



Essen, August 22, 2024

The leading trade fair for security

## From bullet-resistant hoodies to four-legged robots

Young companies show products “made in Germany” at Security Essen

They are new, they are inventive - and their products make life safer. Among the 500 or so exhibitors at Security Essen are several young companies presenting innovative security technology from Germany. “Young Innovators” is the motto of the joint stand in Hall 5 of the leading trade fair for security, which takes place at Messe Essen from September 17 to 20. The spectrum ranges from bullet and stab-resistant clothing to four-legged walking robots and resistant furniture for detention rooms, hospitals and psychiatric wards. The Federal Ministry for Economic Affairs and Climate Protection is supporting the participation of industry newcomers at the trade fair.

Eibenholz from Unterhaching, a manufacturer of cut-, stab- and bullet-resistant clothing, is one of the exhibitors. The highlight of the shirts, pullovers and vests: they look like smart everyday fashion and are also comfortable to wear. At the same time, they protect against serious injuries. This is made possible by a particularly light and stable synthetic fiber. With the manufacturer Armadillo Tex, another exhibitor of protective clothing awaits the trade visitors. Thanks to a special material, the company's stab protection vests are exceptionally flexible, lightweight and breathable.

## Commissioner Rex has competition

The products from Security Robotics are also an eye-catcher at Security Essen. For example, the software specialist has several walking robots on offer that are anatomically similar to a dog and also roughly the same size. The artificial four-legged friends are used for patrols in security, measurements at facilities and access control. They have already put their skills to the test on various oil platforms and in the radioactively contaminated danger zone in Chernobyl.



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The manufacturer Pineapple's furniture, which has been developed for demanding environments, is aimed specifically at the owners of prisons, hospitals and psychiatric wards. The portfolio ranges from seating and tables to cabinets and beds. The functions of the robust furniture ranges include additional reinforcement, weighting and anti-ligature properties. As a result, they reduce the risk of suicide, self-harm and injury to others, minimize hiding places for contraband and contribute to de-escalation in stressful situations.

### **Robots that recognize defective fences**

The young and innovative companies at Security Essen are also causing a stir when it comes to software. For example, berrybeat is a start-up that develops software packages for welcome management in companies. The applications help with the onboarding and offboarding of employees, visitor and access management and room bookings. Energy Robotics, on the other hand, is developing AI software for autonomous inspections with robots that detect gas leaks, people and defects in fences, for example.

123456789 - according to the Hasso Plattner Institute, this was the most popular password among Germans last year. Security is different, which is why IT experts advise the use of password managers with a secure master password. At Security Essen, visitors can experience heylogin, a password manager with hardware-based end-to-end encryption that even works without a master password. With just one click, users can log in anywhere without having to type in passwords themselves.

### **For a secure home**

Protection against digital threats plays an important role at Security Essen. But there are still dangers lurking in non-digital areas too. The exhibitor Safe2Home, which completes the line-up of Young Innovators at Security Essen with its innovative and self-developed wireless alarm systems, provides a remedy.