



Schindler

SCHINDLER AHEAD **SMART URBAN MOBILITY**



URBANIZATION. REVOLUTIONIZED.

**INCREASING URBANIZATION REQUIRES RELIABLE,
SECURE AND EFFICIENT MOBILITY SOLUTIONS.**

With digitization, urban mobility becomes smart. The Internet of Things, Artificial Intelligence and personalized apps change the way we live and move.

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

At Schindler we power digital urban mobility.

THE INTERNET OF ELEVATORS & ESCALATORS. 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 contact centers and technicians via its digital closed-loop platform.

Connecting the dots on the Schindler Ahead platform, customers and passengers will benefit from enhanced uptime, better insights and higher convenience.

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



SCHINDLER AHEAD IN ACTION

Analytics and Expert Services



- Premier diagnostic 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 the Schindler Contact Center and technicians and keeps everyone informed.
- Technicians in the field are notified in real-time and have access to a comprehensive knowledge-based digital expert and assistant on the go.

Emergency and Monitoring Services



- 24/7 connection to Schindler's Contact Centers with highly trained experts for professional assistance.
- Emergency calls via a reliable digital connection for voice and data.
- Permanent monitoring of equipment health status via Schindler's Global Control Center.

Ready for Future Digital Products and 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.

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

Data generated from connected equipment allows for advanced analytics, which enables Schindler to predictively identify, analyse, and resolve possible service issues before they occur, thus reducing and eliminating downtime.

Uptime



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

Insights



Interactive and personalized services provide a superior passenger experience.

Convenience



RESULTS TURN INTO CUSTOMER BENEFITS

Customers will benefit from increased uptime and real-time insights for their day-to-day operations and mid-term planning needs. Passengers will in addition experience a maximum of convenience when using equipment enabled by Schindler Ahead.

Schindler Ahead. Always connected. Any time.

BUILDING MANAGER / OWNER / DEVELOPER

- High reliability and uptime improve overall building performance
- Insights about component life-time allow for mid-term planning like repairs or modernization needs
- Complete digital documentation of equipment portfolio
- Ready for the upcoming switch from analogue to digital networks
- 24/7 digital emergency service
- Future-proof solution thanks to “over-the-air” updates
- Increase the value of your building by connecting to the Internet of Elevators & Escalators

FACILITY MANAGER / ADMINISTRATOR

- 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 work thanks to push notifications via app, text message or email
- Less hassle thanks to keeping tenants automatically informed on your behalf

PASSENGERS

- Reduction of waiting times and higher reliability
- Being kept informed about equipment status and maintenance work via app, text message or email
- Increased convenience and comfort thanks to interactive and personalized information and entertainment services

DIGITAL SOLUTIONS TAILORED TO YOUR NEEDS

CUBE

Machine intelligence



With the CUBE your equipment becomes smart and connected. Relevant machine data like door movement or lifecycle utilization are collected, pre-analyzed, and transmitted to the Cloud Platform. And more, the CUBE runs apps, streams multimedia content, and even handles emergency voice calls. Always secure.

CLOUD PLATFORM

Real-time insights



Our Cloud Platform is the engine for Big Data analytics and Artificial Intelligence. In combination with the leading GE Predix solution we gain powerful insights through advanced analytics and machine learning. Data turn into actionable outcome like Predictive Maintenance.

APP STORE

Instant access



A variety of apps for customers and passengers. Available today. Access relevant information in real-time, gain comprehensive insights or experience improved comfort and convenience. On your smartphone or via 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 updates from the App Store to the CUBE allow you to always stay up to date without having a service technician coming onsite. So you can benefit from Schindler's continuous investment in enhancing and shaping smart urban mobility solutions.



CUBE



Digital Connectivity

The CUBE supports latest connectivity standards like 4G/LTE as well as future VoIP functionality. So, you will be ready when telecommunication providers will discontinue 2G support as already happening in many countries. The CUBE also provides standard interfaces for building integration.

Much More than a Gateway

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

Edge Computing and Edge Analytics

Computing power and intelligence of the CUBE allows 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 the communication cost.

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 Software updates ensure that latest security patches can quickly be deployed.

Code Compliance

The CUBE is fulfilling global and local elevator & escalator standards and norms as well as all required certifications, e.g. for lift 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, powering the analysis and correlation of these big data for actionable outcome like best-in-class Predictive Maintenance.

Fast and Vast

Our digital industrial Cloud-based Analytics is capable of handling volume, velocity and variety of industrial big data collected by millions of data 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 & escalator industry benefits from industrial sectors having already successfully applied the Industrial Internet for many years. Digital industrial expertise 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



APP STORE



The 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. Available today.

Ahead ActionBoard

Turn information into action. The Schindler 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.

Ahead LogBook

Digitally manage equipment documentation including certificates, drawings and manuals. The web-based Schindler Ahead LogBook allows you to share seamlessly all necessary information with technicians and notified bodies.

Ahead BlackBoard

Share the latest building and neighbourhood news. The Schindler Ahead BlackBoard is a display platform located outside of elevator and escalator areas and is used to provide information on activities relevant for building tenants. Additionally, it can display local advertisement related to available services in and around the building's neighbourhood.

Schindler FieldLink

Benefit from a digitally equipped workforce. Schindler's award-winning Digital Tool Case FieldLink provides service technicians with all necessary information for proactive and high-quality service.

Over-the-air Updates

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

Protect your Investment and benefit from Schindler's Innovation Drive

The 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 Program Interface) architecture, Schindler Ahead provides you access to a broad ecosystem of useful tools and applications.

FUTURE READINESS



**DIGITAL PRODUCTS
AND SERVICES.
UNLIMITED POSSIBILITIES.**

Ahead DoorShow, Ahead LogBook and Ahead BlackBoard and many more apps. Available today.

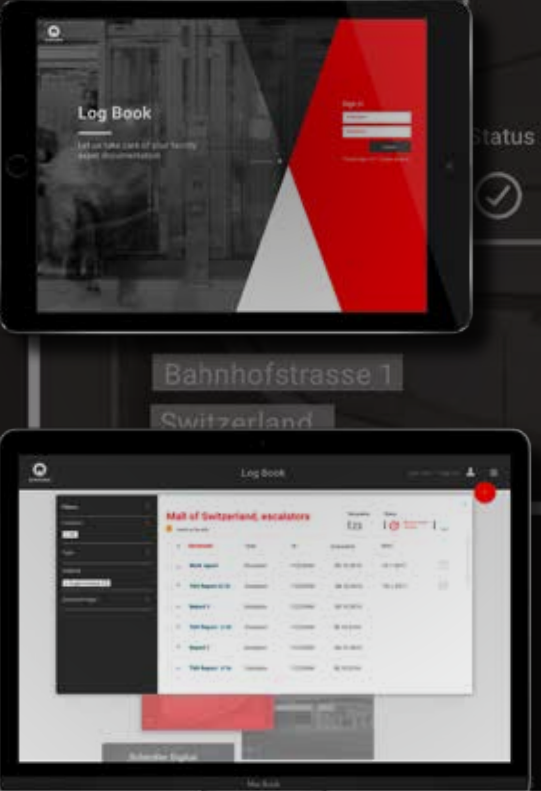
AHEAD DOORSHOW

Make your elevator doors the prime spot for advertisement.



AHEAD LOGBOOK

All required documentation complete and in one place.



AHEAD BLACKBOARD

The bulletin board for your neighbourhood.





Schindler

Founded in Switzerland in 1874, the Schindler Group is a leading global provider of elevators, escalators and related services. Its innovative and environmentally-friendly access and transit management systems make an important contribution to mobility in urban societies. Behind the company's success stand over 59 000 employees in more than 100 countries.

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