

CASE STUDY

Built for Height, Engineered for Flow An Alimak multi-hoist solution at Karlatornet

Karlatornet, Scandinavia's tallest building, required a vertical access solution built for speed, safety and reliability. Alimak delivered a multi-hoist system designed to keep people and materials moving efficiently across 74 floors, supporting the project's demanding pace in Gothenburg's challenging conditions.

Reaching a final height of 246 metres, a project of this scale demanded a highly efficient logistical flow. With numerous trades working simultaneously, it was essential to enable seamless access to all levels and ensure the smooth vertical transport of tools and equipment.

CONSTRUCTION HOISTS AND COMMON TOWER

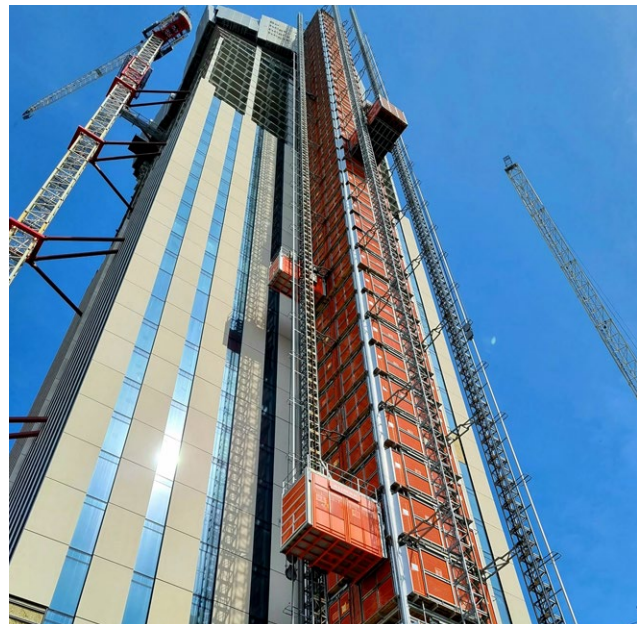
To meet these demands, a twin-masted Alimak Mammoth and two dual Alimak Scando 650 construction hoists were installed on a common tower. Each dual configuration consisted of one high-speed Scando 650 FC-S — dedicated exclusively to passenger transportation — and one Scando 650 FC XL — designed for moving heavy and bulky materials.

This five-hoist setup allowed for the separation of people and materials, streamlining project logistics and significantly enhancing safety. The use of high-speed hoists for passengers ensured workers could reach their designated floors quickly — especially valuable when travelling up to the top levels.

DESIGNED FOR TOUGH CONDITIONS

Alimak construction hoists have a proven track record on some of the world's tallest buildings, demonstrating exceptional reliability. In Gothenburg's windy climate, Alimak hoists offered a distinct advantage by operating in wind speeds up to 20 m/s, minimising downtime.

Additionally, the Alimak team delivered a comprehensive, end-to-end solution — providing construction hoists, installation, service support, and complete project management — proving our commitment to providing the highest levels of product uptime and safety.



Alimak construction hoists installed on Karlatornet

HOIST DETAILS

Location:	Gothenburg, Sweden
Application:	High-rise construction
Hoist type:	2x Alimak Scando 650 FC-S 2x Alimak Scando 650 FC XL 1x Alimak TM Mammoth 55/50
Hoist capacity:	3,200-5,500 kg
Hoist car size: (W x L x H)	1.5 x 3.9 x 2.3 m 2.0 x 3.9 x 2.8 m 3.0 x 5.0 x 3.0 m
Speed:	30-100 m/min
Lifting height:	246 m

www.alimak.com

ALIMAK

Pictures are illustrative only and do not necessarily show the configuration of products on the market at a given point in time. Products must be used in conformity with safe practice and applicable statutes, regulations, codes and ordinances. Specifications of products and equipment shown herein are subject to change without notice. Copyright © Alimak Group. All rights reserved. ALIMAK, LEVATO, MAMMOTH, MEDIUS, SCANDO, VECTIO and related logos are registered trademarks of Alimak Group AB (publ) and its subsidiaries ("Alimak Group"), in several jurisdictions, including but not limited to the EU and the United States. Alimak Group retains all rights in its name and for above mentioned trademarks, whether registered or not.