



Redefining Sustainability: BMU Custom Solutions for Tour Hopen's Eco-Friendly Refurbishment

Project Overview

The Tour Hopen, formerly known as Tour Adria, underwent a significant transformation to modernise and enhance its structural and environmental performance. Originally standing at 155 metres, the renovation added 3 new floors, increasing its height to 167 metres. This redevelopment not only reshaped its architectural presence on the La Défense skyline but also emphasised sustainable design and functionality.

Architects Michel Andraut and Nicolas Ayoub, with renovation led by Ateliers 2/3/4/, and general contractor Eiffage Construction, collaborated to create a contemporary, efficient, and eco-friendly skyscraper. The new architectural façade design, made of geometric profiles, interacts with natural light to create dynamic visual effects, while recycled materials and optimised insulation enhance energy efficiency.

Tailored Façade Access Solution

To meet the project's technical and financial requirements, our team provided the Scorpio Building Maintenance Unit (BMU) mounted on a rail track anchored to a concrete support. After an extensive selection process where all competitors were technically aligned, our solution was chosen for its cost-effectiveness without compromising performance. This custom facade solution ensures high-rise building maintenance can be carried out efficiently and safely.

Innovation & Execution

Our team at Tractel showcased its expertise in designing disruptive solutions to tackle complex challenges. The BMU system provided a reliable and efficient solution for ongoing façade access solutions, ensuring safety, longevity, and seamless integration into the building's new structure. Additionally, the system supports facade cleaning operations, contributing to the long-term upkeep of the building. This project stands as a testament to our ability to deliver tailored, high-performance facade access solutions within budget constraints while supporting building maintenance and innovation in sustainable design.

Facts & Figures

Building Height	167 meters
Number of BMUs	1
BMU Type	Scorpio
Outreach	160 meters
Building Type	Commercial Building

