

# Largest curved electrochromic glass installation spotlights CHROMOGENICS

Combining dynamic solar control with architectural elegance, CHROMOGENICS recently delivered the world's largest curved electrochromic glass installation to Boverket's new climate-certified HQ in Karlskrona. The project sets a new benchmark for sustainable office design - integrating ConverLight® technology into an innovative, energy-efficient glass façade.

Swedish proptech company ChromoGenics has delivered the world's largest installation of curved electrochromic glass to the new climate-certified head office of Sweden's National Board of Housing, Building and Planning (Boverket). The project merges advanced solar control with architectural freedom - reducing the building's climate impact whilst enabling innovative design. Developed by Skanska and designed by leading architecture firm Sandell Sandberg

The new headquarters of Sweden's National Board of Housing, Building and Planning in Karlskrona, featuring curved dynamic glass from ChromoGenics - the world's largest installation of its kind.





Curved glass cassettes lined up in the production facility. The units are prepared for delivery and installation at the new headquarters of Sweden's National Board of Housing, Building and Planning.

for property owner Vacse, the building sets a new standard for sustainable offices of the future.

## WHERE DESIGN MEETS TECHNOLOGY

The curved glass façade features large, rounded panels - a technical challenge in itself. ChromoGenics developed a tailored solution using its proprietary electrochromic technology, ConverLight®, integrated into specially engineered, curved glass cassettes. "ConverLight® dynamically adapts to solar conditions, improving indoor comfort and energy efficiency - while preserving full architectural design freedom. Achieving this at scale with curved dynamic glass is a clear technological breakthrough," says Fredrik Fränding, CEO of ChromoGenics.

## A MODEL FOR TOMORROW'S SUSTAINABLE OFFICES

The headquarters serves as a national pilot project with

ambitious climate targets. Early life cycle analyses showed that façade glass represented a significant share of the building's total embodied carbon. Instead of a planned double-skin façade, the project team chose a single-skin glazing system featuring ConverLight - reducing material use and emissions, while improving energy performance. The technology dynamically regulates light transmission, reducing cooling demand in summer while allowing benefi-

cial daylight and solar heat during colder months.

## SEAMLESS INTEGRATION AND INSTALLATION

The four-story building includes a distinct glass band on the third floor, reinforcing its curved architectural identity. Installation was carried out by UBA, subcontractor to Skanska, with ConverLight fully integrated into Schüco's structural glazing system. "Working with ConverLight was smooth and effi-

cient. Each unit integrates seamlessly with the building's control system, ensuring optimal solar regulation without complicating the installation," says Fredrik Liliedahl, CEO of UBA.

## NOW OPEN - A SMART, CLIMATE-CONSCIOUS WORKPLACE

Now handed over from Vacse to Boverket, the building will accommodate more than 250 employees - showcasing how advanced glazing technologies can reduce climate impact, optimize occupant comfort and support cutting-edge design in commercial buildings.

**ChromoGenics**

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Interior of the new headquarters of Sweden's National Board of Housing, Building and Planning in Karlskrona, featuring curved dynamic glass from ChromoGenics. The glazing adjusts light transmission in real time, creating a comfortable indoor environment.