

## **Background Information International High-Rise Award 2022/23**

Frankfurt/Main, November 08, 2022

### **Winner**

Quay Quarter Tower, Sydney, Australia

### **Architects**

3XN, Copenhagen, Denmark

### **Real Estate Developer**

AMP Capital, Sydney, Australia

### **International High-Rise Award 2022/23 Statuette**

### **Exhibition**

Best High-Rises – International High-Rise Award 2022/23

### **International High-Rise Award 2022/23 Partners**

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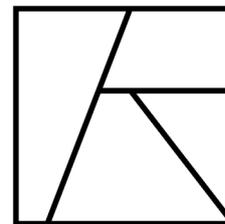


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## Winner



Photo: © Adam Mork

### **Quay Quarter Tower, Sydney, Australia**

Winner International High-Rise Award 2022/23

Architects: 3XN, Copenhagen, Denmark

Client: AMP Capital, Sydney, Australia

Main use: Offices, retail

Height: 206 m

Completion: April 2022

Location: Sydney, Australia

The *Quay Quarter Tower* is an identity-generating part of the redevelopment of Sydney's central business district, the Circular Quay Area. It adjoins Sydney Cove, the bay behind the famous opera house. The site was previously occupied by a classic office tower that no longer met today's requirements. Instead of demolishing the building, as was usually the case in the past, it was decided to integrate large parts of the existing supporting structure into a new high-rise building. In this way, two thirds of the beams, columns and floor slabs as well as almost the entire core built in the 1970s could be retained. These main aspects of the radical sustainability concept helped save almost 7,500 tons of carbon dioxide compared to a complete demolition and conventional new construction.

The cantilevered modules on the façade, which wrap around the tower's five sections, reduce direct sunlight entering the *Quay Quarter Tower* by up to 30 percent. Among other things, this has eliminated the need for internal blinds while ensuring unparalleled views of the harbor. Moreover, the addition of new stories, the expansion of existing floors, and the new podium added

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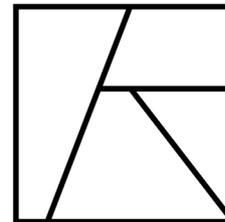
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45,000 square meters of floor space, thus making much more efficient use of the site at this prominent location.

The formal silhouette of the high-rise building was derived from the surrounding context, taking into account lighting conditions, sightlines, and building code requirements. The building is divided into five volumes stacked on top of each other. Toward the harbor, the floors within these five units are connected by multi-story atria. The rotated arrangement of the volumes creates exterior terraces, which are distributed over the entire height of the building and directly linked to the interior atria.

To generate views not only of the neighboring building, but also to capture the energy and dynamics of the surrounding neighborhood and views of the Harbour Bridge, the lower levels on the tower's north façade are angled westward. As the building rises, the northern façade shifts to the east, allowing expansive views of the harbor, particularly of the Opera House, the Harbour Bridge, and the Botanical Gardens.

By breaking with the repetitive principle of autonomous office floors, new opportunities for human interaction are created. Thus, the atria and terraces function as communal spaces for professional networking or social encounters, for events and relaxation. By bringing additional daylight deep into each level, offering tenants fresh air and excellent views, the high-rise provides a healthy working environment with a high amenity quality.

In order to facilitate the longest possible use of the high-rise building in the future, the 2,000 square meter floors feature flexible floor plans that can be adapted as needed. Working environments with both individual and open-plan offices are feasible. To this end, the size of the atria can be adapted to tenant requirements by closing or removing floors. In this way, the atria, which are called "villages" by the architects, can respond to changing team or company sizes.

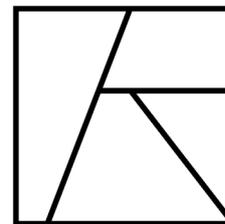
At street level, the podium of the *Quay Quarter Tower*, which occupies the entire block, blends harmoniously into the urban environment. Various points of entry on all sides link the high-rise with its surroundings. The tower's large entrance hall and the open base structure are inviting and take advantage of Sydney's pleasant climate. In addition to the 4,000 square meters of retail space on three levels, the publicly accessible green gardens and a rooftop café in the midst of the densely built-up district invite visitors to linger outdoors. The combination of office and retail, along with the diverse range of leisure activities, enhances the inner-city neighborhood and public space and enlivens it beyond working hours. At the same time, unexpected urban retreats are created in the high-rise cityscape.

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## Architects

### 3XN, Copenhagen, Denmark

The design of *Quay Quarter Tower* was led by Kim Herforth Nielsen (Founder and Creative Director of 3XN) and Fred Holt (3XN Partner and Australian Studio Director). In addition to Kim and Fred, Audun Opdal and Jeanette Hansen (3XN Partners) formed the design competition leadership.

3XN was founded in 1986 by Kim Herforth Nielsen and has more than 35 years of experience in creating cultural, office and residential environments, which positively affect behaviour, productivity and social interaction. The studio is driven by the belief that “architecture shapes behaviour” – that buildings should add new and positive qualities to their environments and improve the quality of people’s lives. In each new project, 3XN carefully investigates site, climatic conditions, user needs, client brief, programming and functionality, seeing complexity as a positive creative force. A commitment to the highest standards of sustainability and design excellence unites the studio’s portfolio, combining the playful and poetic with the renewable and resilient.

In 2007, 3XN extended with a research and innovation department “GXN Innovation”, whose research and prime services in Behavioural-, Circular-, and Parametric design channels directly into 3XN’s designs and strategies to meet the challenges of the 21st century. The synergy between 3XN and GXN – between practice and research – makes it possible to design some of the groundbreaking structures in the world.

3XN employs more 200 architects and researchers of 30 different nationalities, and has offices in Copenhagen (HQ), Sydney, New York, London and Stockholm.

## Real Estate Developer

### AMP Capital, Sydney, Australia

AMP Capital is a Sydney-based global investment manager founded in 1849 with a strong presence in Australia and New Zealand. Additional offices are located in China, Dubai, Hong Kong, India, Japan, Luxembourg, Singapore, UK and USA. A particular focus is on real estate and infrastructure.

## International High-Rise Award 2022/23 Statuette

Thomas Demand is a reputed international artist and was brought on board by DekaBank to design the award statuette. Since 2004, the symbol of the International High-Rise Award is made anew every two years and bestowed on the respective winner. For the tenth award, the artist has designed a new

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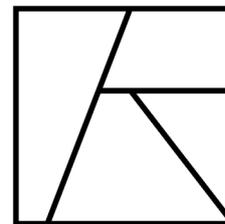
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version of the statuette. The work implements the further development and refinement of the technologies used. The statuette, based on a high-resolution scan of a model, consists of striking wafer-thin layers of titanium made using an electron-ray melting technology (EBM) which means they can be layered. The process, which is otherwise mainly used to manufacture medical implants and in the aerospace and automotive industries, is currently considered the most innovative method of rapid manufacturing.

A building consists first and foremost of ideas that then take form during the design phase as concepts, plans, data and presentations, later as contracts, lists of claims, agreements, etc. – a tower of documents representing the genesis from the first ideas to the realization.

## **Exhibition**

### **Best High-Rises – International High-Rise Award 2022/23**

November 10, 2022 – January 22, 2022

The DAM as guest at the Museum Angewandte Kunst  
Schaumainkai 17, 60594 Frankfurt/Main, Germany

### **museum angewandte kunst**

Opening hours: Tue, Thu – Fr 12.00 – 18.00 / Wed 12.00 – 20.00 / Sat – Sun  
10.00 – 18.00 / Mon closed

Guided tours: On Saturdays and Sundays at 13.30, led by Yorck Förster

This year, 34 projects from 13 countries were nominated for the International High Rise Award. In a similar way to the situation two years ago, a considerable decline in high-rises completed was to be observed. In many countries, delays occurred as a result of the COVID-19 pandemic, along with both the associated supply chain problems and labor shortages. Nevertheless, as in previous years, it was still the case that nowhere in the world were as many high-rises erected as in China. It was here that approximately every third new building which meets the brief of being at least 100 meters high was to be found and nowadays it is increasingly local architectural practices that are being commissioned with the designs. However, in other parts of the world, too, the “high-rise” is becoming an ever-more established type, as is obvious from a glance at the buildings nominated.

The International High-Rise Award 2022/23 shows recently finished projects which are displaying extraordinary aesthetics, trailblazing design and sustainability as well as innovative technology and economic efficiency.

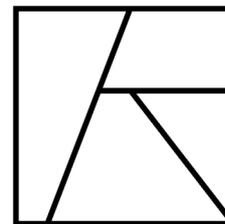
The exhibition presents all nominated buildings. The winning project *Quay Quarter Tower* in Sydney by 3XN and the finalists *Vancouver House* in

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Vancouver by BIG – Bjarke Ingels Group, *The Bryant* in New York City by David Chipperfield Architects, *Trillple Towers* in Vienna by Henke Schreieck Architekten and *Singapore State Courts* in Singapore by Serie+Multiply with CPG Consultants are documented in the show by means of models, large-scale photos, drawings, texts and films.

Exhibition catalogue

**Best High-Rises 2022/23**

The International High-Rise Award / Internationaler Hochhaus Preis



Ed: Peter Körner / Peter Cachola Schmal / Jennifer Dyck

Jovis Verlag, Berlin

German-English, hard cover, 21 x 27 cm

152 pages, numerous colored and b/w illustrations

ISBN 978-3-86859-766-0

11.2022

EUR 29,- at the museum shop, EUR 34,- at book stores

## **International High-Rise Award 2022/23 Partners**

### **City of Frankfurt**

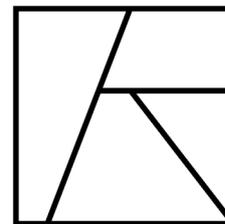
Frankfurt is the dynamic financial and cultural center with Germany's most impressive skyline. Thanks to its outstanding infrastructure, Frankfurt at the center of the FrankfurtRhineMain region is not only very easy to reach, but also very well networked. With some 60,000 companies, 650,000 jobs, 248 square kilometers of space, and 700,000 inhabitants from 180 different nations, Frankfurt is a vibrant and diverse metropolis where everything is close at hand. Renowned sights, such as the Imperial Cathedral and the Paulskirche, the cradle of German democracy, are both located not far from the high-rises, as are Frankfurt's riverside museums. These museums form the core of Frankfurt's museum world, an impressive synthesis of attractive cultural highlights and exciting urban planning. The theaters are another great ambassador for Frankfurt as a city of culture and their artistic output thrills the international cognoscente. Frankfurt forges a skillful bridge between the traces of the past and contemporary architecture, and thus between tradition and modernity – Frankfurt stands for remarkable continuity at the highest of levels.

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### **Deutsches Architekturmuseum (DAM), Frankfurt/Main**

The Deutsches Architekturmuseum (DAM) was opened in 1984 as the first architecture museum in Germany and is considered one of the most renowned addresses in Europe for historical and contemporary architecture. The focus is on changing exhibitions on national and international architecture and urban development themes of the 20th/21st century, presented in an iconic building of postmodernism with the house-in-house by architect Oswald Mathias Ungers. As a discussion centre for current issues, it organizes conferences and workshops, issues numerous publications and is represented in national and international award juries. The permanent exhibition *From Primeval Hut to Skyscraper* illustrates the developmental history of architecture with 25 model panoramas. The educational program offers children, students and adults access to architectural topics in a playful and practical way.

### **DekaBank Deutsche Girozentrale**

DekaBank is the Wertpapierhaus (securities services provider) of the German Savings Bank Finance Group. Together with its subsidiaries it forms the Deka Group. With total customer assets of EUR 367 billion (as at 30/06/2022) and more than 5.2 million securities accounts, DekaBank is one of the largest securities services providers and real estate asset managers in Germany. It provides retail and institutional clients access to a wide range of investment products and services. DekaBank is firmly anchored in the Sparkassen-Finanzgruppe and designs its portfolio of products and services to meet the requirements of its shareholders and sales partners in the securities business.

For Deka, awarding the International High-Rise Award has been an important part of its social commitment since it was jointly founded almost 20 years ago. As part of the Sparkassen-Finanzgruppe, Deka has a long tradition of sponsorship. Its focus areas include architecture, education and science, music, sports, social projects and contemporary art. With its commitment to the International High-Rise Award, DekaBank wants to focus on future-oriented, sustainable and economical architecture.

### **More information from:**

[www.international-highrise-award.com](http://www.international-highrise-award.com)

### **Press photos can be downloaded from:**

[www.international-highrise-award.com/en/press](http://www.international-highrise-award.com/en/press)

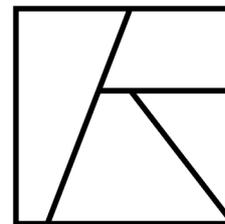
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**Press contact:**

**Deutsches Architekturmuseum (DAM)**

Hedderichstrasse 108-110, 60596 Frankfurt/Main, Germany

Brita Köhler

T +49 (0)69 212 36318

M +49 (0)151-50921704

brita.koehler@stadt-frankfurt.de

**DekaBank**

Mainzer Landstrasse 16, 60325 Frankfurt/Main, Germany

Dr. Daniela Gniss

T +49 (0)69 71 47 - 21 88

daniela.gniss@deka.de

**Media partners of the International High-Rise Award  
2022/23:**



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