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Press release Nov. 16 2021 - Visor-Ex®01: Collaboration between ECOM Instruments and IRISTICK leads to next generation smart glasses for hazardous areas.

- Intelligent, modular ecosystem of smart glasses Visor-Ex® 01, smartphone ECOM Smart-Ex® 02 and pocket unit for power supply
- Unrestricted freedom of movement and maximum wearing comfort thanks to the lightweight and robust design of the smart glasses
- Co-created for industrial use in hazardous areas

Visor-Ex® 01, co-creation of Pepperl+Fuchs brand ECOM Instruments and IRISTICK.

The Pepperl+Fuchs brand ECOM Instruments introduces **Visor-Ex® 01 smart glasses for industrial use in hazardous areas**. The intelligent wearable, weighing just 180 g, combines high camera / display quality and reliable communication features in an ergonomic design for user's utmost comfort. This **provides mobile workers with an optimal companion for tasks that require hands-free use as well as continuous communication, for example with a remote expert**. This product is the result of a long-term close collaboration between ECOM Instruments and IRISTICK, bringing together ECOM's in-depth knowledge of the requirements of hazardous areas with IRISTICK's profound experience of smart glasses development.

Innovative tool for the mobile worker in hazardous areas

A total of three integrated cameras transform Visor-Ex® 01 into the remote expert's bionic eye. Two 16-megapixel cameras are centrally positioned to depict the wearer's natural field of vision – this way remote expert views what is happening from the same angle and perspective as the mobile worker. A secondary camera offers a 6x optical zoom for zooming in without loss of quality and fast scanning of barcodes and QR codes.

The system utilises the ECOM Smart-Ex® 02 smartphone for **hazardous areas** as a computing unit with LTE connectivity and a pocket unit with a replaceable battery for power supply, all combined in an intelligent ecosystem for a wide range of application scenarios in the industrial sector. The distribution of functions across the individual system components helps to minimise the weight of the headset unit – without compromising on performance, connectivity or battery life. **By connecting to the Smart-Ex® 02, users can continue to use their tried-and-tested smartphone for harsh environmental conditions** without restriction and benefit from all the



advantages and security features and controls of the Android 11 operating system, including over-the-air updates. Leading to ease of use and low Total Cost of Ownership.

Visor-Ex® 01 will be certified for ATEX/IECEX Zone 1/21 and 2/22 as well as NEC/CEC Division 1 and 2 and will have protection class IP168. It can be used within a temperature range of -20 to +60 °C.

For more information: www.visor-ex.com

For sales information : sales@iristick.com or sales@ecom-ex.com

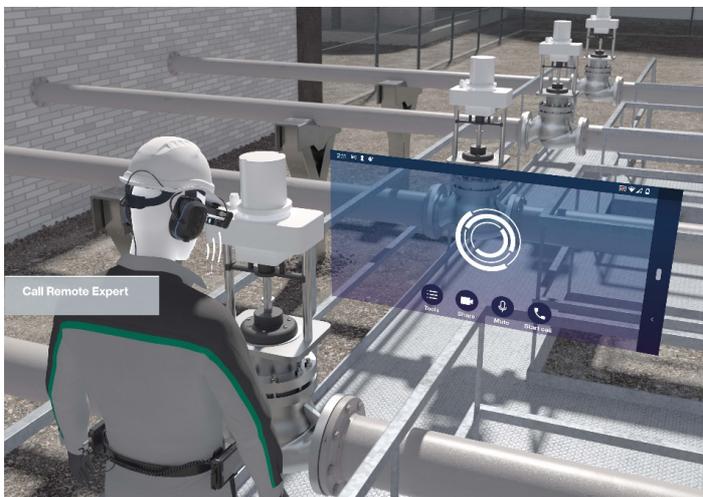
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Pictures (Copyright: ECOM Instruments):



Caption: The Visor-Ex@ 01 from ECOM Instruments are smart glasses for industrial use in hazardous areas. The intelligent wearable combines high camera quality and reliable communication features in an ergonomic design for user's utmost comfort – with a weight of just 180 g, making them the optimal solution for mobile workers for all tasks that require hands-free use as well as continuous communication.



Caption 2: The Visor-Ex@ 01 is the optimal solution for mobile workers for all tasks that require hands-free use as well as continuous communication in hazardous areas. This can include many digital workflows like maintenance procedures under the guidance of a remote support expert, who can give instructions and guidance with precision seeing what is happening through the eyes of the technician.



Caption 3: Visor-Ex@ 01 will be certified according to ATEX/IECEX Zone 1/21 and 2/22 as well as NEC/CEC Division 1 and 2 and will have protection class IP168. It can be used in a temperature range from -20 to +60 °C. The Visor-Ex@ 01 will be available from December 2021 as an industrial version and in Q1/2022 in the DZ1 and DZ2 variants.



About Iristick

Iristick develops a range of industrial smart glasses to support enterprises in their digital transformation. Industry reports indicate that the use of smart glasses increase productivity by almost 20% as a result of the reduction of errors and the immediate availability of expert knowledge. Based on customer feedback, industry requirements and market standards, we developed a complete product range, with Iristick.G2 and Iristick.H1 as flagship products and ECOM Visor-Ex® 01 in collaboration with intrinsically safe world leader ECOM Instruments, a Pepperl+Fuchs Brand

Iristick enables hands-free operations in three domains:

- 'Remote assistance' allows an expert to remotely support a colleague during work in the field.
- 'Digital workflow' provides hands-free instructions and inspection guidance when executing daily tasks.
- 'Pick-by-Vision' is the new way of operating logistics warehouses.

Iristick smart glasses are currently being used and tested by customers around the world in maintenance, field services, logistics, shop floor and manufacturing activities, quality control and telemedicine. Iristick develops a range of smart unique in the world as they can be connected to both iOS and Android mobile phones integrating securely in all company MDM systems. Iristick, based in Antwerp (Belgium) and New York (USA) supports customers globally. Winner of a Red Dot Award 2018 and a H2020 grant.

About ECOM Instruments

The Pepperl+Fuchs brand ECOM Instruments is one of the top addresses internationally for holistic solutions for mobile computing and industrial communication in potentially explosive atmospheres. As an industry pioneer, ECOM has played a key role in the development of explosion protection for mobile devices since 1986 and has demonstrated its technological expertise with a large number of innovations. ECOM is the preferred brand for explosion-protected mobile phones, smartphones, tablets, wearables as well as peripherals that meet the highest requirements in industrial use. As part of the Pepperl+Fuchs Group, technology leader for industrial sensor technology and electrical explosion protection, customers benefit from a seamless portfolio with technologies for conventional and Industry 4.0 applications.

In the five core disciplines of mobile computing, communication, digital products and services, measurement and calibration technology and mobile luminaires, ECOM offers an enormous variety of innovative and field-proven mobile solutions, peripherals, services and intelligent software. Each individual solution combines uncompromising safety with maximum functionality - with all the necessary approvals and certificates for the specific application. Worldwide support, with service centres in Germany, the USA, Singapore and the United Arab Emirates, rounds off the range.

More information on: www.ecom-ex.com and www.pepperl-fuchs.com