NEMETSCHEK
GROUP

16 strong brands

COMPETENCES &
REFERENCES **2018**

NEMETSCHEK
GROUP

ALLPLAN

BLUEBEAM

CREM SOLUTIONS

DATA DESIGN SYSTEM

dRofus

FRILO

GRAPHISOFT.

MAXON

NEVARIS

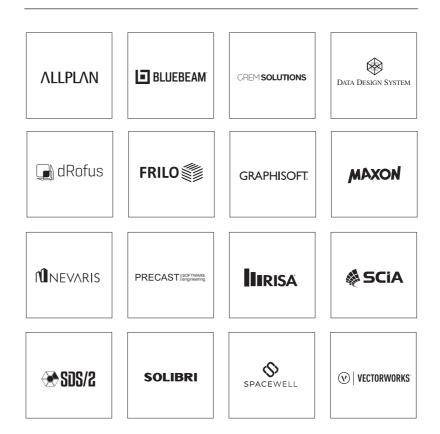PRECAST SOFTWARE engineering

RISA

SCIA

SDS/2

SOLIBRI

SPACEWELL

VECTORWORKS

Building Software –
Empowering The
Entire AEC Lifecycle

The Nemetschek Group is a pioneer in the digital transformation of the AEC industry. As the sole corporate group worldwide, Nemetschek covers the entire life cycle of building and infrastructure projects, guiding its customers into the future of digitalization.

Customer-focused and innovative
With intelligent software solutions, the Nemetschek Group increases quality and efficiency levels in the building process by improving the workflow and collaboration between all those involved in the building process.

Because of the unique holding structure of the Nemetschek Group, its 16 strong brands serve to drive innovations, with market proximity, which has convinced more than 5 million customers worldwide.

16 STRONG BRANDS ALONG THE ENTIRE AEC LIFECYCLE

01 DESIGN		02 BUILD	03 MANAGE	04 MEDIA
GRAPHISOFT	FRILO	BLUEBEAM	CREM SOLUTIONS	MAXON
ALLPLAN	PRECAST	SOLIBRI	SPACEWELL	
VECTORWORKS	RISA	SDS/2		
dROFUS	SCIA	NEVARIS		
	DATA DESIGN SYSTEM			

From Design to Manage

The complete lifecycle of a building is varied. The Nemetschek Group offers a portfolio of its brands that covers all areas of design, construction and building management from the initial idea through all the design and implementation steps and the building process all the way to management of the facility, finances, and personnel. Worldwide.

For further references please visit the Nemetschek Group website: www.nemetschek.com/en/competences-references/reference-projects.

GRAPHISOFT

Ingenuity Center
United Kingdom

FRILO

Palatinus Lido
Hungary

PRECAST

Psychiatric Hospital
Denmark

RISA

CNATT Complex (Center for Naval Aviation Technical Training Complex), USA

SOLIBRI

Prinses Máxima Centrum
The Netherlands

SDS/2

Olympic Museum
USA

NEVARIS

Lonza Arena
Switzerland

ALLPLAN

OMNITURM
Germany

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VECTORWORKS

Villanova Icône
France

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dROFUS

Opera House Oslo
Norway

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Port House
Belgium

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DATA DESIGN SYSTEM

Center for Security Technology
Germany

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BLUEBEAM

Independent Bank Headquarters
USA

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CREM SOLUTIONS

stilwerk
Germany

Pages 32–33

SPACEWELL

AXA Headquarters
Belgium

Pages 34–35

MAXON

Falcon Hospital
China

Pages 36–37

GRAPHISOFT®

GRAPHISOFT is one of the world's leading developers of BIM software for architects and designer.

Website: www.graphisoft.com

Segment:	**01** **DESIGN**	02 BUILD	03 MANAGE	04 MEDIA
Company size:	552 employees			
Locations:	**Budapest,** Beijing, Boston, Hong Kong, London, Mexico City, Moscow, Munich, São Paulo, Singapore, Tokyo, Venice			

Reference project:

Ingenuity Center
Nottingham, United Kingdom

Architects: Bond Bryan Architects

Project description:

Won as part of a national design competition, the Ingenuity Centre houses local and national start-ups and small innovative enterprises. With its simple design and relatively deep structural form, the buidling makes the most of limited space.

ΛLLPLAN

ALLPLAN is a global provider of BIM solutions for the AEC industry.

Website: www.allplan.com

Segment:	**01** **DESIGN**	02 BUILD	03 MANAGE	04 MEDIA

Company size:	418 employees
Locations:	**Munich,** Bratislava, Graz, Madrid, Paris, Prague, Salzburg, Trento, West Chester, Zurich

ALLPLAN

© Structural and façade design (LPH 1–3): Bollinger + Grohmann Ingenieure
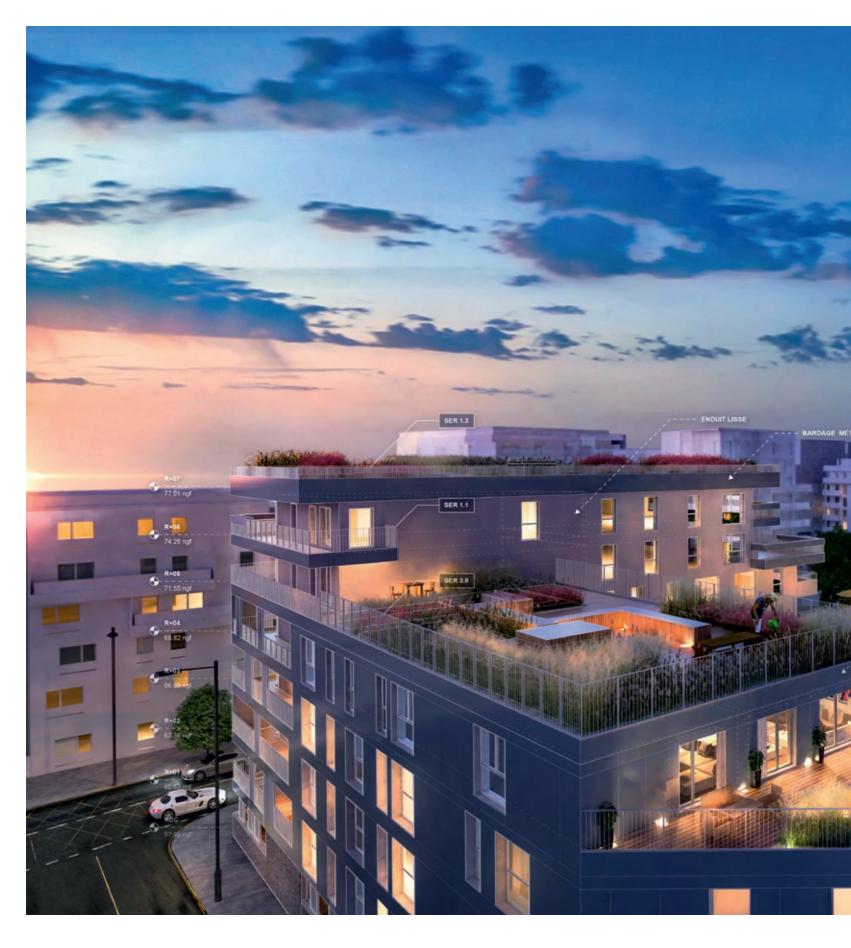
OMNITURM

Frankfurt, Germany

Engineering office: Bollinger + Grohmann Ingenieure

Project description:

Once completed, the OMNITURM will be the fifth-highest building in Frankfurt am Main at around 190 meters and at the same time the first mixed-use high-rise in Germany, providing public space as well as office and residential space.

VECTORWORKS®

Vectorworks develops, sells and distributes design and BIM software for architecture, landscape and entertainment industries.

Website: www.vectorworks.net

Segment:	**01** DESIGN	02 BUILD	03 MANAGE	04 MEDIA
Company size:	221 employees			
Locations:	**Columbia,** London, Newbury, Vancouver			

Reference project:

Villanova Icône
Paris, France

Architects: Hamonic + Masson & Associés

Project description:

The Villanova Icône, a 17-story residential tower located within an eco-friendly district north of Paris, features a fanned-out array of balconies and land-scaped roof gardens that gives this building a distinctive look and adds richness to the façades.
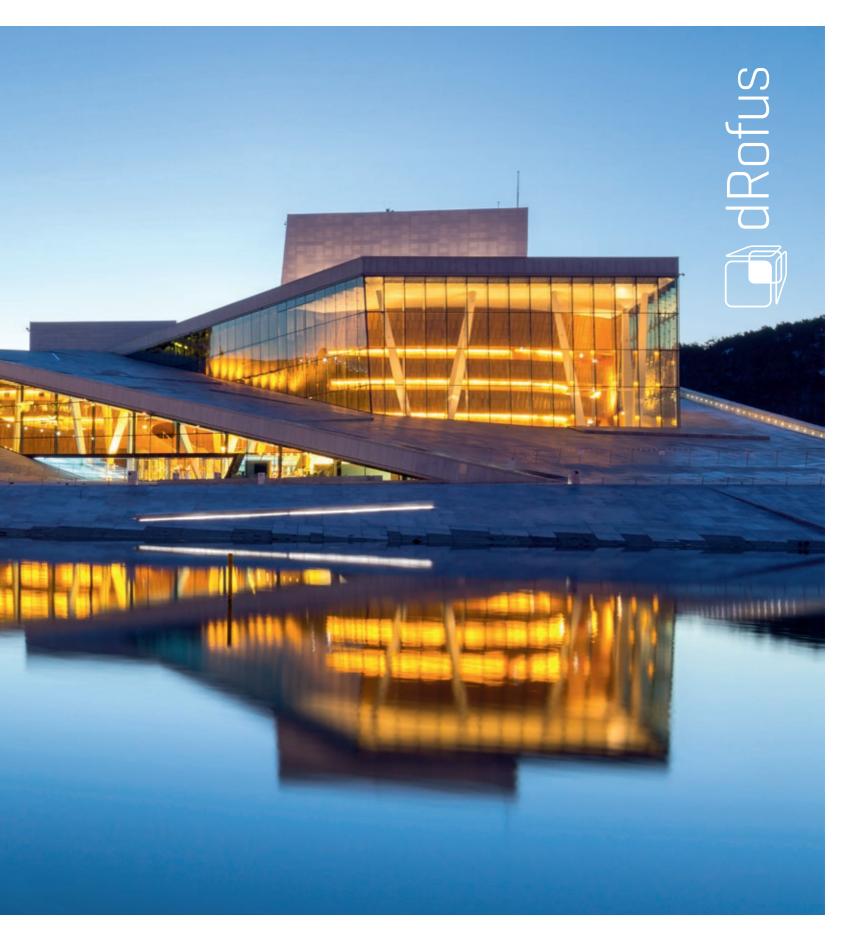
dRofus

dRofus is one of the world's leading providers of BIM-based planning, data management and collaboration tools for the entire building lifecycle.

Website: www.drofus.no

Company size:	30 employees

Segment:	**01** DESIGN 02 BUILD 03 MANAGE 04 MEDIA
Company size:	30 employees
Locations:	**Oslo,** Adelaide, Antibes, Cleveland, Lincoln, Malmö, Melbourne, San Francisco, Sydney

Reference project:

Opera House
Oslo, Norway

Administration: Statsbygg

Project description:

Oslo's opera house gives the impression of an iceberg rising out of a Fjord. The freely accessible roof is completely tiled in marble and provides a wide view of the surrounding landscape. The building contains three stages and numerous side rooms in an area measuring 38,500 m².

FRILO

FRILO has been one of the leading providers of innovative calculation programs for structural engineering tasks for 40 years.

Segment:	**01** **DESIGN**	02 BUILD	03 MANAGE	04 MEDIA

Company size:	42 employees

Locations:	**Stuttgart,** Dresden

Website: www.frilo.eu

Reference project:

Palatinus Lido
Budapest, Hungary

Engineering office: Éki Terv

Project description:

The Palatinus Lido on Margaret Island, which has been in operation without interruption since 1921, was once among Europe's largest bathing complexes with a total park areal of 75,000 m². Honoring the original architecture, it was refurbished in 2017, and has received several architectural awards.

PRECAST | SOFTWARE engineering

Precast Software Engineering is a leading software company in the precast concrete parts industry.

Segment:	**01** **DESIGN** 02 BUILD 03 MANAGE 04 MEDIA
Company size:	47 employees
Locations:	**Salzburg,** Shanghai, Singapore

Website: www.precast-software.com

Reference project:

Psychiatric Hospital
Vejle, Denmark

Precast elements: Contiga Tinglev A/S

Project description:

Precast concrete parts constitute the heart of the clinic, which blends in with the surrounding landscape thanks to its airy architecture: 4,000 m² of solid walls and 24,000 m² of hollow-core elements as well as load-bearing pillars for the pedestrian bridges and round pillars for the interior were required.

RISA

RISA is a leading provider of structural design and analysis software for the structural engineering industry.

Website:	www.risa.com

Segment:	**01** **DESIGN**	02 BUILD	03 MANAGE	04 MEDIA
Company size:	33 employees			
Location:	**Foothill Ranch**			

Reference project:

CNATT Complex
Camp Pendleton, USA

Engineering office: SMR-ISD Consulting Structural Engineers

Project description:

The Center for Naval Aviation Technical Training Complex is a 12,000 m² complex which houses all aviation mechanics responsible for the maintenance of Huey and Cobra helicopters stationed at Camp Pendleton Marine Corps base.

SCIA

SCIA is one of the world's leading software developers for structural engineering, with full support of the Open BIM process.

Website: www.scia.net

Segment:	**01** **DESIGN**	02 BUILD	03 MANAGE	04 MEDIA

Company size: 92 employees

Locations: **Herk-de-Stad,** Arnhem, Ashby-de-la-Zouch, Brno, Gurmels, Lille, Prague, Žilina

Reference project:

Port House
Antwerp, Belgium

Engineering office: Studieburo Mouton

Project description:

The Port House symbolizes the dynamic and innovative nature of the Port of Antwerp. The building is the workplace of 500 employees and a meeting place for the many international contacts of the Antwerp port community.
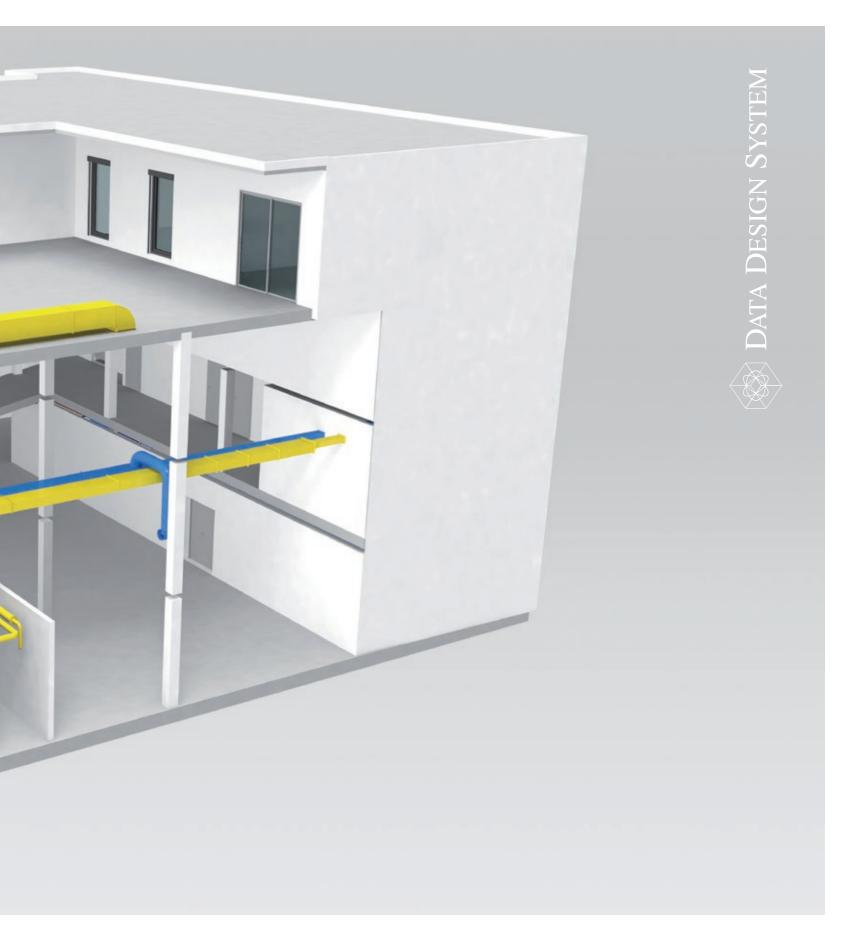
DATA DESIGN SYSTEM

Data Design System (DDS) has been developing innovative BIM solutions to design, calculate, simulate and document building services projects since 1984.

Segment:	**01** **DESIGN**	02 BUILD	03 MANAGE	04 MEDIA

Company size:	108 employees

Locations:	**Stavanger,** Ascheberg, Leonding, Utrecht

Website: www.dds-cad.de

Reference project:

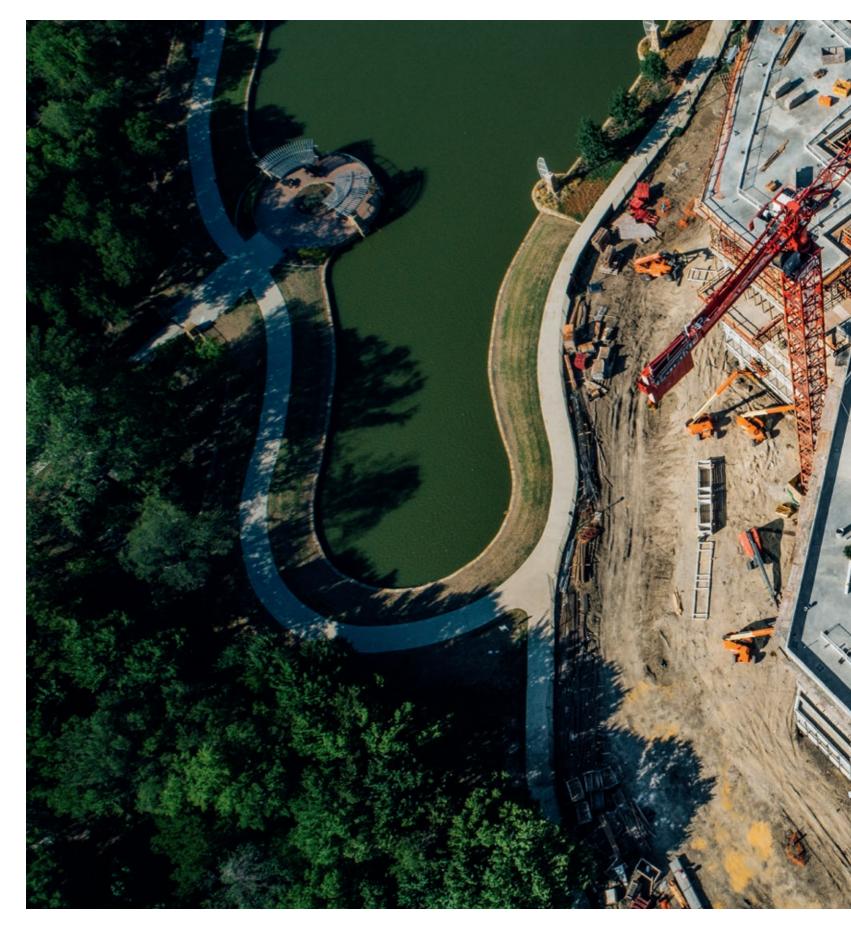# Center for Security Technology
Tettnang, Germany

Engineering office: Schneider Gebäudetechnik GmbH

Project description:

The four-story building was erected in approximately 8 months using a reinforced concrete frame construction. In addition to a generously proportioned exhibition area of about 700 m², it provides plenty of space for offices, training rooms, warehouses and a penthouse apartment. The year-round climate control requires no fossil fuels.
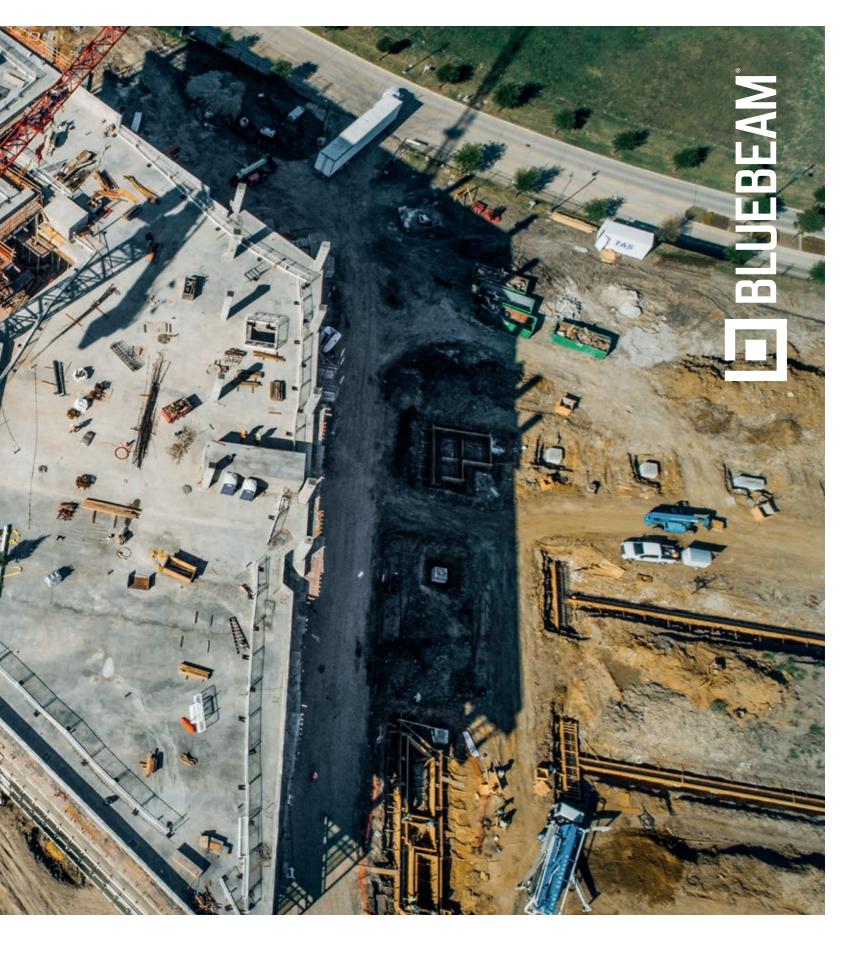
BLUEBEAM®

Bluebeam develops innovative technology solutions that set standards for collaboration and workflow efficiency for architects, engineers and construction professionals worldwide.

Segment:	01 DESIGN	**02 BUILD**	03 MANAGE	04 MEDIA

Company size:	358 employees

Locations:	**Pasadena,** Chicago, Dallas, London, Manchester (USA), Munich, San Diego, Stockholm

Website: www.bluebeam.com

BLUEBEAM®

Independent Bank Headquarters
McKinney, USA

Project description:

The general contractor has been using Bluebeam Revu to construct the 15,300 m², six-story building. The building's sleek glass exterior and expansive terraces are designed to bring the outside in, complemented by a view of the lake and a mature greenbelt.

General contractor: Rogers-O'Brien Construction

SOLIBRI

Solibri offers a universally applicable software solution for quality check and BIM model analysis for an efficient construction process.

Website: www.solibri.com

Segment:	01 DESIGN	**02 BUILD**	03 MANAGE	04 MEDIA
Company size:	60 employees			
Locations:	**Helsinki,** Hamburg, Leeds, Madrid, Scottsdale			

Reference project:

Prinses Máxima Centrum
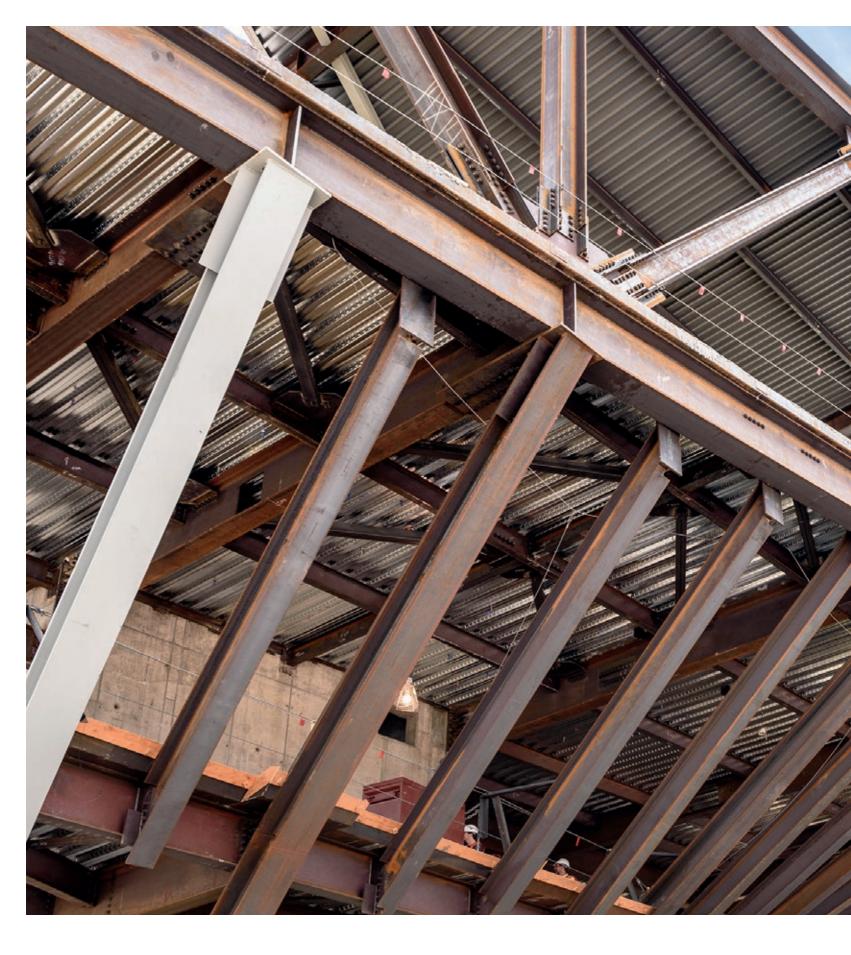
Utrecht, The Netherlands

Architects: LIAG Architects

Project description:

The Prinses Máxima Centrum is unique, and at 45,000 m² it is the biggest child oncology center in Europe. In order to create a natural flow between inside and outside that would facilitate the healing process, the designers paid particular attention to aspects such as daylight, air, views, clarity and the general layout.

◆ SDS/2

SDS/2 is a leading provider of BIM software solutions for the structural steel detailing industry.

	01	**02**	03	04
Segment:	DESIGN	**BUILD**	MANAGE	MEDIA

Company size:	69 employees

Website:	www.sds2.com

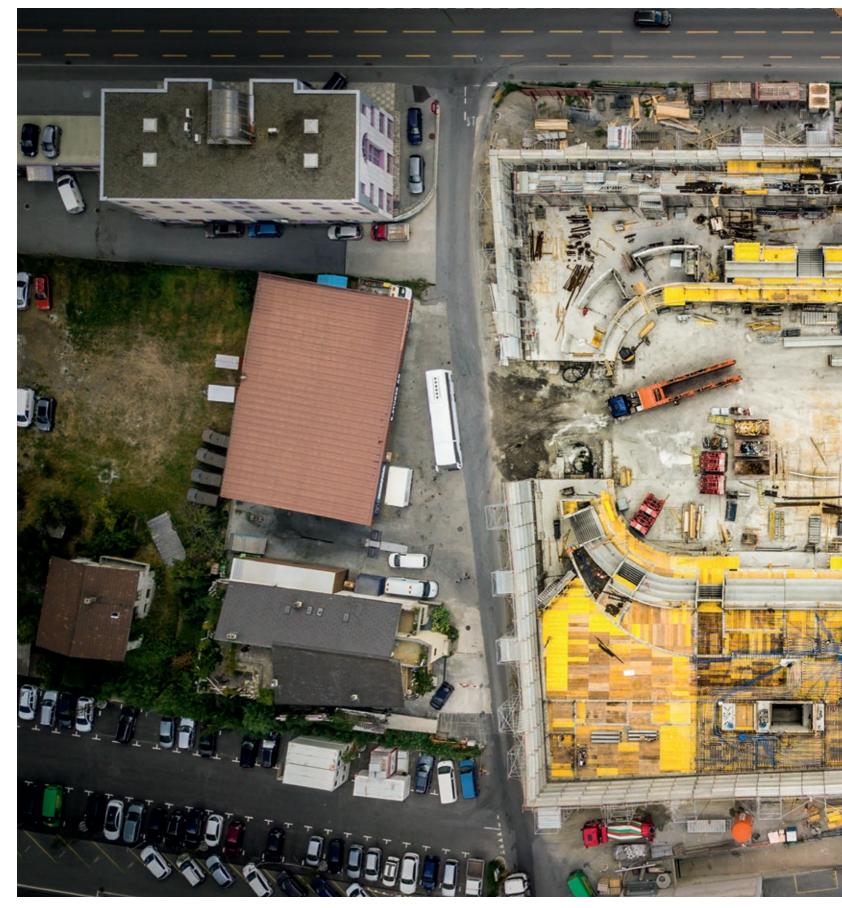| Location:	**Lincoln**

Reference project:

Olympic Museum
Colorado Springs, USA

Steel detailer and engineer: KL&A

Project description:

The 5,575 m² U.S. Olympic Museum will allow visitors to experience the history of Team USA in the Olympics and Paralympics. It will include the U.S. Olympic Hall of Fame, 1,858 m² of exhibit space, a state-of-the-art theater, cafe, and broadcast studio.
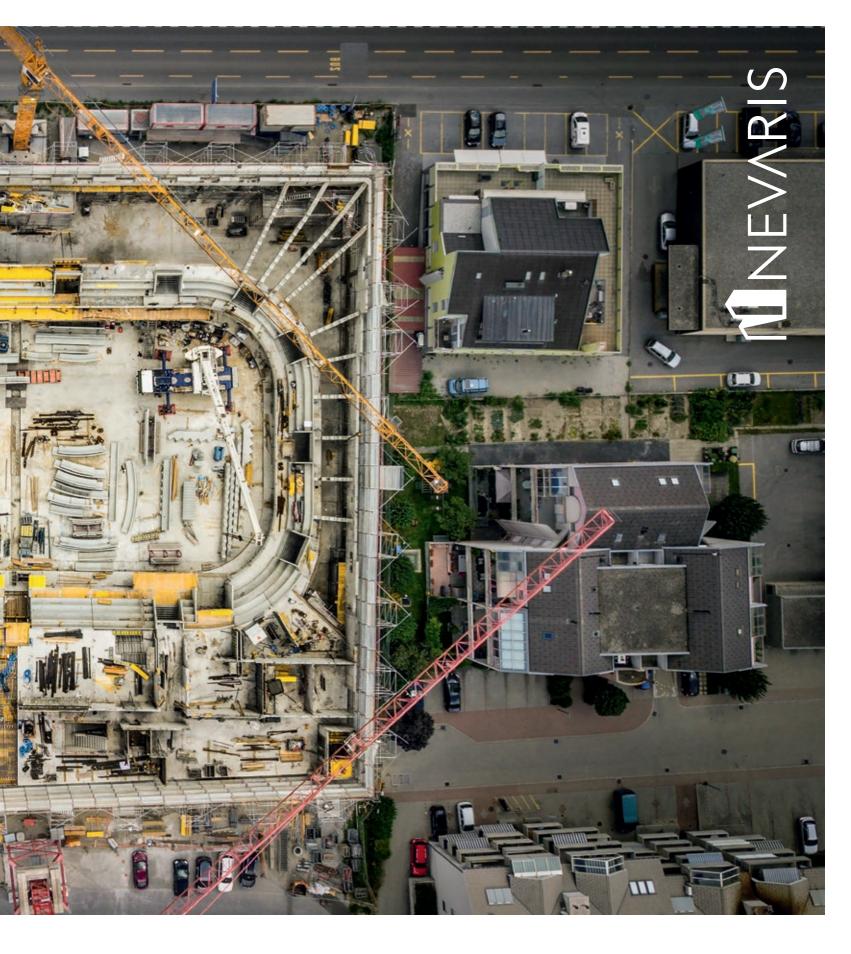
⬆️NEVARIS

NEVARIS develops and distributes holistic structural engineering and construction business software for architects and construction companies.

Website: www.nevaris.com

Segment:	01 DESIGN	**02 BUILD**	03 MANAGE	04 MEDIA

Company size: 146 employees

Locations: **Bremen,** Berlin, Elixhausen, Herne, Karlsruhe, Lohne, Munich
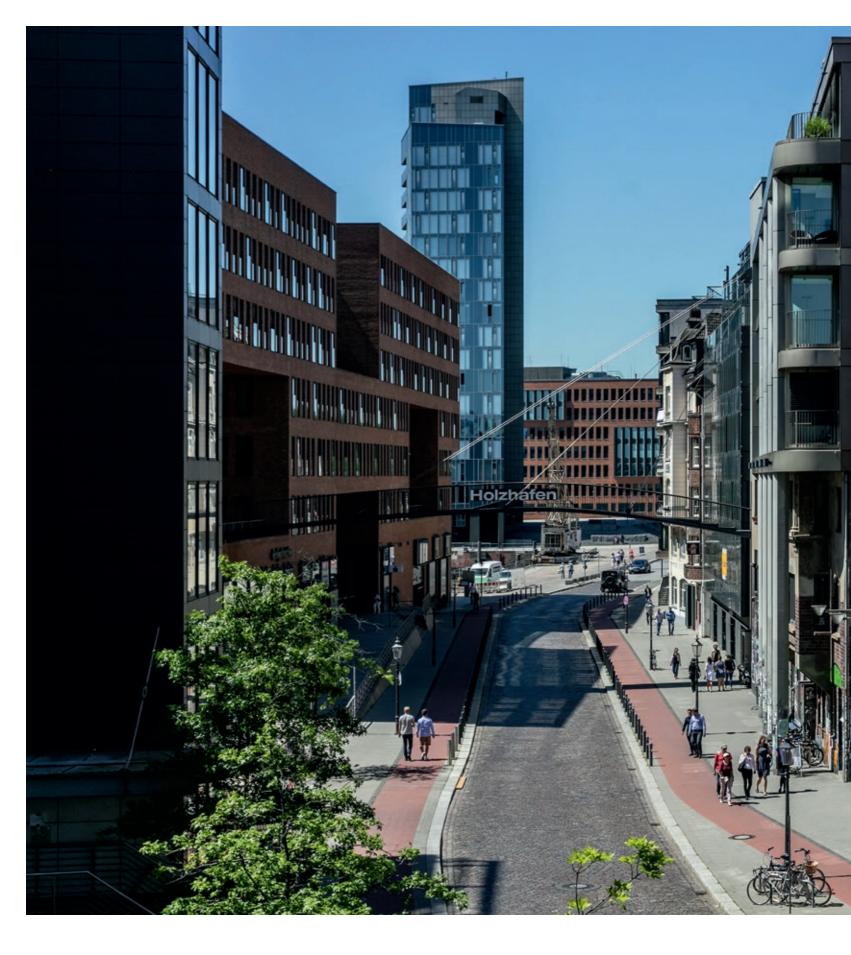
Reference project:

Lonza Arena
Visp, Switzerland

Contractor: Frutiger AG

Project description:

The ice and event stadium "Lonza Arena" is ushering in a new era in the Canton of Wallis in Switzerland. It serves as a unique meeting place for up to 5,000 spectators. The implementing company Frutiger AG has depended on the complete commercial solution from NEVARIS for years now.
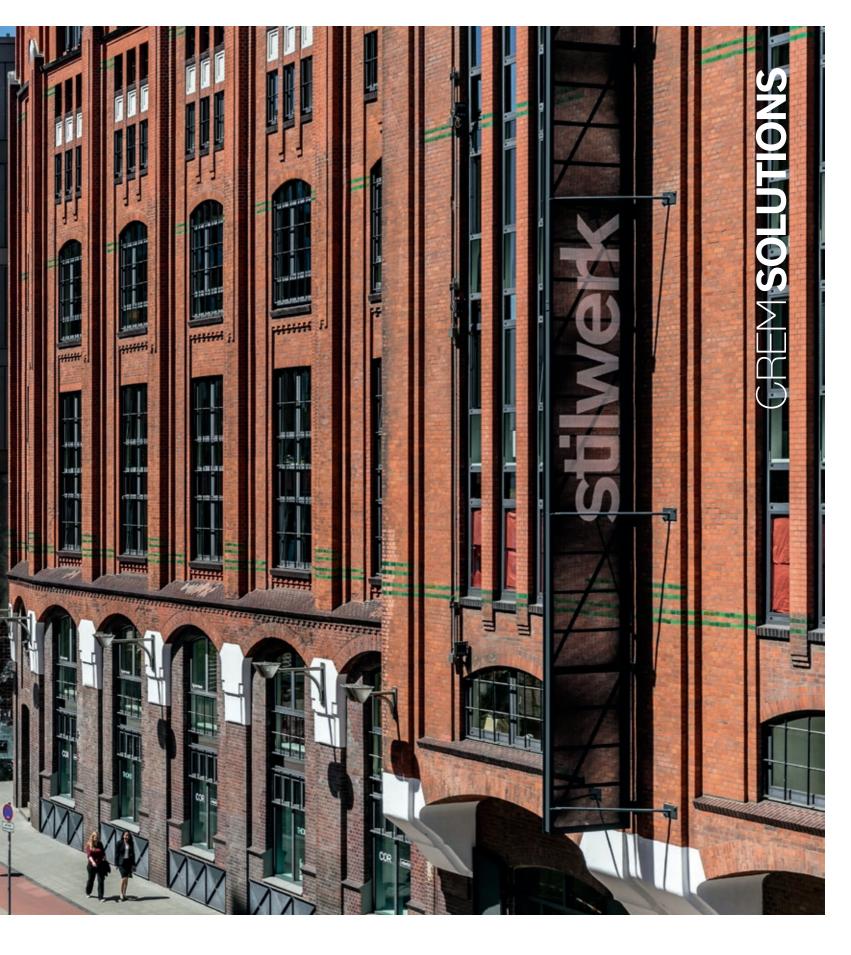
CREM **SOLUTIONS**

Crem Solutions is a leading provider of software solutions for modern commercial property management.

Segment:	01 DESIGN	02 BUILD	**03 MANAGE**	04 MEDIA

Company size:	53 employees

Website: www.crem-solutions.de

Location:	**Ratingen**

Reference project:

stilwerk
Hamburg, Germany

Commercial real estate
management: stilwerk Center-Management GmbH

Project description:

stilwerk brings young design and classics together in a unique retail concept. The use of permanently installed and variable surfaces requires a flexible tool for efficient inventory management. stilwerk Center-Management GmbH uses iX-Haus for commercial property management.

SPACEWELL

Spacewell is a software and technology firm focused on making buildings smarter in the way they work for their occupants.

Website: www.spacewell.com

Segment:	01 DESIGN	02 BUILD	**03 MANAGE**	04 MEDIA

Company size:	170 employees

Locations:	**Antwerp,** Dubai, Heteren, Hyderabad, Mönchengladbach, New York, Paris, Singapore, Stockholm, Zurich

Reference project:

AXA Headquarters
Brussels, Belgium

Building Management: AXA Brussels Headquarters

Project description:

After a full-scale renovation (2014-2017), the nearly zero-energy building in the heart of Brussels welcomed 2,000 employees. The workplace was optimized for activity-based working using IoT sensor data and analytics, powered by Spacewell's COBUNDU™ smart building platform.

MAXON

MAXON Computer is a worldwide leading developer of professional solutions for 3D modeling, painting, animation, and rendering.

Segment:	01 DESIGN 02 BUILD 03 MANAGE **04 MEDIA**
Company size:	136 employees
Locations:	**Friedrichsdorf,** Bedford, Montreal, Newbury Park, Paris, Singapore, Tokyo
Website:	www.maxon.net

MAXON

Reference project:

Falcon Hospital
Guangzhou, China

Visualization: Slashcube GmbH

Project description:

The main task on this project was to showcase the blending of the wooden structure on the façade with the almost floating feeling of the design itself. A more dramatic mood helped to accentuate the building's unique form.

The Group at a glance

82 Locations	**5 million** Users	**16** Brands	**1** Philosophy
Users in **142** Countries	Around **2,500** Employees worldwide	Founded **1963** by Professor G. Nemetschek	OPEN **BIM**

NOTE: This publication is an editorial report about the NEMETSCHEK Group and was published as a non-certified element together with the printed 2018 Annual Report.

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