five millennia, from the origins of writing to the media society of the 21st century. The aim is to give people insight and education. The exhibition extends chronologically, ascending over three floors. At 22 specific points of interest a two-colored signage is projected by PHOS LED projectors

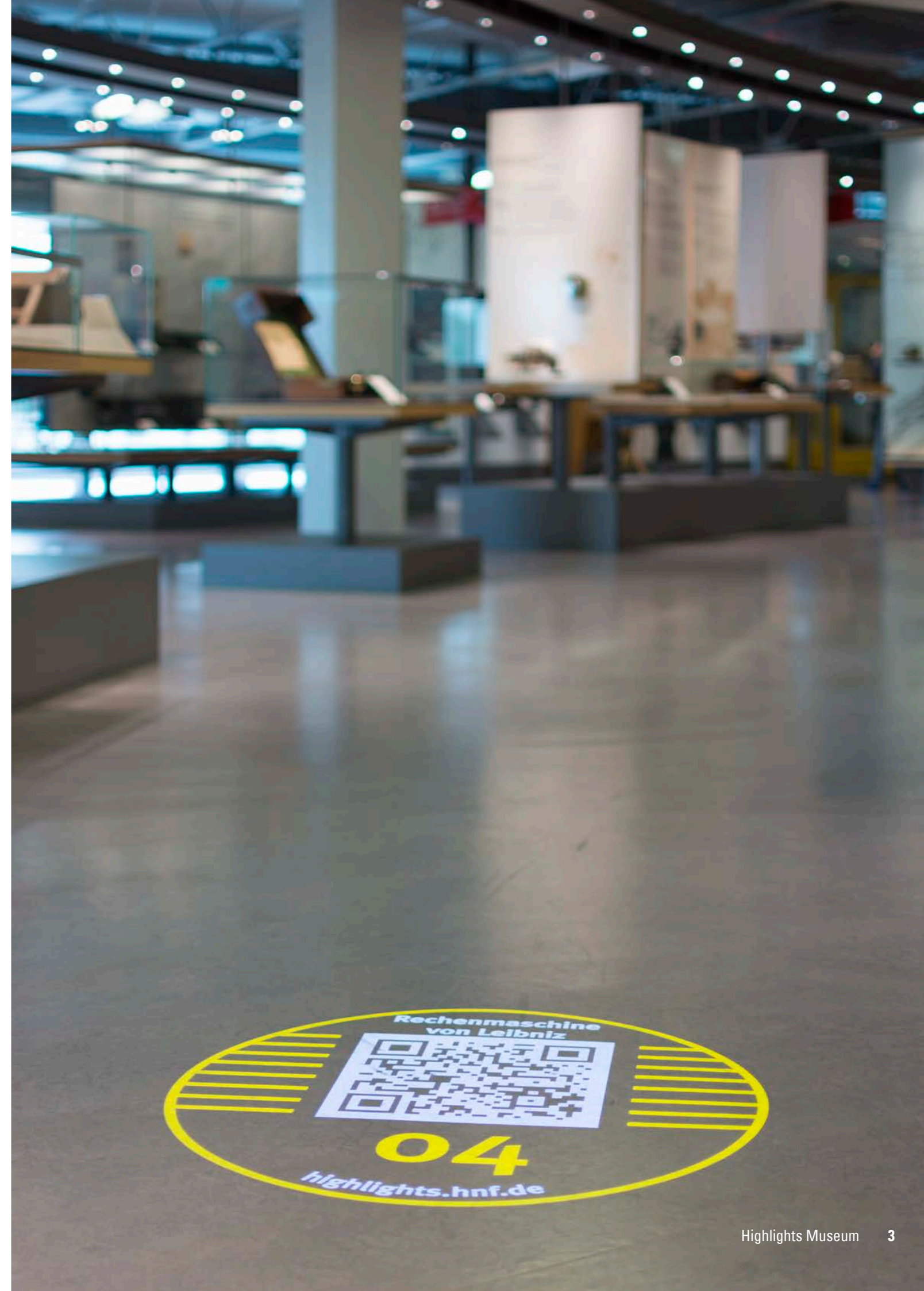
from lighting specialist Derksen. In the center of the projected message stands a QR Code (Quick Response), which allows visitors to immediately download information about this section to their smartphones or tablets. This application is full of wit: visitors discover and practice modern information technology intuitively. Educational contents become an experience.

Tests have shown that the projected QR codes on the floor are scanned correctly even when the Smartphone is directed at an acute angle relative to the ground. The aesthetical light projections seen on the different floorings have an added major and practical advantage of not wearing out or becoming dirty, unlike the stickers.

**Location:**  
Heinz Nixdorf MuseumsForum  
Fürstenallee 7  
33102 Paderborn | Germany  
[www.hnf.de](http://www.hnf.de)

**Media and Event Technology:**  
Dipl.-Ing. Reinhardt Hardtke

**Projection System:**  
22 x PHOS 20





# Vorarlberg Museum

Cultural history in a new outfit

In the immediate vicinity of Lake Constance, next to the Art Gallery and the National Theatre, the new Vorarlberg Museum opened on 21 June 2013. The building of the original historical Cultural History Museum was renovated adding two floors as well as a five floor square shaped extension. The striking facade is accentuated by the "concrete blossoms" that were formed from

the bottoms of commercially available disposable PET bottles.

The extensive collection presents archeology, history and art of the province of Vorarlberg. The exhibitions are to give visitors of all ages a meaningful and knowledgeable experience. The PHOS 20 projection systems illustrate and comment on the exhibits, as well they

project a guidance system on floors and walls over the whole building.



**Location:**  
vorarlberg museum | Kornmarktplatz 1  
6900 Bregenz | Austria  
[www.vorarlbergmuseum.at](http://www.vorarlbergmuseum.at)

**Architects:**  
Cukrowicz Nachbaur Architekten

**Lighting Design:** conceptlicht.at

**Signaletik:**  
Sägenvier DesignKommunikation  
[saegenvier.at](http://saegenvier.at)

**Projection System:** PHOS 20

**Photos:** Fatih Özcelik,  
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# Shapes of Light

Presentation of the Hilti Design Team at the red dot design museum.

The Hilti design team presented a special exhibition in the Red Dot Design Museum which is situated on the grounds of the world's cultural heritage "Zollverein" in Essen. The exhibition featured their award winning products under the title, "Designed for use. Not for museums" in an ambience that was cleverly produced using a building site theme.

The site workers were projected into the scenery using graphic light projection techniques. On top of that a multi lingual commentary on Hilti tools was displayed. The silhouettes of the workers and the text were projected onto the concrete walls with three powerful Derksen GL 1200 projection systems. Each Projection System is equipped with a gobo magazine which can change its own

gobo(s) during its running cycle thereby projecting three different motifs.

**Keystone correction makes the difference!**

A particular challenge to the realization of the exhibition was to eliminate perspective distortion of the images through a so called „keystone effect“.

Using a new calculation method and correction of the motif it was possible for the Derksen team to make the keystone effect almost invisible.

**Cover Photo:**  
Ruhr Museum  
Gelsenkirchener Straße 181  
45309 Essen | Germany  
www.ruhrmuseum.de

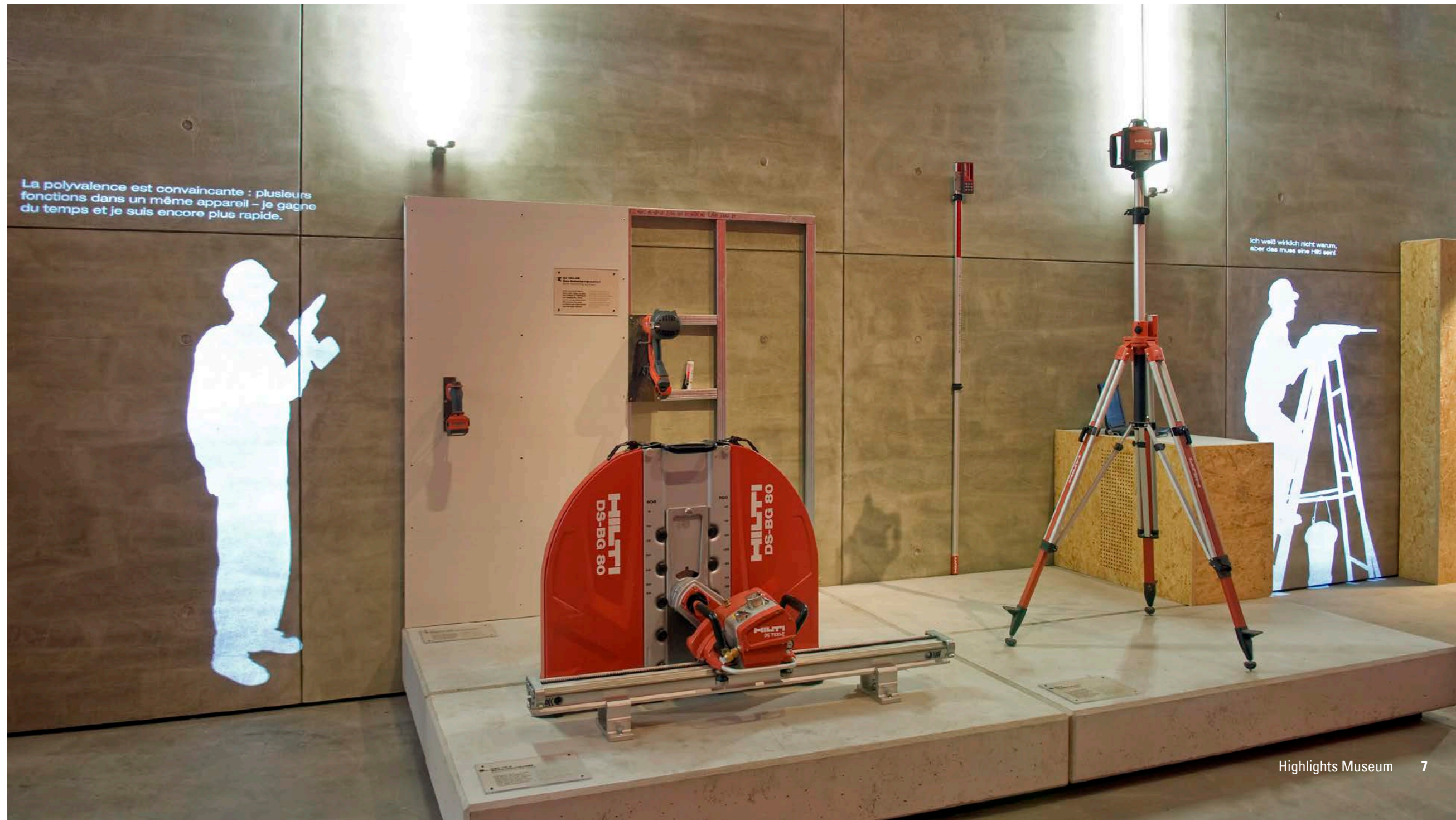
**Architects:**  
OMA / Heinrich Böll Architekt BDA DWB  
– A Joint Venture

**Location:**  
red dot design museum  
Gelsenkirchener Straße 181  
45309 Essen | Germany

**Exhibition Design & Implementation:**  
Triad Berlin Projektgesellschaft mbH  
Marburger Straße 3  
10789 Berlin | Germany

**Product Design:**  
Hilti

**Projection System:**  
GL 1200  
Gobo Magazine





RUHR MUSEUM

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