

**NEMETSCHKE**  
GROUP

---

Building Lifecycle  
Intelligence



COMPETENCES  
& REFERENCES 2020





# Contents

- 03 Building Lifecycle Intelligence
- 05 Collaboration for All Requirements
- 06 BIM Collaboration Examples
- 19 Further Customer Projects
- 20 Design
- 28 Build
- 32 Manage
- 36 Media & Entertainment
- 39 Contact



---

# Building Lifecycle Intelligence

The Nemetschek Group offers market-leading software solutions for the entire AEC/O lifecycle. As a pioneer of the digital transformation of the building industry and one of the leading corporate groups worldwide, Nemetschek covers the entire lifecycle of building projects and guides its customers into the future of digitalization.

## Digitalization

Our solutions improve the digital workflow of all those involved in the building process. This makes it possible to design, build, and manage buildings with greater efficiency, sustainability, and environmental compatibility in terms of resources. We consider the building lifecycle to be a loop in which data is continuously being collected and put to further use. By utilizing the overall “data intelligence”, it is possible to optimize the administration of a building and make better decisions for the next project.

## Open standards

The Nemetschek Group is committed to open industry standards. For more than 30 years, we have been one of the forerunners when it comes to using the digital

working method, Building Information Modeling (BIM), and today we are one of the most important drivers of open standards (OPEN BIM). We would like our customers to be able to use the best software solutions for their individual requirements, and at the same time, be able to collaborate seamlessly with all other disciplines.

## Customer orientation

Our unique structure provides our brands in the four segments Design, Build, Manage and Media & Entertainment with the entrepreneurial freedom to develop innovative, customer-oriented solutions in close collaboration with their customers. Most of a product's new functions are the result of actual customer requirements, and our brands are profiting more and more from the synergies of the Group.



**AIRPORTS,  
RAILWAY & PORTS**



**OFFICES, COMMERCIAL  
BUILDINGS & HOTELS**



**EDUCATIONAL  
FACILITIES**



**RESIDENTIAL  
BUILDINGS**



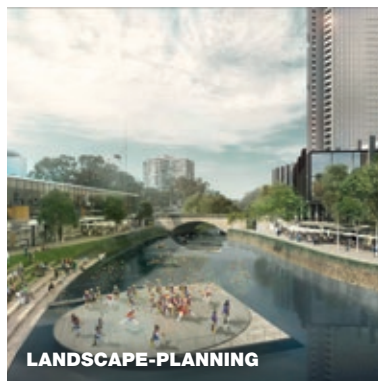
**HEALTHCARE**



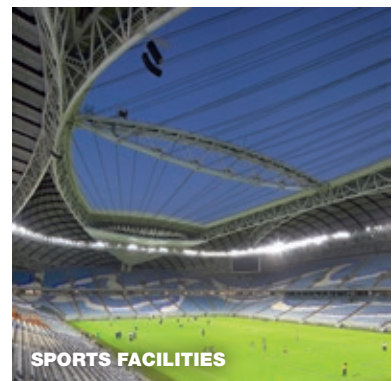
**INFRASTRUCTURE,  
BRIDGES & TUNNELS**



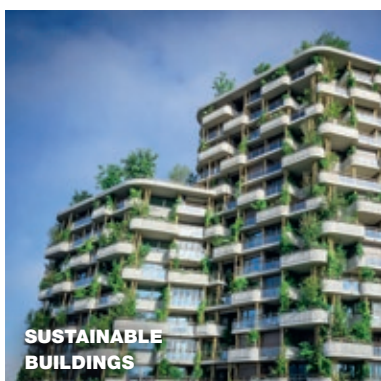
**INTERIOR  
ARCHITECTURE**



**LANDSCAPE-PLANNING**



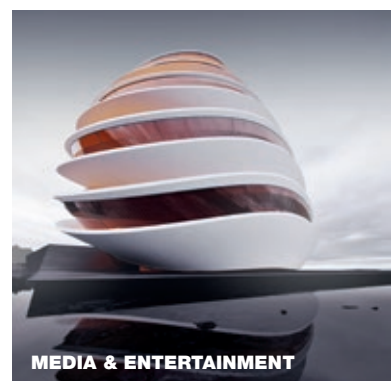
**SPORTS FACILITIES**



**SUSTAINABLE  
BUILDINGS**



**CULTURAL FACILITIES  
& STAGE BUILDING**



**MEDIA & ENTERTAINMENT**



COLLABORATION FOR ALL REQUIREMENTS

Every building project is unique, as are the underlying requirements.

The right solution for any type of project and size of enterprise

Our constructed world is diverse. What is required of any construction project varies according to the function, target groups, geographical location and local conditions. But irrespective of whether it is train stations, hospitals, universities, sports stadiums, streets, bridges, tunnels, residential buildings, or new landscapes being built, the Nemetschek Group delivers innovative software solutions for buildings and projects of any type and scale. The requirements of those involved in the building process are almost as varied as the construction and infrastructure projects themselves. A small architecture office works differently than a big construction company with integrated disciplines. The Nemetschek Group offers the right solutions for any size of enterprise – for work that is efficient and sustainable.

Seamless collaboration across all building project stages – with BIM

Nemetschek develops holistic BIM solutions which cover the entire spectrum – from the design stage to construction and building planning, including the awarding of contracts and final billing, all the way to costing, scheduling, operational accounting and quality management at the construction site. The Nemetschek Group is also a reliable partner when it comes to property management, with solutions for the commercial and technical management of properties as well as smart digital solutions for the world of real estate (property technology). Our products, based on open standards and OPEN BIM, make it possible for architects, civil engineers, building clients, and property managers to collaborate with efficiency and foresight throughout the entire building lifecycle.

**A new district in Brisbane, Australia, a school in Arizona, USA, and one of the world's largest locks in the Netherlands – the scope of BIM projects is wide, as you will see on the following pages.**



OPEN BIM helps bring together stakeholders such as software providers, software users (architects, engineers, and building clients) as well as customers / owners in order to create amazing buildings together. OPEN BIM ensures workflow transparency, longevity, and accessibility of data for constructed buildings, efficiently and seamlessly with no data losses.

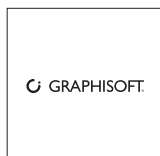




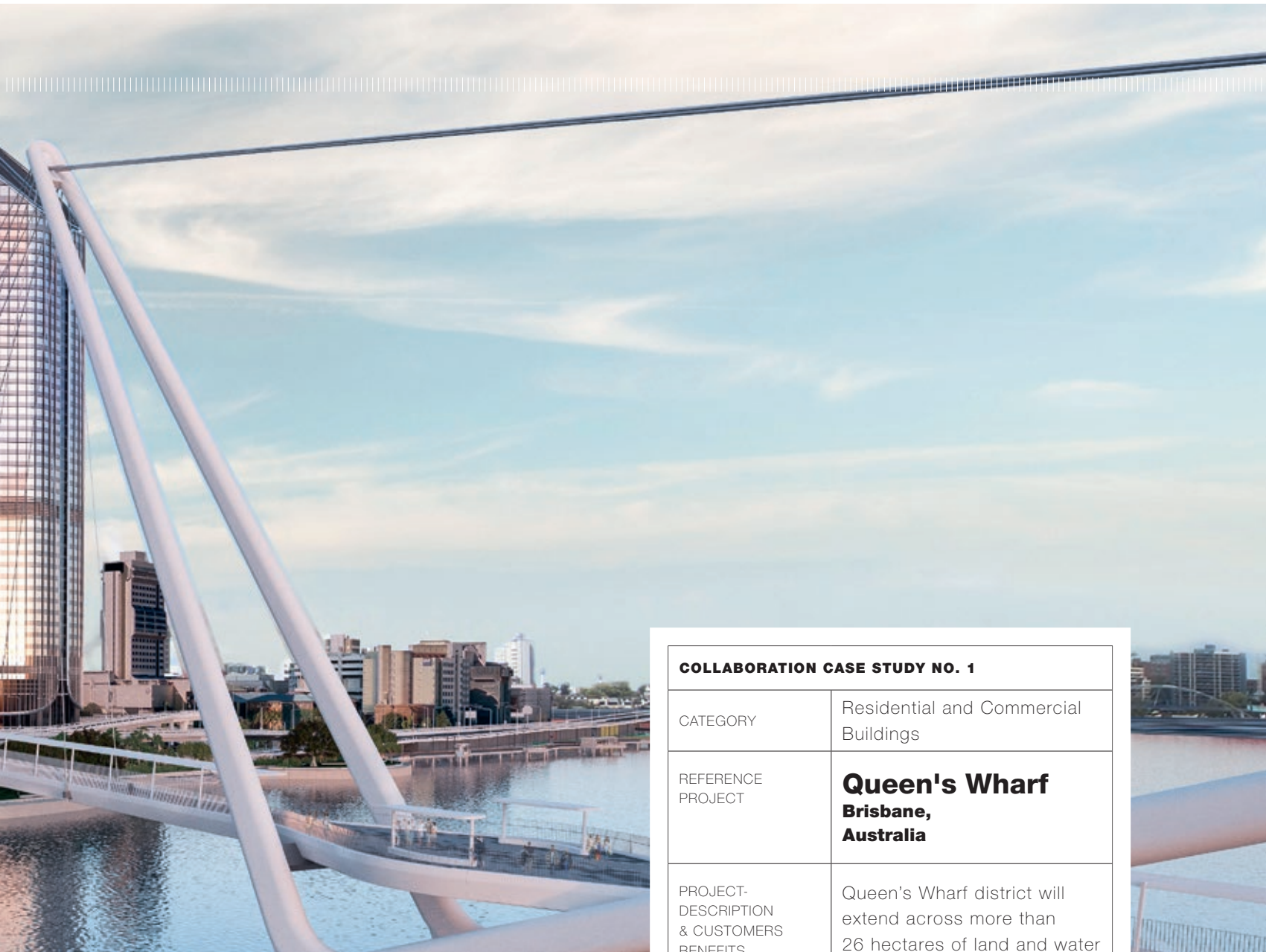
# Integrated approach for Brisbane's new district

**SEGMENTS:** Design + Build

**NEMETSCHEK BRANDS INVOLVED:**







**COLLABORATION CASE STUDY NO. 1**

CATEGORY	Residential and Commercial Buildings
REFERENCE PROJECT	<b>Queen's Wharf Brisbane, Australia</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	Queen's Wharf district will extend across more than 26 hectares of land and water and comprises 50 new bars, cafés and restaurants, hotels as well as 2,000 apartments. OPEN BIM ensures a consistent workflow.

OPEN BIM, end-to-end workflows and an integrated design approach: Queen's Wharf is a role model for any modern construction project

One of the most ambitious construction projects in the world, due for completion in 2022, is being built in Australia. The impressive new district, Queen's Wharf, in Brisbane is being created using software solutions from the Nemetschek Group.

Brisbane is Australia's third largest city. It arose from one of the first European settlements at Queen's Wharf in the early 1800s. This historic site is now being restored and redesigned. The new Queen's Wharf district will extend across more than 26 hectares of land and water and comprises 50 new bars, cafés and restaur-



“This is a project of immense scale, extreme complexity and sheer innumerable levels of information.”

**QUINTON COOPER**, PARTNER, COTTEE PARKER



rants, 2,000 apartments in three residential towers and more than 1,000 premium hotel rooms.

Our brands Bluebeam, dRofus, GRAPHISOFT, and Solibri are delivering software solutions for the design, draft and building phase as well as for the entire collaboration of the megaproject.

The project team led by Cottee Parker Architects have been collaborating digitally in order to plan and coordinate the vast amounts of draft data. They have been using Archicad for drafting, dRofus for data administration, Solibri Office for model testing, and Bluebeam Revu for comprehensive digital documentation. “This is a project of immense scale, extreme complexity and sheer innumerable levels of information,” says Quinton Cooper, Partner and BIM Manger from Cottee Parker Architects. “Working with a Building Information Modeling approach allows the team to clearly organize all of the project’s key information in an easy-to-access, central place.”



The owner, Destination Brisbane Consortium, required that Queen’s Wharf use the vendor-independent OPEN BIM approach, allowing all parties to work with the tools



1 0There will be space here for 2,000 apartments and more than 1,000 premium hotel rooms.

2 A project of impressive dimensions and unparalleled esthetics.

3 A major construction site right in the center of Brisbane. Design and construction need to work hand in hand.



A successful model: data-driven workflows and close collaboration.




they prefer. Gabor Gulyas, Project Lead and Operations Manager for Digital Engineering at DBM Vircon Project Management, explains that interoperability and a consistent OPEN BIM workflow were essential for this project. “There is no way around it when you consider that up to 300 people are working on the design models at the same time in peak periods, coordinating over 200 different models.” DBM Vircon is responsible for the project management of the overall construction project.

Enabled by Archicad from GRAPHISOFT, and following Integrated Design principles, architects and engineers were able to review and check their models in real time. This way, they were able to understand each other’s ideas and identify errors before they could occur at the construction site. Cottee Parker relied on Solibri Office for model testing. The tool is used to check design information for errors before it is issued to the contractors at the construction site, which saves time and money.

With Bluebeam Revu, the project team introduced a digital, paperless workflow. The solution, which is used to digitally review and verify documents, also played an important role in terms of optimization within the OPEN BIM process in the case of Queen’s Wharf. The planning and data management tool dRofus makes it possible for the team to process its data and consolidate the huge amounts of information coming in from multiple sources. The advantage: All the data is kept in one place and all users can easily access it when needed.

The development of the new district in Brisbane, which started in 2013 and is planned to be completed in 2022, has already won two awards – the prestigious “buildingSMART International Award for Best Design” and a 6-star “Green Star Communities” rating for sustainable development.

**SOFTWARE SOLUTIONS USED:**

 <b>BLUEBEAM</b>	Bluebeam Revu
 <b>GRAPHISOFT.</b>	ARCHICAD
 <b>dRofus</b>	dRofus
<b>SOLIBRI</b>	Solibri Office Solibri Anywhere





**COLLABORATION CASE STUDY NO. 2**

CATEGORY | Port, Infrastructure

REFERENCE PROJECT | **Lock Terneuzen, The Netherlands**

PROJECT-DESCRIPTION & CUSTOMERS BENEFITS | The cloud-based platform Allplan Bimplus makes it possible to use information across all disciplines throughout the entire project lifecycle and ensures seamless collaboration.





# Cloud-based BIM platform enables implementation of major project

Information management across the entire project lifecycle as the key to success

**SEGMENT:** Design

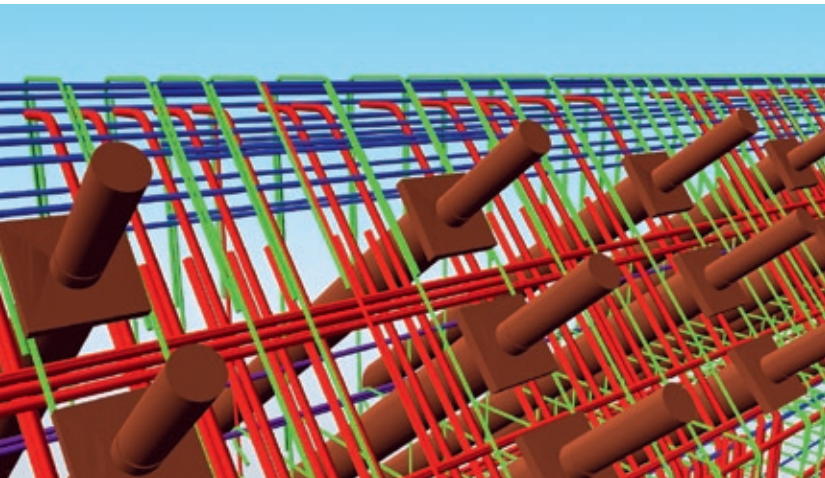
**NEMETSCHEK BRANDS INVOLVED:**

ALLPLAN

SCiA

With a length of 427 meters, a width of 55 meters and a depth of 16.4 meters, the new Terneuzen lock in the Netherlands will be one of the largest locks in the world. As of 2023, it will accommodate bigger vessels and extend capacity along the shipping route between Paris and Rotterdam. This inland shipping route is one of the most used waterways and an important connection in Europe. The new lock will enable the smooth flow of inland vessels between the Netherlands, Belgium, and France while providing passage for seagoing vessels. During the massive construction project, it must





Thanks to the BIM management and data management platform Bimplus, it is possible for all the designers to easily review the reinforcement drafts.

“We gain time, efficiency and accuracy by working collaboratively in one BIM model.”

**SILVY SANTOSA,**  
BIM SPECIALIST, BAM INFRACONSULT





The new lock is to enable the smooth flow of inland vessels between the Netherlands, Belgium, and France while providing passage for seagoing vessels.

be ensured that, among other things, the current shipping routes can still be maintained. In order to do this, Sassevaart, the joint venture responsible for designing and constructing the new Terneuzen Lock in the Netherlands relies on the digital working method Building Information Modeling (BIM) and uses Allplan Bimplus as the data management platform for the reinforcement process, from the drafting through to the implementation. Allplan Bimplus makes it possible to use information across all disciplines throughout the entire project lifecycle. This ensures seamless collaboration. In addition, the integrated static engineering and measuring software, SCIA Engineer, is used on this project. This allows for the planning of structures of any type or size.

Since many complex operations are being performed at the same time, the project poses sophisticated technical challenges and allows very little room for error or reworking. The middle lock will remain open for most of the construction period. During this time, a temporary shipping channel will be in operation. As a result of the dredging work, up to 13 million cubic meters of sediment will be removed; this will either be reused or disposed of via pipelines through the construction site. In total, 300,000 cubic meters of concrete will be poured, 32,000 tons of reinforcement steel will be required for

strengthening the concrete construction, and 60,000 tons of steel will be installed. In order to coordinate the many concurrent activities, BIM has been adopted as the working method for coordinating the collaborative work between the project stakeholders during all stages of construction. By using the cloud-based BIM management and data management platform Bimplus, it is possible for all the designers to easily review the reinforcement drafts and provide feedback, as well as assign and track tasks for change management.

Silvy Santosa, BIM Specialist at BAM Infraconsult, says: "We gain time, efficiency and accuracy by working collaboratively in one BIM model and gathering and sharing the information on one platform, while also avoiding the loss of information. Therefore, creating and managing the information in our BIM model across the entire project lifecycle is the key to the success of this project. ALLPLAN's digital platform, Allplan Bimplus, plays an important role in the 3D reinforcement process," adds Silvy Santosa.

Allplan Bimplus enables all those involved in the project to access the centralized BIM model and optimize their own processes accordingly. Consequently, the entire team has a much better overview. It is possible to identify clashes in the reinforcement at an early stage. Moreover, this allows for the integration of sequencing, logistics and health and safety requirements during the planning. While the construction process is still underway, Allplan Bimplus has already become an essential part of managing the project.

<b>SOFTWARE SOLUTIONS USED:</b>	
<b>ALLPLAN</b>	Allplan Allplan Bimplus
<b>SCIA</b>	SCIA Engineer



**COLLABORATION CASE STUDY NO. 3**

CATEGORY Educational Facility

REFERENCE PROJECT  
**School Building  
Holbrook, MA,  
USA**

PROJECT-DESCRIPTION & CUSTOMERS BENEFITS  
The use of OPEN BIM at Holbrook School ensures efficient collaboration and allows architects, engineers and building experts to work with the software they prefer.



# An excellent use of OPEN BIM

Nemetschek solutions enable the construction of a school building awarded for sustainability



Modern campus with characteristic semicircular main building.

**SEGMENTS:** Design + Build

**NEMETSCHKEK BRANDS INVOLVED:**



Open Building Information Modeling (BIM) – or OPEN BIM for short – paved the way for the designing of a new school for the City of Holbrook, in the State of Massachusetts, USA. The architecture office Flansburgh Architects, based in Boston, was awarded the Leadership in Energy and Environment (LEED) Gold certification for sustainable building for this construction project. In this case, the architects opted for software solutions from the Nemetschek Group such as Vectorworks, Bluebeam and Solibri. OPEN BIM ensured efficient collaboration in the project and, at the same time, allowed architects, engineers and





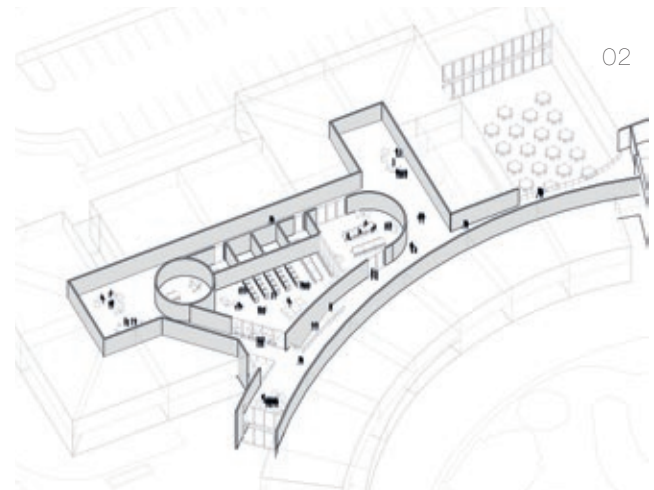
“OPEN BIM allowed the multidisciplinary design team to use the solution they each liked best.”

**BRIAN HORES**, BIM MANAGER, FLANSBURGH ARCHITECTS

- 1 Unmistakable copper plate system for the siding – timeless with natural elegance.
- 2 The front of the main building forms a semicircle around the campus premises connecting the elementary school with the middle and high schools.
- 3 The new building measures more than 18,500 square meters, extending across two stories.

building experts to work with the software they prefer. The new school consolidates the three previous Holbrook schools into one building, which can accommodate the more than 1,000 students from preschool to Grade 12. The new building measures more than 18,500 square meters, extending across two stories. The front of the building is a semicircle encompassing the campus premises. It connects the entrance to the elementary school at one end with the entrance to the middle and high schools at the other end of the curve. The jointly used rooms such as the gymnasium, art rooms, cafeteria, media center and auditorium as well as the surrounding academic buildings are directly accessible via this main thoroughfare. The special character of the semicircular building is further underscored by the material of the façade – an unmistakable pre-patinated copper plate system. This building material was chosen for its timeless quality and serves as a natural backdrop for the new campus greenery.

Prior to the Holbrook project, Flansburgh Architects were already using BIM on the internal design team for architecture documentation and coordination. “Implementing BIM for coordination was a very intuitive process for us,” explains Brian Hores, BIM Manager







The new school combines Holbrook's three previous schools into one building.

at Flansburgh Architects. "We've been using BIM for years because it provides us with a collaboration model with various types of data. The challenge then lay in extending the collaboration to include the consulting engineers and pass on the models for this specific project to the construction team. That's why we decided to switch to OPEN BIM. This allowed the multi-disciplinary design team to use the solution they each liked best."

In the case of the new Holbrook school, Flansburgh Architects opted for Vectorworks for the design. The use of an OPEN BIM process made it possible to import, export and reference the data from all of the consultants and subcontractors. Although the engineers developed structural engineering and TGA models in other software tools, thanks to Vectorworks, it was possible to process the IFC files in an OPEN BIM exchange, ensuring a seamless workflow. Solibri Office was used for quality control and model verification allowing users to detect clashes and avoid errors. Bluebeam was used during the construction process for the documentation of approvals and comments as well as for the overall coordination and the distribution of drawings to the project stakeholders.

Delivered successfully: "The Holbrook project was awarded the LEED Gold certificate. It ranks highly with 35 percent water savings and 34 percent energy savings over comparable projects," says Kent Kovacs, Vice President and Principal in Charge at Flansburgh Architects.

<b>SOFTWARE SOLUTIONS USED:</b>	
 <b>VECTORWORKS</b>	Vectorworks Designer Vectorworks Architect
<b>SOLIBRI</b>	Solibri Office Solibri Anywhere
 <b>BLUEBEAM</b>	Bluebeam Revu





CATEGORY	Commercial Building
BRAND	Maxon
REFERENCE PROJECT	<b>Copper Factory</b> <b>Tulufan,</b> <b>China</b>





# Further Customer Projects

Impressive architecture, state-of-the-art structural engineering, sustainable construction, and efficient management: our clients' projects are diverse.

ARCHITECTURE | ENGINEERING | CONSTRUCTION | OPERATIONS (AEC/O)

DESIGN

ALLPLAN

GRAPHISOFT

VECTORWORKS

SCIA

DATA DESIGN SYSTEM

FRILO

dRofus

IRISA

SOLIBRI

BUILD

NEVARIS

BLUEBEAM

SDS2

MANAGE

CREM SOLUTIONS

SPACEWELL

MEDIA & ENTERTAINMENT

MAXON



# Andisid

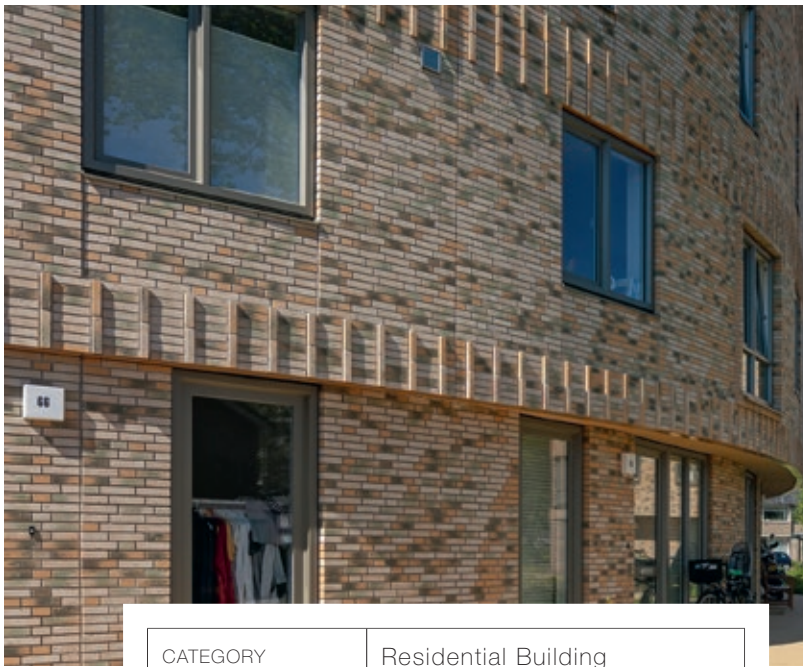






CATEGORY	Rail Terminal, Infrastructure
BRAND	Vectorworks
REFERENCE PROJECT	<b>Ülemiste Terminal</b> <b>Tallinn,</b> <b>Estonia</b>





CATEGORY	Residential Building
REFERENCE PROJECT	<b>The Italiëlaan Haarlem, The Netherlands</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	Using BIM, herren 5 architecten were able to seamlessly collaborate with contractors on The Italiëlaan, a four-building residential park in Haarlem.



**SEGMENT:** Design

**SOLUTION:**  
Vectorworks Architect

**WEBSITE:** [www.vectorworks.net](http://www.vectorworks.net)



## SOLIBRI

**SEGMENT:** Design

**SOLUTIONS:**  
Solibri Office, Solibri Anywhere

**WEBSITE:** [www.solibri.com](http://www.solibri.com)

CATEGORY	Residential and Commercial Buildings
REFERENCE PROJECT	<b>Battersea Power Station London, Great Britain</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	Retaining the Power Station's sense of scale and visual drama is key to the project. The designs respect the integrity of the historic landmark whilst also creating a new state-of-the-art events space.





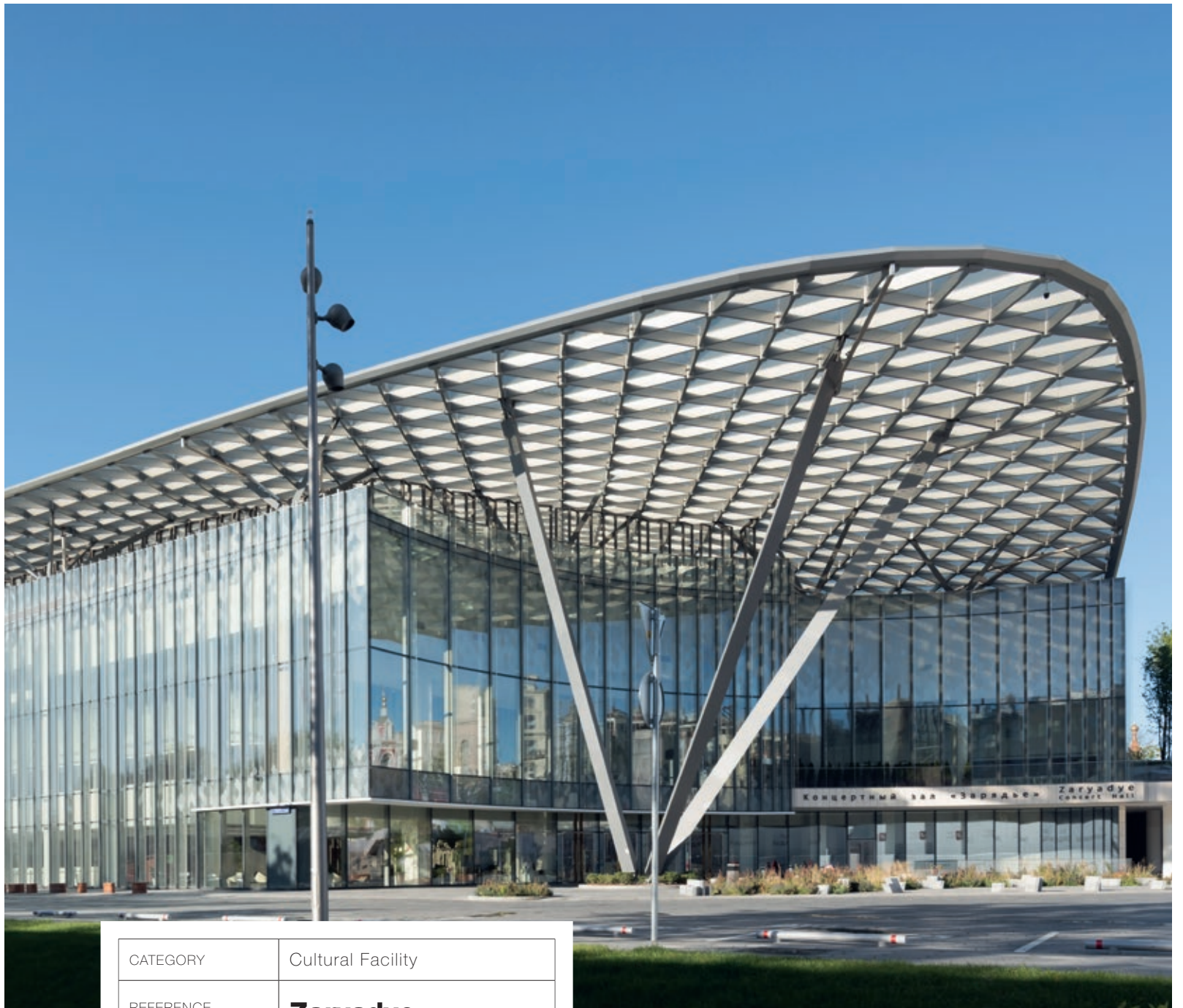
CATEGORY	Airport, Infrastructure
REFERENCE PROJECT	<b>The Circle Zurich, Switzerland</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	The Circle Zurich Airport was the largest building construction project in Switzerland with an investment sum of around one billion Swiss francs. Thanks to the 3D design with Allplan, the project partners were able to efficiently manage the challenges posed by the building dimensions.

# ALLPLAN

**SEGMENT:** Design

**SOLUTION:**  
Allplan

**WEBSITE:** [www.allplan.com](http://www.allplan.com)



CATEGORY	Cultural Facility
REFERENCE PROJECT	<b>Zaryadye Concert Hall</b> <b>Moscow, Russia</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	Successful implementation of the latest BIM technologies enabled a construction period of only three and a half years, including design and construction. The unique project is considered one of the best concert halls in the world.

**GRAPHISOFT®**

**SEGMENT:** Design

**SOLUTION:**  
ARCHICAD

**WEBSITE:** [www.graphisoft.com](http://www.graphisoft.com)





CATEGORY	Hotel
REFERENCE PROJECT	<b>Conference Hotel Travemünde, Germany</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	Initially, the hotel was designed to have four full floors. When it was later decided to add a 5th floor, the model-based work was of great use, enabling the planning to be quickly adapted to the previously developed building model.



## DATA DESIGN SYSTEM

**SEGMENT:** Design

**SOLUTION:**  
DDS-CAD Elektro

**WEBSITE:** [www.dds-cad.net](http://www.dds-cad.net)

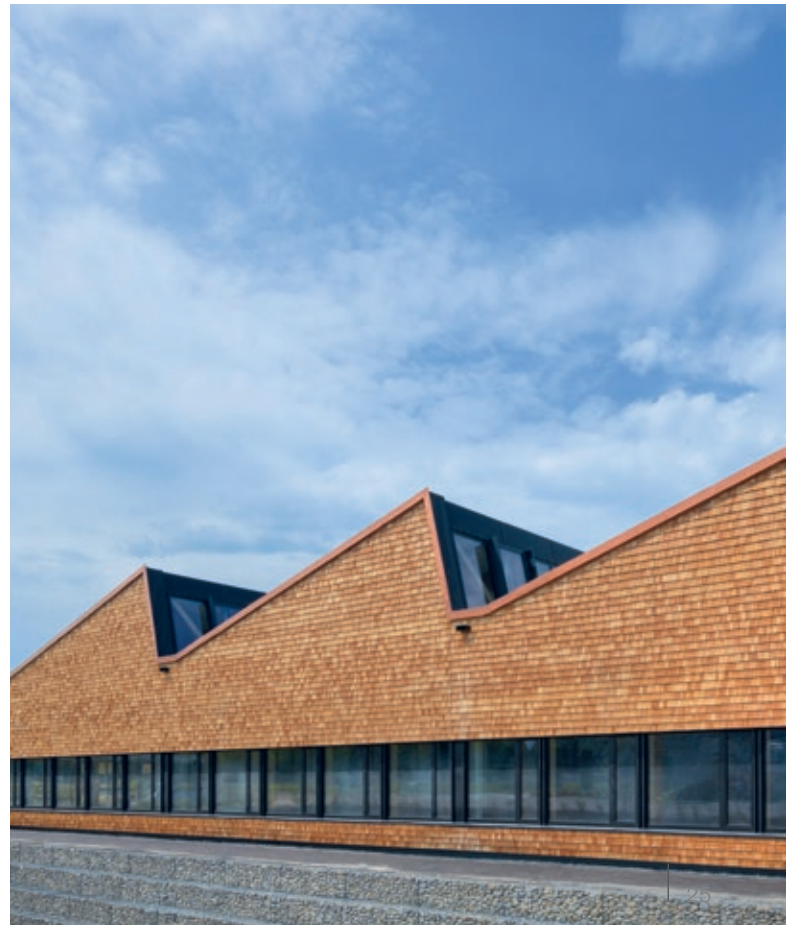
## FRILO

**SEGMENT:** Design

**SOLUTIONS:**  
Various structural analysis programs  
(et al. HO13+ Timber Truss Nodes)

**WEBSITE:** [www.frilo.eu](http://www.frilo.eu)

CATEGORY	Commercial Building
REFERENCE PROJECT	<b>Production Hall Leutkirch, Germany</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	HELBER+RUFF have used the FRILO timber construction programs in the design of many detailed timber frames. This shortens the time required for the design and dimensioning of truss nodes quite considerably.







CATEGORY	Educational Facility
REFERENCE PROJECT	<b>Campus Schoonmeersen Ghent, Belgium</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	Despite the fact that the engineering model consists of over 2600 elements, it remained well-organised and easy to use thanks to the application of layers and the useful quick-selection tool.



**SEGMENT:** Design

**SOLUTION:**  
SCiA Engineer

**WEBSITE:** [www.scia.net](http://www.scia.net)



**SEGMENT:** Design

**SOLUTION:**  
RISA-3D

**WEBSITE:** [www.risa.com](http://www.risa.com)

CATEGORY	Educational Facility
REFERENCE PROJECT	<b>Student Union Greensboro, NC, USA</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	RISA was the clear choice due to its ability to easily edit members or boundary conditions, allowing seamless evaluation of multiple design iterations.





CATEGORY	Cultural Facility
REFERENCE PROJECT	<b>Munch Museum Oslo, Norway</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	The project utilized dRofus for room and equipment coordination and planning, as well as collecting product data and documentation.



**SEGMENT:** Design

**SOLUTION:**  
dRofus

**WEBSITE:** [www.drofus.com](http://www.drofus.com)



# Build

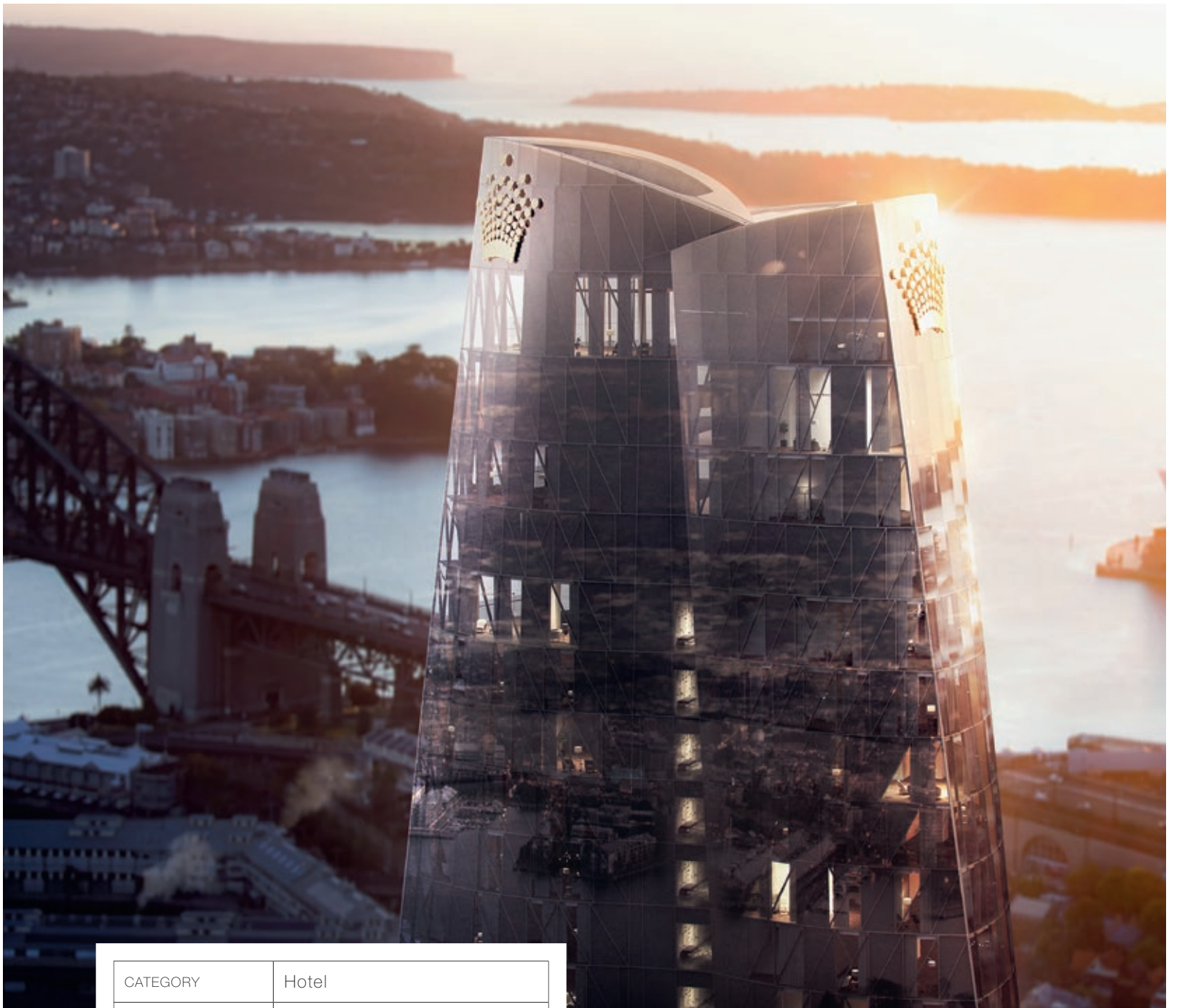






CATEGORY	Office Building
BRAND	SDS/2
REFERENCE PROJECT	<b>400 West Georgia Vancouver, Canada</b>





CATEGORY	Hotel
REFERENCE PROJECT	<b>Crown Sydney</b> <b>Sydney,</b> <b>Australia</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	When the Covid-19 pandemic hit Australia, the project team relied on Revu for remote collaboration enabling them to complete the project on time.



**SEGMENT:** Build

**SOLUTION:**

Revu

**WEBSITE:** [www.bluebeam.com](http://www.bluebeam.com)





CATEGORY	Residential and Commercial Buildings
REFERENCE PROJECT	<b>Frankfurt FOUR</b> Frankfurt / Main, Germany
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	With the use of NEVARIS software solutions, the construction of the four high-rise buildings with heights from 100 to 228m was planned, executed, and managed successfully.

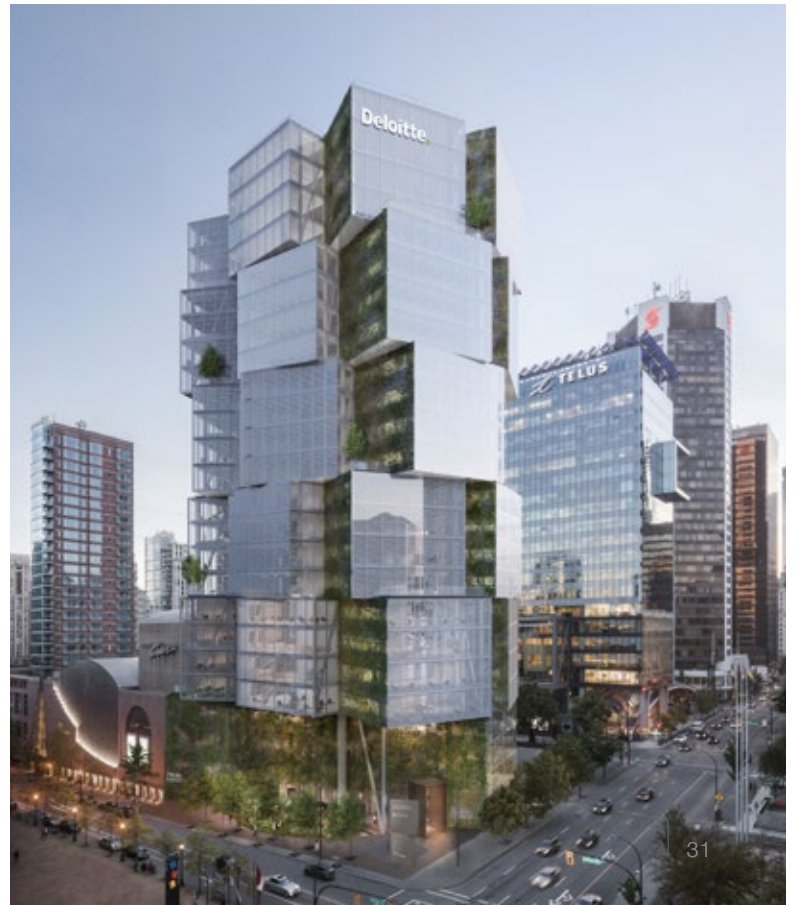


**SEGMENT:** Build  
**SOLUTIONS:** NEVARIS Build, NEVARIS Finance  
**WEBSITE:** [www.nevaris.com](http://www.nevaris.com)



**SEGMENT:** Build  
**SOLUTION:** SDS2  
**WEBSITE:** [www.sds2.com](http://www.sds2.com)

CATEGORY	Office Building
REFERENCE PROJECT	<b>400 West Georgia</b> Vancouver, Canada
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	The LEED® Platinum office building was conceived as a playful aggregation of reflective yet transparent stacked boxes, which was easy to plan and visualize with SDS2.











CATEGORY	Healthcare
BRAND	Spacewell
REFERENCE PROJECT	<b>Maria Middelaes Hospital</b> <b>Ghent, Belgium</b>

# Manage





CATEGORY	Office Building
REFERENCE PROJECT	<b>Gare Maritime Brussels, Belgium</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	The goal was to optimize space and comfort in an activity-based work environment. Accenture implemented the solutions from Spacewell to improve overall space utilization.



**SPACEWELL**

**SEGMENT:** Manage

**SOLUTIONS:**  
Cobundu Space Monitor, Cobundu Comfort

**WEBSITE:** [www.spacewell.com](http://www.spacewell.com)



CATEGORY	Office Building
REFERENCE PROJECT	<b>Think Tank</b> <b>Karlsruhe,</b> <b>Germany</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	In Karlsruhe's hi-tech Oststadt area, Hoepfner Bräu is planning a think tank, creating a remarkable counterpoint next to the historic Hoepfner Castle. Hoepfner Bräu runs all digital property management processes with iX-Haus.

## CREM SOLUTIONS

**SEGMENT:** Manage

**SOLUTION:**  
iX-Haus

**WEBSITE:** [www.spacewell-germany.com](http://www.spacewell-germany.com)





CATEGORY	Bridge, Infrastructure
BRAND	Maxon
REFERENCE PROJECT	<b>King Salman Bridge</b> <b>United Arab Emirates</b>







# Media & Entertainment





CATEGORY	Sports Facility
REFERENCE PROJECT	<b>Soccer Stadium Chengdu, China</b>
PROJECT-DESCRIPTION & CUSTOMERS BENEFITS	A proposed design for the new football stadium in Chengdu by Zaha Hadid. The images were created to highlight the delicate metallic skin of the stadium as well as the connection between the stadium and the big public space.

# MAXON

**SEGMENT:** Media & Entertainment

**SOLUTION:**  
Cinema 4D

**WEBSITE:** [www.maxon.net](http://www.maxon.net)



---

## PICTURE CREDITS

---

*Cover and inside, page 30:* Crown Sydney, Sydney, Australia;  
Architects: Bates Smart; Engineering office: Robert Bird Group;  
Visualization: Floodslicer; Image: Samantha Roberts

---

*Pages 4 and 23:* The Circle, Airport Zurich, Switzerland;  
Architects: rlc ag; Image: Flughafen AG Zurich

---

*Pages 4 and 14–17:* New Holbrook School, Holbrook, USA;  
Architects: Flansburgh Architects

---

*Page 4:* Cordeel Headquarters, Temse, Belgium;  
Engineering office: Ney & Partners;  
Image: Limeparts-Drooghmans and Studio PSG

Villanova Icône, Paris, France;

Architects: Hamonic + Masson & Associés

Kingaroy Hospital, Australia; Architects: Conrad Gargett

Queensferry Crossing, Edinburgh, Great Britain;

General planner: Leonhardt, André und Partner;

Image: Liam Anderstrem

Van Roey Group Headquarters, Rijkevorsel, Belgium;

Building management: Van Roey Services

Parramatta, Sydney, Australia;

Architects: McGregor Coxall; Image McGregor Coxall

Al Janoub Stadium, Al Wakrah, Qatar; Engineering office: AECOM

High-rise Aglaya, Rotkreuz, Switzerland;

Precast elements: Nägele Betonfertigteile- und Transportbetonwerk

Lake Stage, Bregenz, Austria; Engineering office: ZT-Büro Lener

Visualization: Exorbitart, Benjamin Springer

---

*Pages 6–9:* Queen's Wharf, Brisbane, Australia;  
Architects: Cottee Parker; Images: Destination Brisbane Consortium

---

*Pages 10–13:* Lock Terneuzen, The Netherlands;  
Engineering office: BAM Infraconsult;  
Images: Van der Kloet Foto & Videoproducties  
and Nieuwe Sluis Terneuzen

---

*Pages 18–19:* Tulufan Copper Factory, China;  
Visualization: Slashcube, Thomas Vournazos

---

*Pages 20–21:* Ülemiste Rail Terminal, Tallinn, Estonia;  
Architects: 3+1 Architects

---

*Pages 22–23:* The Italiëlaan, Haarlem, The Netherlands;  
Architects: heren5 architecten; Image: Luuk Kramer

Battersea Power Station, London, Great Britain;

Architects: Wilkinson Eyre; BIM consultant: Evolve Consultancy

---

*Pages 24–25:* Concert Hall Zaryadye, Moscow, Russia;  
Architects: CPU Reserve; Image: Iliya Ivanov

Conference Hotel, Travemünde, Germany; Architects: Kruse Architekten

Production Hall, Leutkirch, Germany;

Engineering office: HELBER + RUFF; Image: Rainer Retzlaff

---

*Pages 26–27:* Campus Schoonmeersen, Gent, Belgium;  
Architecture and engineering office: Bureau Partners

Student Union, Greensboro, USA; Engineering office: Stewart

Munch Museum, Oslo, Norway; Administration: Municipality Oslo;

Image: Tove Laluten

---

*Pages 28–29 and 31:* 400 West Georgia, Vancouver, Canada;  
Steel detailer: Supermetal

---

*Page 31:* Frankfurt FOUR, Frankfurt / Main, Germany;  
Engineering office: Hölscher Wasserbau GmbH

---

*Pages 32–33:* Maria Middelaers Hospital, Ghent, Belgium;  
Provider: AZMM

---

*Pages 34–35:* Gare Maritime, Brussels, Belgium;  
Building management: Accenture

Think Tank, Karlsruhe, Germany;

Architects: Schneider + Schumacher;

Owner: Hoepfner Bräu Friedrich Hoepfner Verwaltungsgesellschaft

---

*Pages 36–37:* King Salman Brigde, United Arab Emirates;  
Visualization: Slashcube, Thomas Vournazos

---

*Page 38:* Chengdu Soccer Stadium, China;  
Visualization: Slashcube, Thomas Vournazos

---

Nemetschek SE  
Konrad-Zuse-Platz 1  
81829 Munich

Tel.: +49 89 540459-0

Fax: +49 89 540459-414

investorrelations@nemetschek .com

www.nemetschek .com

---

NOTE: The printed Annual Report is accompanied by a non-certified editorial report about the Nemetschek Group, which can also be downloaded as a separate PDF.

---



---

**NEMETSCHKEK**  
GROUP

Nemetschek SE  
Konrad-Zuse-Platz 1  
81829 Munich  
Tel.: +49 89 540459-0  
Fax: +49 89 540459-414  
[investorrelations@nemetschek.com](mailto:investorrelations@nemetschek.com)  
[www.nemetschek.com](http://www.nemetschek.com)

