

Slovenian Mountain Rescue Association Adopts Cutting-Edge Patient Monitoring Technology from cosinuss[°]

Innovative, Ultra-Light Sensor Enhances Mobile Patient Monitoring
in Challenging Environments



Jesenice (SLO) / Munich (DE), September 14, 2024 - The Slovenian Mountain Rescue Association (GRZS) is setting new standards in its operation by equipping its teams with the innovative and ultra-light patient monitoring system from cosinuss[°]. With this decision, the GRZS became the first European mountain rescue organization to equip its entire organization with the cosinuss[°] cutting edge solution. This small but powerful technology is ready to revolutionize mobile patient monitoring in highly challenging environments.

On September 14, the Day of Slovenian Mountain Rescuers, cosinuss[°] with the Slovenian Mountain Rescue Association and the Jesenice Mountain Rescue Association used the occasion of their 100th anniversary celebrations to officially hand over the new cutting-edge monitoring solution to the President of the GRZS, Dr. Gregor Dolinar, and present them to the mountain rescuers.

Continuous monitoring that fits in the pocket

The solution from cosinuss[°] composed of the c-med[°] alpha in-ear sensor and the cosinuss[°] Health mobile application, provides the Slovenian mountain rescuers with a compact, lightweight patient monitoring solution that can be easily carried in a pocket and used with smartphones or tablets. The c-med[°] alpha not only measures pulse rate, oxygen saturation, and body temperature but also delivers essential additional data such as perfusion and quality index. Thanks to the continuously visible PPG signal in the cosinuss[°] Health App, rescuers can conduct precise monitoring. Weighing just 6.5 g, with a size of 4.5 cm and wireless Bluetooth transmission, the sensor is not only extremely lightweight but also highly user-friendly.

The Ear: The Ideal Site for Vital Signs Monitoring

Choosing the outer ear canal as the measurement site offers significant advantages over traditional places like the finger. The ear canal allows for more accurate and reliable detection of vital signs due to its proximity to the brain, consistent blood flow, and protected inner positioning. Additionally, its proximity to the brain can be very helpful for additional interpretation of the measured values.

Proven and In-Demand Technology

This new technology has already proven its effectiveness in numerous studies and pilot projects, particularly in remote patient monitoring and mountain and air rescue operations. Now, the Slovenian Mountain Rescue Service joins the ranks of pioneers in mountain rescue by adopting this technology. “We are thrilled about this new partnership with the Slovenian Mountain Rescue Service. We are proud that our innovative technology can help ease the work of mountain rescuers and improve the care of injured persons,” said Dr. Johannes Kreuzer, CEO of cosinuss[°]. Dr. Gregor Dolinar agrees, stating, “We have decided to purchase and integrate cosinuss[°] monitoring technology into our equipment, because with such an innovation, we can further improve the care of injured people and provide even more efficient assistance in the event of an accident in difficult, alpine terrain.”

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About the Slovenian Mountain Rescue Association (Gorska reševalna zveza Slovenije)

The Slovenian Mountain Rescue Association (GRZS) is an independent organization with more than 110 years of tradition that specializes in the prevention and rescue of people in the mountains and in the event of natural disasters and other emergencies where safety, health and life are at risk. It is recognized as a public service for protection and rescue by the Administration for Civil Protection and Disaster Relief, a body within the Ministry of Defence. GRZS is made up of the basic units of the Mountain Rescue Service (GRS), voluntary and non-profit mountaineering associations each rescuing in a specific region.

About cosinuss[°]

Cosinuss GmbH is a certified medical device manufacturer based in Munich that specializes in mobile and continuous monitoring of various vital signs. With more than 15 years of research and development, numerous patents and medically certified products, cosinuss[°] is a pioneer and hidden champion in the field of mobile and continuous vital signs monitoring.

cosinuss^o pursues the vision of revolutionizing the monitoring and recording of vital signs in healthcare - with the aim of improving the treatment and thus the lives of patients and providing the tools to make healthcare more efficient and effective.

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Photos:



Photo credit: Slovenian Mountain Rescue Association (GRZS), Johannes Kreuzer (cosinuss^o, left) handing over the sensors to Dr. Gregor Dolinar (GRZS, right) and Luka Camlek (GRZS, middle).

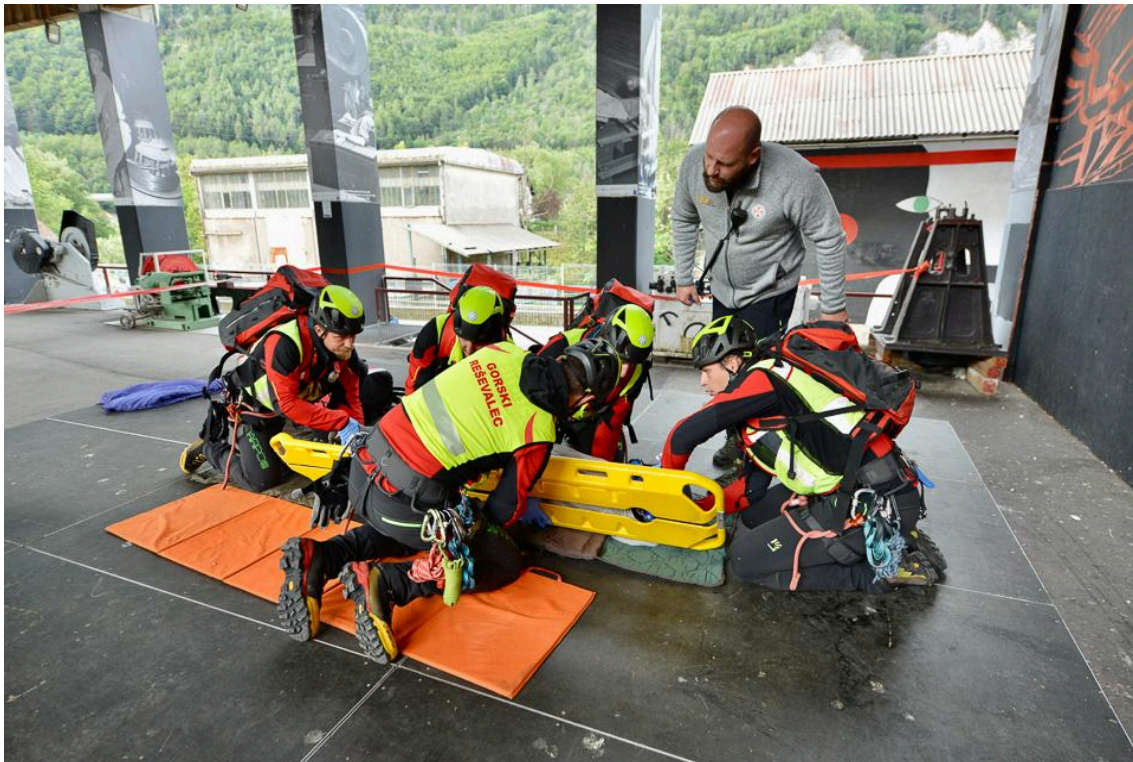


Photo credit: Slovenian Mountain Rescue Association (GRZS). Simulated emergency rescue scenario conducted by GRZS team.



Photo credit: Slovenian Mountain Rescue Association (GRZS). Simulated emergency rescue scenario conducted by GRZS team in an indoor climbing gym.



Photo credit: Slovenian Mountain Rescue Association (GRZS). Top view of the conference room during the 100-year anniversary celebration of GRZS.



Photo credit: Slovenian Mountain Rescue Association (GRZS). Simulated emergency rescue scenario conducted by GRZS team.



Photo credit: Slovenian Mountain Rescue Association (GRZS). Group photo of GRZS mountain rescuers receiving special honors.