

# Danmarks Nationalbank

The renovation and restoration of **Arne Jacobsen's** iconic building for Denmarks national bank

Project	Office renovation	Value	+1.9b DKK	Location	København, DK	Size	55.000 m <sup>2</sup>	Client	Danmarks Nationalbank	Date	2021 – ongoing	Collaborator	EKJ & Rørbaek og Møller
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## Background

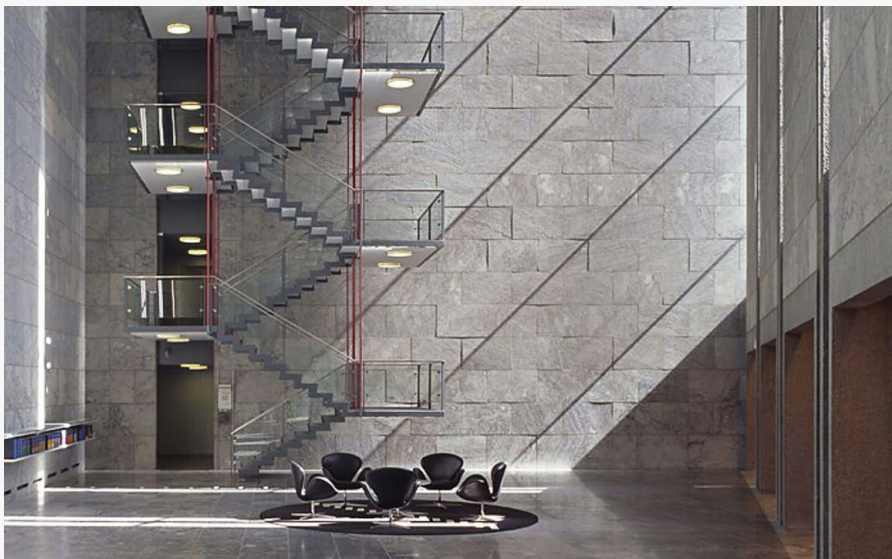
Danmarks Nationalbank's building at Havnegade 5 in Copenhagen is currently undergoing a major and necessary restoration and renovation. The aim is to preserve the building as part of Danish cultural heritage and to future-proof it as a workplace for Danmarks Nationalbank's employees. The work is currently estimated to last until 2028. This is the largest reconstruction project since the building's initial construction was completed in 3 phases between 1965-78 by Architect Arne Jacobsen.

## Project Overview

Quantum is engaged in this project working with the design consortium headed by EJK and R-M. The project is a combination of three major sub-projects namely; restoration of the facade, securing the building against uplift, renovation, and restoration of the internal fit-out including removal of hazardous materials, repurposing of areas, and modernisation of technical services.

## Key Constraints

All aspects of the building are strictly controlled by the Danish Heritage Agency (slots & kulturstyrelsen and det saerlige bygningsssyn). This limits the flexibility in design as all materials, and design solutions including services and secondary support structures are to be preserved as an example of Arne Jacobsen's design. This requires flexibility and innovation from the team as modern installations and office requirements generally place very different demands on geometry and material performance.





## Our Role

Quantum provides cost estimation, cost reporting, risk evaluation, and procurement advice.

- Early stage cost planning. Quantum formed the earliest cost plans in collaboration with the designers and the client determining the scope and anticipated construction costs
- Capitalisation of identified risks in design and construction and interpreting the consequences against client contingencies
- Monthly cost reporting. Tracking construction cost fluctuations due to the development of the design, exceptional inflation, and changes in scope
- Other cost exercises, including evaluation of the cost impact of different DGNB strategies, and cost assessments of various design and value engineering options

## Special Care

Being the country's Nationalbank, cost certainty and control are of paramount importance. Quantum has assisted both the Client and designers in determining a cost control strategy that is beyond industry-standard processes.

## Quantum Personnel on the Project

Jonathan Davies — Leading Cost Manager

Daniel Payne — Cost Manager



