FATH Mechatronics receives award

ZIM Individual Project of the Year 2021

17. June, 2021

Mirko Jan Fath, Jürgen Sept and Wido Fath (from left to right) hold the "ZIM Individual Project of the Year 2021" certificate in their hands (Picture source: FATH Mechatronics GmbH)

FATH Mechatronics GmbH is a specialist for electronic locking systems and manufacturer of the innovative access control system TANlock 3. As part of the Central Innovation Programme for SMEs (ZIM) of the Federal Ministry for Economic Affairs and Energy (BMWi), FATH Mechatronics was honored by the Federal Minister for Economic Affairs and Energy, Peter Altmaier, for its outstanding research and development performance with the "ZIM Individual Project of the Year 2021" award.

Germany – Spalt 17.06.2021 - Once again, the innovative company from Bavaria has managed to win a valuable award (zim.de, example of success 092). "That makes us really proud," commented CTO Jürgen Sept, today after the award ceremony.

Critical infrastructure security starts at the server cabinet. Operators of data centers, companies and municipalities must protect network and server cabinets from unauthorized access. At the same time, uncomplicated access for authorized persons should be guaranteed. The "TANlock 3" access control system satisfies these high requirements for infrastructure security to the highest degree and has demonstrated this impressively in many projects.

The "TANlock 3" locking system can be integrated into standard interfaces such as SNMPs, syslog, MS ActiveDirectory and LDAPs without additional software and also offers a high level of security. The TANlock 3 system enables special "authentication modules" (TANlock Authentication Modules), which can be replaced within a few minutes if required. This means that data center and business operators can react particularly quickly to individual security requirements. The basic structure of the TANlock 3 is completely identical, regardless of which authentication module is ordered. A new safety requirement, e. e.g. for an RFID standard (radio-frequency identification), hand vein scanner or fingerprint scanner can be fulfilled immediately by changing the authentication component in the security lock. There is also the possibility of two-factor authentication or encryption via blockchain technology.

Thanks to the consistent minimization of complexity, it was ultimately possible to develop an easy-to-install product that is operated without additional hardware or software. For example, a separate power supply was also dispensed with and common standards such as PoE (Power over Ethernet) were applied. "For the first time, it is also possible to connect sensors for temperature, humidity, smoke, etc. directly to the electronic server cabinet lock," reports Jürgen Sept, proudly adding that the market acceptance is very high. TANlock was quickly recognized as an innovation leader in the field of "electronic locking systems for server racks". The TANlock product won the renowned German Data Center Prize. Individually adapted TANlocks have now been developed for some companies (including DAX-listed names). The TANlock already comprises several hundred variants in total.

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FATH is an international company group with headquarters in Spalt and around 350 employees all over the world. The company specializes in the development, production and sales of components for mechanical engineering. The group has locations in Germany, the USA, the PR of China, Hungary, Great Britain, Mexico, Brazil and the Netherlands. (fath24.com)

FATH Mechatronics develops, produces and markets mechatronic products. The specialist for electronic locking systems and intelligent access control makes a valuable contribution to the security of the critical IT infrastructure directly on the server cabinet. FATH Mechatronics GmbH has already received several awards for its outstanding research and development performance. (tanlock.com)