



Giesecke+Devrient and HID Global join forces to enable secure touchless access control for clean room environments

2020-10-19

Munich

Giesecke+Devrient

Giesecke+Devrient (G+D) and HID Global have collaborated on a solution for a secure wearable product by Nymi, to enable secure touchless verification without entering a pin code. This will provide environments, like clean rooms, access controls through secure authentication.

The solution enables employees working in clean room environments such as in pharmaceutical industries to authenticate themselves and enter clean room environments securely and easily – without needing to touch any surface. This brings the advantage of highly secure contactless identification and access across the entire facility.

Representing the first result of the cooperation between the two security technology specialists, the authentication mechanism has been developed by G+D, while the access control capability is powered using HID Global technology. The combined solution is implemented in the wristband supplied by Nymi, a manufacturer of highly secure wearable access devices.

On a wearable device, the employee's sensitive data for authentication and access are securely stored within the Secure Element from G+D. Only a few millimeters in size, it ensures strong industry-standard cryptography. Within this Secure Element, a highly specialized software, the Personal Identity Verification (PIV) applet by G+D ensures meeting the highest security requirements.

HID Global's Seos next-generation credential technology is designed for flexibility. With G+D's Secure Element inside, it enables wearables manufacturers to add multiple functionalities such as building and parking access as well as complimentary applications to their smart watches, watchbands, rings and other devices. Authentication to PCs, IT systems and cloud applications, secure print job collection, time and attendance, point of sale, and automated cashless vending, are some of the numerous additional applications supported by Seos credential technology.

"For enterprises around the globe, for whom common security solutions are not sufficient, we engineer customized technologies, combining security with user convenience", says Dr. Carsten Wengel, Head of Sales & Distribution at G+D Mobile Security. "In our increasingly complex world, cooperation between industry specialists is key. With HID Global, we have a leading technology partner for authentication and access control on our side."

Steve Currie, Vice President and Managing Director, Extended Access Technologies at HID Global, adds: "During a global pandemic, a contactless solution for authentication and access is more crucial than ever – especially in sensitive industries. The new authentication and access solution creates a highly innovative use case for wearable devices like wristbands, which are normally targeted towards payment or fitness applications. That's why we are particularly proud to deliver innovative solutions to this sector together with G+D."

About G+D Mobile Security

G+D Mobile Security is a global mobile security technology company headquartered in Munich, Germany. The company is part of the Giesecke+Devrient group. G+D Mobile Security has a workforce of 5,300 employees and generated sales of EUR 877 m in the 2019 fiscal year. More than 40 sales and partner offices as well as 20+ certified production and personalization sites and data centers ensure customer proximity worldwide.

G+D Mobile Security manages and secures billions of digital identities throughout their entire life cycle. Our products and solutions are used by commercial banks, mobile network operators, car and mobile device manufacturers, business enterprises, transit authorities and health insurances and their customers every day to secure payment, communication and device-to-device interaction. G+D Mobile Security is a technology leader in its markets and holds a strong competitive position.