

ARCHITECTURE • INTERIOR DESIGN • LANDSCAPING • M.E.P. SYSTEMS

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SEAB

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Digital transformation in dormakaba

From digital door locks to architectural hardware, entrance systems and a lot more, dormakaba is in the business of providing access solutions to buildings and rooms. **Mr. Jim-Heng Lee, Executive Committee member of dormakaba Group and Chief Operating Officer-Access Solutions APAC at dormakaba Holding AG**, gives an overview of the digital transformation and solutions in dormakaba. *All photos courtesy of dormakaba.*



Mr. Jim-Heng Lee, COO, Access Solutions APAC, dormakaba Holding AG, & Executive Committee Member, dormakaba Group.

For example, products such as automatic doors are enhanced with an IoT Connector to make them cloud-ready. The collected data can be used for analytics and predictive maintenance.

Digitalization creates new dimensions not only for our product and service offerings, but also from the manufacturing perspective. The connection of production machines covers the entire value chain to improve processes and to be more agile. We are moving into the digital future not only for our customer offerings but also our processes.

SEAB: Can you give us a brief overview of the digital solutions that dormakaba has adopted?

LEE: dormakaba has always had an invested interest in the innovations of the digital sphere. We have always been actively communicating our stance

as such. In recent years, parts of our digital organization have been certified by the ISO 27001 Information Security certification standards. Consistently upgrading without compromising the safety and security of our systems and data, is how dormakaba has been able to retain the trust of our customers, both current and new.

In dormakaba's latest mobile access solutions, state-of-the-art technology has been employed to securely issue, revoke and update digital credentials on mobile devices such as smartphones, tablets, and smartwatches. Using best-in-class Legic Connect cloud technology, these credentials can be used for access control products to access hotel rooms, residential units, university accommodations and other protected facilities such as laboratories, server rooms, remote utilities, and commercial buildings.

SEAB: When did dormakaba recognize the need for a digital transformation in its business? In your opinion, why is digitalization important both from the perspective of the manufacturer and customer?

LEE: Our business has a long-proven history in the mechanical space. Products such as door hardware and access systems are dormakaba's core business, with a wide range of product offerings from key systems, door closers, door locks to automatic doors. As dormakaba continues to garner the reputation of a thought leader in digital access solutions, we're consistently innovating and leveraging digital technology to really enhance and complement our customer offerings by incorporating digital features throughout our core business.



dormakaba's mobile access solutions allows for room access via personal smartphones.

"Digitalization creates new dimensions not only for our product and service offerings, but also from the manufacturing perspective." – Mr. Jim-Heng Lee



Control of your home security system at your fingertips, whether you're home or away.

For example, hotel guests can use their smartphone and smartwatches to access their room. Just like you can use your smartphone to check-in with an airline, now hotel guests can check in and receive their digital room key before even arriving at the hotel. This is convenient not only from the perspective of saving time but also from a social distancing point of view.

Secondly, we are one of the first companies in our industry to exploit the possibilities of the Internet of Things, making us a pioneer in digitization.

Our solution exivo is a web-based access solution for small and medium-sized businesses that allows them to easily plan, configure, individualize and install an access system and then assign access rights dynamically. The solution runs on a central platform and is designed for mechanical as well as electronic applications.

With its exivo networked access system, we are developing from a product manufacturer into a service provider – access control as a service!

Another example is access control for your home. Residential mechanical door locks and keys are now digital with True Access Solution (TAS) by dormakaba.

Owners can now easily control and share keys no matter where they are, without worrying about keys being lost or stolen.

Complementing TAS are our digital door locks that are not only smarter but connectable to other smart IoT devices and smart home systems. This means, residents can ensure their homes are safely secured whether they are home or away.

With TAS, we built an eco-system with our software and hardware partners to offer a range products and services not only created by dormakaba but also by our partners. This means users can benefit from an experience that is most tailored to their needs.

My last example is Switch Tech

electronic lock core. Switch Tech allows anyone to change a mechanical door easily and inexpensively into an electronic door by replacing the lock profile with Switch Tech's lock core.

Using Bluetooth technology, you can manage who has access to certain areas of your space without the hassle of entirely replacing your current lock system. This means users can use a Bluetooth key fob or smart phone to get access and it can be traced and tracked. In addition, user access rights can also be updated no matter where you are.

It is low cost, quick to install, tamper resistant and can be easily installed in a wide range of applications. The Switch Tech is coming soon to Asia!

SEAB: In ASEAN, digitalization is still in its early stages of maturity. What can we expect from dormakaba's digitalization strategy in the future?

LEE: We're a large global player with our footprint in most regions across the world, 130 countries to be precise. For our digital team, Singapore is our home. We have a large team globally consisting of digital experts and engineers; part of the team is invested in Singapore, working to add value to existing hardware products and to create digitally enhanced access solutions.

Our vision is an interconnected future, where nothing is left out of the loop. We want to continue to create safe and secure access solutions, whilst providing a convenient, safe, and secure user journey in the world of tomorrow.



Uncompromised safety and security, with dormakaba's digital access solutions.

SKYFOLD ZENITH® SERIES

ACOUSTIC PERFORMANCE OF INSTALLED SYSTEMS

// Zenith 48	—	Excellent soundproofing (STC 48 / RW 47)
// Zenith 51	—	Exceptional soundproofing (STC 51 / RW 51)
// Zenith 55	—	Superior soundproofing (STC 55 / RW 54)
// Zenith 60	—	Maximum soundproofing (STC 60 / RW 59)
// Zenith NRC	—	Excellent sound absorption with noise reduction coefficient (NRC/SAC) of up to 0.65 (STC 50 / RW 49)

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- Maximum wall length up to 48 feet (14.6m)
- Only one finish per wall
 - One of Skyfold's standard fabric, standard vinyl, standard paint or standard white Markerboard surface finish



Skyfold® by dormakaba is the world leader in acoustic vertical retractable walls. With a simple keypad operation, a room can be quickly and quietly reconfigured to provide the user with tremendous space flexibility.

Over the years, architects all over the world have been relying on Skyfold®'s quick and easy space management solutions to reconfigure multifunctional rooms. Skyfold® has been used in corporate boardrooms, training facilities and convention centers. Specialty applications include school gymnasiums, and auditoriums with stepped or sloped floors.

The Zenith® series employs a narrow path of travel, which allows you to freely explore the interior design of the room without excessive worry about obstructions.

Why choose Skyfold® Zenith® series?

- Retracts into the ceiling to maximize floor space
- Industry-leading STC ratings
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- No floor, wall tracks or visible hinges
- Fully automatic
- Easy-to-use turn-key or digital keypad operation
- Quiet operation
- Lightweight panels
- Flat and rigid
- Cost-effective and lightweight structure
- Can be installed to meet at 90°
- Can be used in stepped and sloped spaces
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