

Roche Site Basel

Basel, Switzerland

A long-lasting
partnership

Take an already complex CHF3 billion, 10-year construction project. Throw in a pandemic of unprecedented proportions, with all its disruptions. Add a tight timeframe, a pinch of strict Swiss regulations, and harsh winter working conditions for good measure. Mix well and you get Roche Site Basel.

Challenges and client brief

- On-site work in a time of pandemic
- Fast and safe vertical transportation system
- High standard throughout both buildings

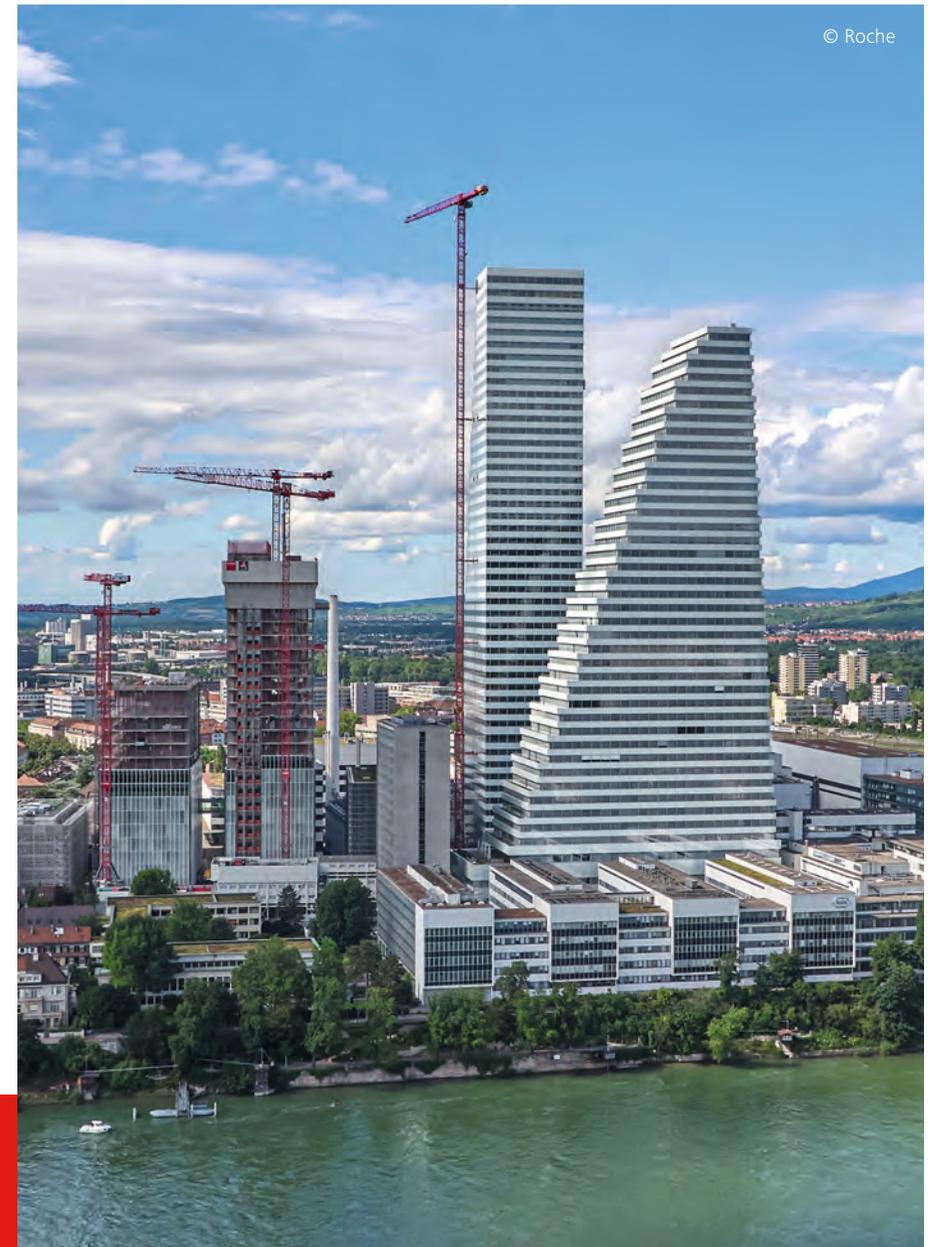
Schindler solutions

- Prompt new rules and regulations; Schindler CleanAir; Schindler PORT to help implement social distancing measures
- Schindler CLIMB Lifts
- Experienced crew, building a trusted partnership

Investor
F. Hoffmann-La Roche Ltd.

Developer
F. Hoffmann-La Roche Ltd.

Architect
Herzog & de Meuron



Project overview

2015

Building 1 construction end year
Building 2 construction end year:
still ongoing

14

High-zone
elevators
(Building 1)

16

High-zone
elevators
(Building 2)

23

High-zone
elevators (pRED Center,
Buildings 4, 5, 6 & 7)

213 m

Max travel height

7.0 m/s

Max speed

Schindler PORT

Elevator control

Staying safe and well in times of crisis

Schindler's UV CleanAir
Air cleaning efficacy of the device has
been measured and certified by SGS;
SGS Verification Statement of Device
Efficiency Assessment number is
CH-220063 SCHINDLER MGMT



This would be enough to deter anyone. But our teams have never been known to shy away from challenges. Thanks to their responsiveness and their knack for innovation, they helped to turn this project into a success.

Project highlights

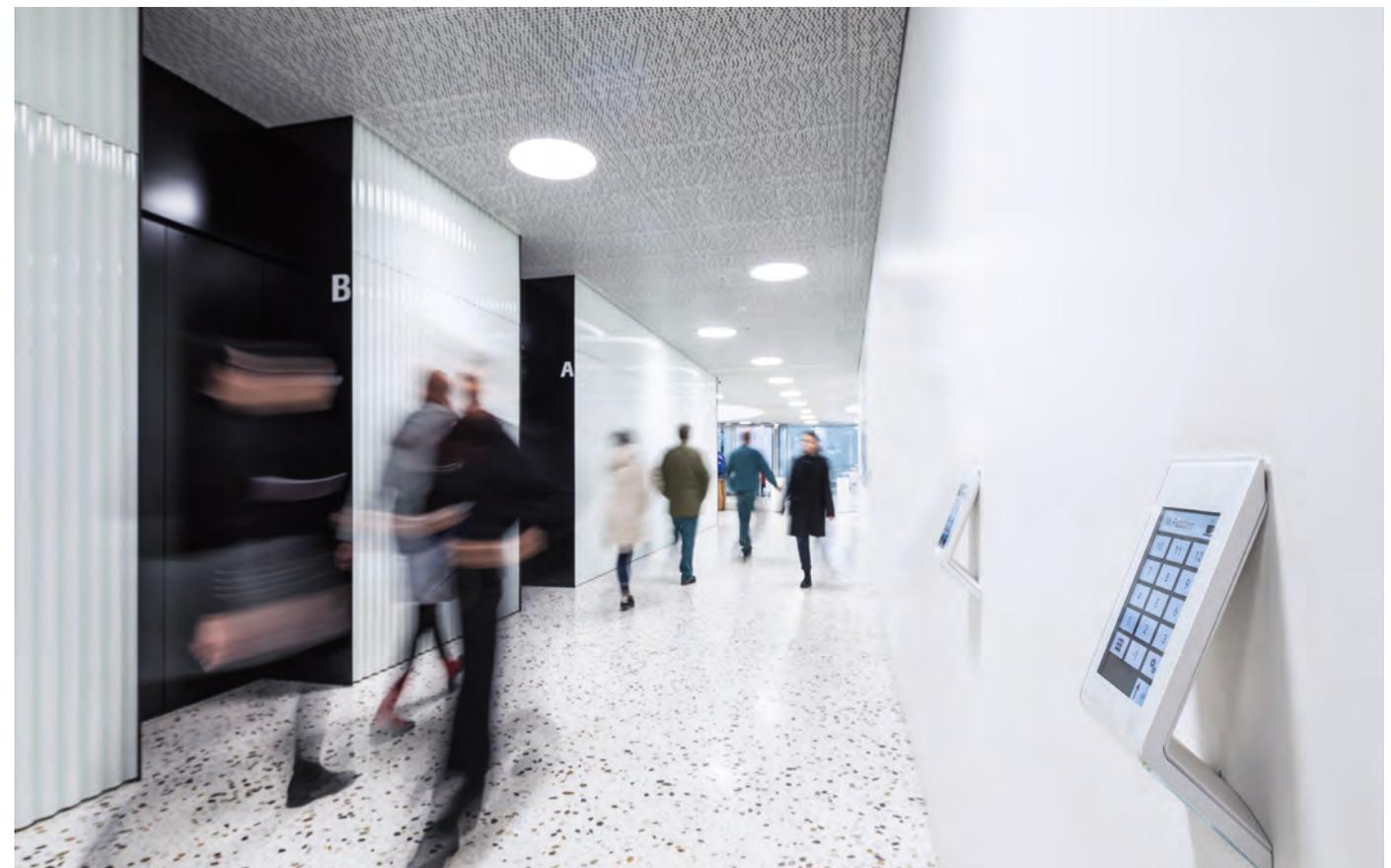
Schindler innovations for enhanced safety and health. Building 1 was already in operation when the COVID-19 pandemic hit. Our industry-leading technologies helped our customer maintain a safe and hygienic workplace. Thanks to the flexibility offered by our advanced transit management system Schindler PORT, the maximum capacity of each elevator was lowered to 4 (from 23 previously), to help implement social distancing measures.

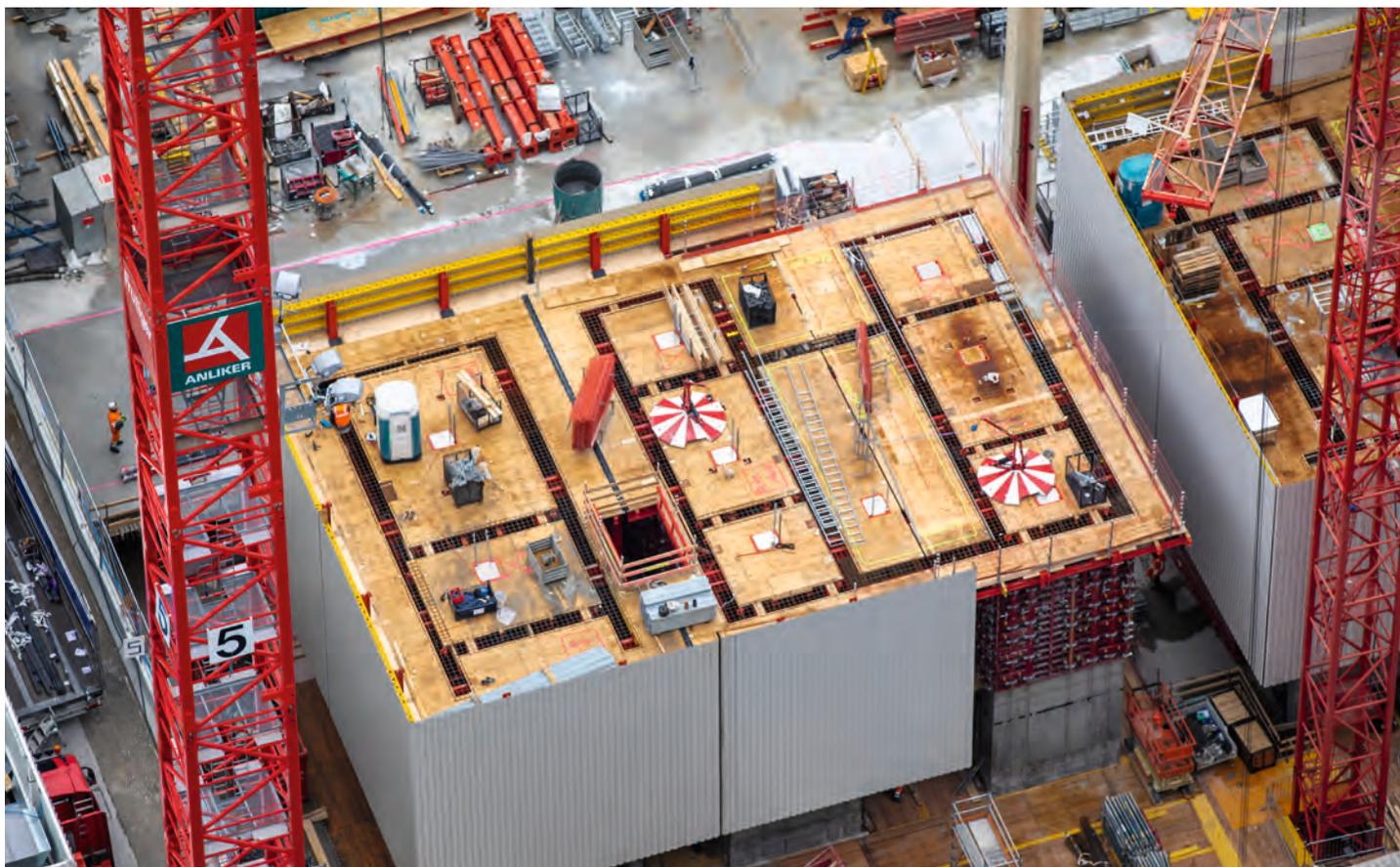
As one of the first E&E companies to release clean mobility solutions, we were able to offer our customer Schindler's UV CleanAir solution as soon as it became available, in October 2020.

All construction elevators in Building 2 came complete with this solution. Using UV-C light technology, Schindler's UV CleanAir sanitizes the air automatically on a routine basis.

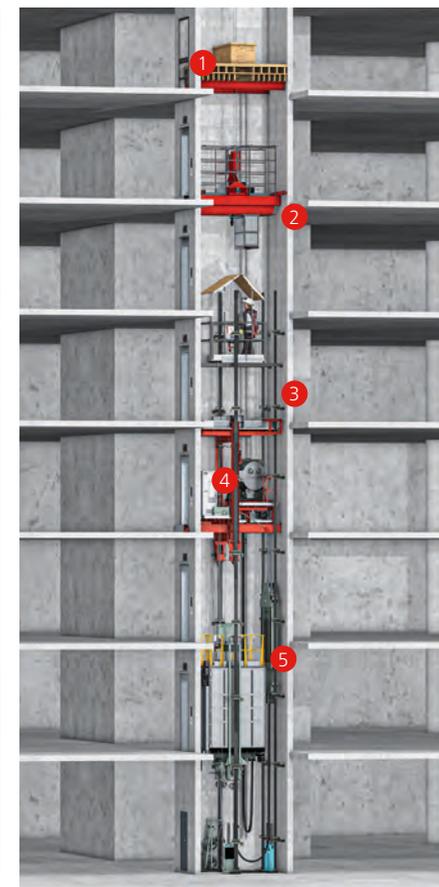
The partnership between Roche and Schindler dates back to 1936. Schindler Project Manager for Roche Site Basel Werner Gabathuler, with 41 years of experience at Schindler under his belt, reflected: "Sometimes we laugh together, sometimes we have to fight together to overcome challenges; and this was one of the times."

Elegant Schindler PORT devices
complementing Roche's interior design





Construction site of pRED Center, Roche Site Basel, where Schindler CLIMB Lift was also applied



Rendering image of a typical Schindler CLIMB Lift

- 1 Crash deck
- 2 Lifting platform
- 3 Installation platform (optional)
- 4 Machine platform
- 5 Elevator

Schindler CLIMB Lift is a certified self-climbing vertical transportation system that allows for safer and more efficient elevator installation. Schindler CLIMB lift uses a permanent elevator in the building's final hoistway – doing away with the need for temporary external hoists and the bottlenecks associated with them. The elevator rises incrementally to service higher floors as the building grows taller. As such, it brings the numerous benefits of a permanent elevator from the very beginning of the construction, such as all-weather operation, improved site logistics, and increased productivity.

Three Schindler CLIMB Lifts were installed in Building 1 and 2, which gave workers a safer and more comfortable working environment, while speeding up the transportation of materials and people by two to three times.

Schindler CLIMB Lift

Schindler CLIMB for a faster and safer installation. Building 2 stands now as the tallest building in Switzerland, culminating at 205 meters. Both buildings are visible from neighboring France and Germany. Our teams had to abide by the city of Basel's strict noise

restrictions: work could only be carried out from 7am to 5pm. Low temperatures in winter (sometimes below -10 °C) also made manual work testing. We had just the right transportation method to make up for lost progress: Schindler CLIMB Lift.

Comparison of typical performance data

Traditional external hoist	Schindler CLIMB Lift
20 800 kg	48 800 kg
moved per hour	moved per hour
200 people	600 people
moved per hour	moved per hour
1 m/s	5 m/s
average travel speed	average travel speed

Schindler engineers working on a Schindler CLIMB Lift



Partnership in the large project journey

Experienced crew. Roche Site Basel is the culmination of ten years of work. What the customer wanted was not just excellent equipment, but a mobility partner they could count on. They appointed two local Schindler veterans, Project Manager Werner Gabathuler,

and Installation Supervisor Ulrich Schneider, to lead the project through to success. Both worked closely with our customer from the very first engagement right through to the final delivery of the project.



“ With Schindler and the trusted team from Building 1, we knew we had the right partner for Building 2 to ensure we achieve our project goals: safety, energy efficiency, and the highest quality while meeting deadlines and budgets. ”

Markus Wöllner
F. Hoffmann- La Roche AG, Technical Project
Manager for Building 1 and Building 2

