

Building & Industry

NOVENCO 

SCHAKO Group

Axel Towers – five storeys of safe underground parking

About the project

Axel Towers is Copenhagen's newest architectural landmark and a vibrant urban meeting point. Five interconnected towers of varying heights rise from one of the city's most central locations, defined by their soft, round forms and meticulous detailing. Designed by the award-winning architecture studio Lundgaard & Tranberg, the complex brings shops and restaurants to the street level and first floor, a sky-bar with panoramic views on the 10th floor and modern office spaces on the upper levels.

In total, the project covers 23,000 m² above ground and 14,500 m² below ground, meeting Danish sustainability and 2015 low-energy requirements.



Installation with NOVENCO jet fan AUO



Axel Towers, Copenhagen, Denmark

Photo: ATP-Ejendomme

Five storeys underground

NOVENCO® Building & Industry designed and delivered the complete smoke-clearance system for the five-storey underground car park. The advanced jet fan solution protects the facility during and after fires by removing smoke and cleaning the air.

The technology builds on our proven car park ventilation expertise first introduced in the 1990s. Even under critical conditions, the system maintains low energy consumption, ensuring both safety and environmental performance in one solution.



NOVENCO jet fan keeps energy low while ensuring safety

Equipment delivery

To ensure fresh air intake, we supplied high-efficiency NOVENCO ZerAx® AZN-1250 fans.

Across the five levels, 28 AUO-290 jet fans move polluted air toward a NOVENCO NovAx™ ACN-1250 extraction fan, which safely exhausts the air from the building.

We also provided CO-detection and control systems. The sensors track changes in CO-concentration and explosive CH-vapour levels, while the control system regulates ventilation when thresholds are reached to ensure clean, safe air at all times.

Facts:

- Central city location
- Office spaces, shops and restaurants
- Safe underground car park