



Schindler Ahead

Smart Urban Mobility

www.us.schindler.com



Schindler

Made for today. Ready for the future.

Are your elevators and escalators thinking Ahead?



Schindler moves over one billion people every day. With the introduction of Schindler Ahead, equipment reliability, uptime and safety will be significantly improved and there will be an all-new superior passenger experience.

Client communications will benefit from better access to real-time equipment data, enabling the identification of possible service issues, all while providing smarter cost planning.



The Building Internet of Things

Connecting the dots.



Imagine a platform where all involved parties are connected and necessary information is shared in real time. Schindler Ahead connects equipment, customers and passengers with Schindler's Technical Operations Center and technicians via its digital closed-loop platform.

Connecting the dots on the Schindler Ahead platform, customers and passengers will benefit from enhanced uptime, deeper insights, superior convenience and greater cost control.

Schindler Ahead. Made for today. Ready for the future.



Schindler Ahead in action

Analytics & Expert Services



- Premier diagnostics and advanced analytics enable Schindler to predictively identify, analyze and resolve possible service issues before they occur.
- The closed-loop platform connects equipment, customers and passengers with Schindler's Technical Operations Center and technicians. Everyone is kept informed at all times.
- Technicians in the field are notified in real time and have access to comprehensive knowledge-based digital experts and assistants on the go.

Emergency & Monitoring Services



- Schindler Ahead connects 24/7 to Schindler's Technical Operations Center with highly skilled experts for professional assistance.
- Emergency calls via a reliable digital connection for voice and data.
- Permanent monitoring of equipment health status via Schindler's Technical Operations Center.

Ready for Future Digital Products & Services



- Protect your investment. Start today and upgrade as you go.
- Industry-first platform with over-the-air (OTA) update capabilities.
- Select and personalize your applications from the Schindler Ahead App Store for Smart Urban Mobility.

Active Communication & Powerful Insights via ActionBoard



- Real-time insights to better operate and manage your building.
- Customizable reports about equipment status and performance.
- Event-based notifications via app, text messages or emails keep customers, passengers and technicians informed at all times.

Turning data into results

Schindler Ahead. The platform connecting all involved parties and providing relevant information in real time.

Data generated from connected equipment provides advanced analytics enabling Schindler to predictively identify, analyze and resolve possible service issues before they occur. This reduces and eliminates downtime, saving you valuable time.

With Schindler Ahead,
data turns into results
for customers and
passengers.

Uptime



Building owners and facility managers have access to operational, performance and commercial data about their equipment portfolio, leading to increased communication for better building maintenance and management.

Interactive monitoring and connected devices provide a superior client experience. Schindler's Technical Operations Center and web-based tools like Ahead ActionBoard enhance the communication.

Potential cost savings from moving the elevator phone line and switch over to 4G connectivity. Reduction of unexpected or overtime shutdowns with a no running-on-arrival bill guarantee.

Insights



Convenience



Cost Control



Results turn into customer benefits

Customers benefit from increased uptime and real-time insights for their day-to-day operations and mid-term planning needs.

Additionally, passengers experience a superior convenience when using equipment enabled by Schindler Ahead.

Schindler Ahead. Always connected.
All the time.



Building Manager / Owner / Developer

- High reliability and uptime improve overall building performance
- Insights about component lifetime allow for better mid-term planning of repairs and modernizations
- Complete digital documentation of equipment portfolio
- Ready for the upcoming switch from analog to digital networks
- 24/7 digital emergency service
- Future-proof solution thanks to over-the-air (OTA) updates
- Increase the value of your building by connecting to the Internet of Things
- Cost-saving solutions with service guarantees and removal of phone line



Facility Manager / Administrator

Passengers

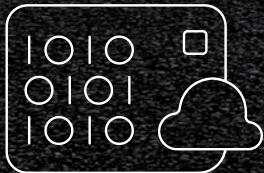
- High reliability and uptime with fast reaction times thanks to predictive maintenance
- Real-time information on equipment status and performance
- Full transparency on status of maintenance activities due to push notifications via app, text message or email
- Less hassle thanks to automatically informed tenants
- Better cost predictability to help stay on budget
- Ability to keep all building stakeholders informed via easily accessible information

- Reduced waiting times and increased reliability lead to potential gains in the passenger experience
- Regular status updates about equipment and maintenance work via the app, text message, or email
- Increased convenience and comfort thanks to interactive and personalized information and entertainment services
- Future digital products will keep tenants informed and help with route planning and selection

Digital solutions tailored to your needs

Digital Connectivity

Machine intelligence



Cloud Platform

Real-time insights



App Store

Instant access



With Schindler Ahead, your equipment becomes smart and connected. Relevant machine data like door movement and lifecycle utilization are collected, pre-analyzed and transmitted to the cloud platform. Furthermore, Schindler Ahead runs apps, streams multimedia content and even handles emergency voice calls with the highest level of cyber security.

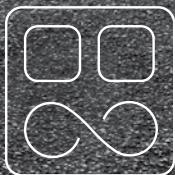
Our cloud platform is the engine for Big Data analytics and Augmented Intelligence. In combination with GE Predix, the leading Industrial Internet platform, Schindler offers predictive maintenance through the use of advanced analytics and machine learning. Gain actionable insights from your elevator and escalator data in real time.

A variety of apps for customers and passengers are available today. Access relevant information in real time, gain comprehensive insights and experience improved comfort and convenience. All available on your smartphone or via the Internet portal — personalized and customizable to your needs.



Future Readiness

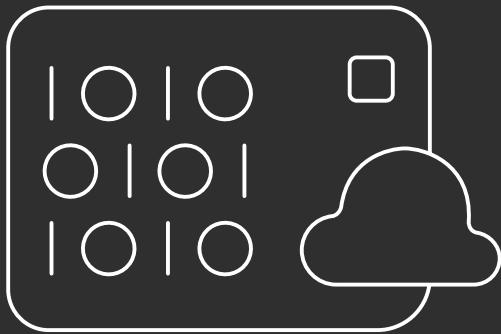
Over-the-air (OTA) updates



Urban mobility is a journey. Make use of Schindler Ahead's powerful solutions today and be ready for the latest innovations. Over-the-air (OTA) updates from the App Store allow you to always stay up to date, possibly without having a service technician come on-site. This allows you to benefit from Schindler's continuous investment in enhancing and shaping smart urban mobility solutions.

Connectivity & Cloud Platform

Connectivity



Digital Connectivity

Schindler Ahead supports the latest connectivity standards like 4G/LTE, as well as future VoIP functionality. This ensures that you will be ready when telecommunication providers discontinue 2G support, which is already happening.

Much More than a Gateway

The platform runs apps, streams multimedia content and even handles emergency data and voice calls.

Edge Computing and Edge Analytics

The computing power and intelligence of Schindler Ahead allow real-time analytics, data filtering and knowledge generation at the source of the data. This significantly reduces the volume of transferred data to the cloud and helps to optimize communication costs.

Digital Industrial Cyber Security

Connectivity and technology components are protected with the highest level of built-in hardware and software security through our industry-leading partners. In addition, 24/7 security monitoring is conducted worldwide. Over-the-air (OTA) software updates ensure that the latest security patches can quickly be deployed.

Code Compliance

Schindler Ahead is fulfilling global and local elevator and escalator standards and norms as well as all required certifications, such as for elevator emergency call systems.

Powerful Insights

Machine data generated from elevators and escalators combined with data from Schindler's global operations platforms are turned into powerful insights when advanced analytics and machine learning is applied. The Schindler Ahead Cloud Platform is the engine behind the analysis and correlation of this big data for actionable outcomes like best-in-class predictive maintenance.

Fast and Vast

Our digital industrial cloud-based analytics platform is capable of handling volume, velocity and a variety of industrial big data collected by millions of data points from equipment electronic controllers and sensors.

Powered by GE Predix

Schindler Ahead is powered by GE Predix, the industrial operating system developed by our premier partner GE Digital. With GE Predix the elevator and escalator industry benefits from industrial sectors having already successfully applied the Industrial Internet for many years. This is a case of digital industrial expertise being paired with leading-edge software capabilities.

Open Innovation

Our cloud platform supports open industry standards and benefits from an ecosystem of partners who contribute to enhanced application development and innovation for smart urban mobility solutions.

Cloud Platform



The App Store & Future Readiness

App Store



The Schindler Ahead App Store is the place to go to when you want to download apps to interact with Schindler Ahead. A variety of apps for customers and passengers are available today.

Ahead ActionBoard

Turn information into action. The Schindler Ahead ActionBoard shows status, ongoing activities, performance indicators and usage statistics of your equipment portfolio. Act in real-time on events and define who of your tenants and partners will be informed automatically on equipment status changes.



FieldLink

Benefit from a digitally equipped workforce. Schindler's award winning digital tool case FieldLink provides service technicians with all the necessary information for proactive and high-quality service.

Ahead Connected Products

Schindler Ahead is a platform that is made to grow and evolve over time. This process includes the introduction of new connected products and apps that integrate seamlessly. These future tools will enable things like technical document handling, advertising, enhanced communication and local news updates.

Over-the-air (OTA) Updates

Industry-first secure software updates for all Schindler Ahead apps and downloading of new apps so that your equipment and you will always stay up to date.

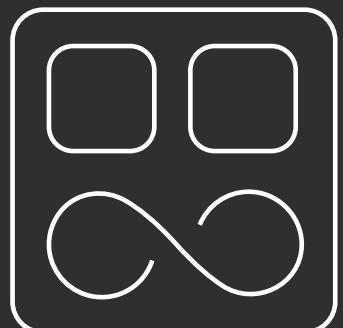
Protect your Investment and benefit from Schindler's Innovation Drive

The Schindler Ahead App Store allows you to start today and to upgrade as you go. Download and customize additional urban mobility apps developed by Schindler and its partners.

Open Platform

With its open API (Application Programming Interface) architecture, Schindler Ahead provides you access to a broad ecosystem of useful tools and applications.

Future Readiness



Future Digital Products & Services

Unlimited Possibilities.

Easily expand and enhance your Schindler Ahead solution with future digital products and services.

Ahead DoorShow

Make your elevator doors the prime spot for advertising, creating the opportunity for additional revenue.

Coming soon.

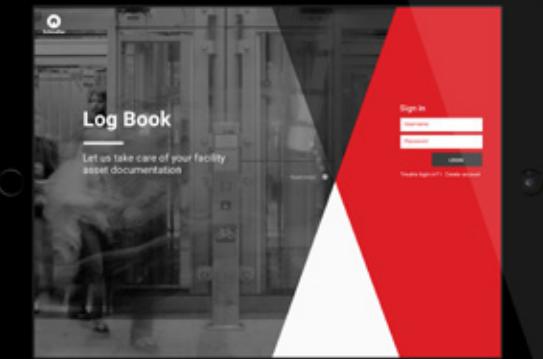


Ahead LogBook

Digitally manage equipment documentation including certificates, drawings and manuals.

ent status

- Running
- Maintenance
- Stopped



Latest IO

Door failure detected

Battery to be charged

detect

Ahead BlackBoard & E-Vision

Enhance the passenger experience inside and outside of the elevator car.





Schindler

Schindler Elevator Corporation is the North American operation of the Switzerland-based Schindler Group, a leading global mobility provider of elevators, escalators and related services. Schindler supports sustainable urban development with safe, reliable and sustainable mobility solutions, moving more than one billion people every day all over the world. Behind the company's success are over 60,000 employees operating in more than 100 countries.

www.schindler.com/ahead-us

Schindler Your First Choice Trusted. Professional. Smart.

For more information, including location of the Schindler office nearest you, please visit:

U.S. Headquarters. Morristown, New Jersey
Tel. 973.397.6500
www.us.schindler.com

Canada Headquarters. Toronto, Ontario
Tel. 416.332.8280
www.ca.schindler.com



Schindler is a member organization of the U.S. Green Building Council.



Schindler has received ISO/IEC 17021 certification.



Schindler prints with vegetable-based ink on paper containing post-consumer waste fiber.