

# FIVE STOREYS OF SAFE UNDERGROUND PARKING AND FIVE ROUND TOWERS IN THE HEART OF THE CITY



Photo: ATP-Ejendomme

## ABOUT THE PROJECT

Copenhagen's newest icon. An architectural pearl. A new place to meet – close to everything.

With its five fused towers of different heights, unrepeatable round shapes and thoughtful details, Axel Towers is unquestionably an architectural highlight in the city of Copenhagen.

It is Lundgaard & Tranberg – one of Denmark's most recognized and award-winning architecture firms, who is behind the drawings for this spectacular form. The unique location of the Axel Towers makes it a natural meeting place in the city. The street level and the 1<sup>st</sup> floor are designed as shops and restaurants, whilst the 10<sup>th</sup> floor welcomes with a sky-bar and an unforgettable view of Copenhagen. The upper floors contain

highly effective, modern office spaces. All-in-all 23,000 m<sup>2</sup> above and 14,500 m<sup>2</sup> below ground, were designed to meet Danish sustainability standards and the requirements for low energy of class 2015.

## FIVE STOREYS UNDERGROUND

NOVENCO Building & Industry (NBI) was awarded the contract for design and delivery of a complete smoke clearance system with jet fans for the underground car park. The five storeys of the Axel Towers car park are now highly protected by the advanced technology operating system, which provides extra safety also after a fire. The fans can clean the air from smoke and lead the smoke out of the building.

The jet fans build on NBI's fundamental

car park technology and expertise. This field of solutions was founded in the 1990s when our jet fans revolutionised the market for car parks. Even in such critical situations where fires are blazing, the environment remains in focus, as the amount of energy for the systems is at minimum. This true 2-in-1 system feature protects lives and spares the environment.

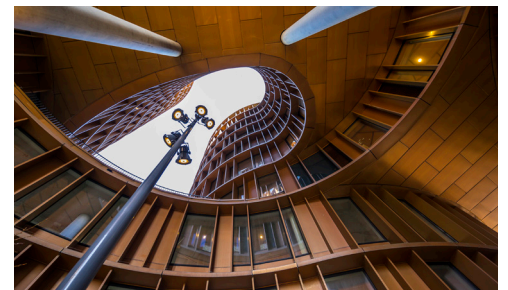


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Spectacular form inside

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### EQUIPMENT DELIVERY

To create a safe and efficient ventilation system for the car park, NOVENCO Building & Industry (NBI) supplied high efficient ZerAx® AZN-1250 fans for the air intake.

Throughout the five storey car park facility, 28 pcs AUO-290 jet fans ensure that polluted air is moved to the extraction fans. The air is extracted safely from the car park by a single NovAx ACN-1250 axial flow fan.

CO detection and control systems were also supplied by NBI. The sensors detect any change in the CO gases and explosive CH vapor levels, whilst the highly developed control system adjusts the ventilation if levels reach critical point. This is to keep the air clean and safe from exhaust particles from the cars.

### FACTS:

- CENTRAL LOCATION
- OFFICE SPACES, SHOPS AND RESTAURANTS
- SAFE UNDERGROUND CAR PARK



Five storeys of a safe underground car park



Installation with NOVENCO jet fan AUO