Spelsberg supports Erasmus+ project in Galicia

Robust enclosure solutions for environmental protection

Schalksmühle, 27.10.2026. Spelsberg is supporting an Erasmus+ project run by the Carl Severing Vocational College for Metal and Electrical Engineering (CSBME) in Bielefeld. As part of the "digital.forest.lab – We are making forests and ourselves fit for a sustainable future" project, aspiring IT specialists developed and installed intelligent, energy-autonomous environmental monitoring systems in the Spanish region of Galicia. Spelsberg provided robust empty enclosures for this purpose, reliably protecting the sensitive electronics from the demanding conditions on site.

The project focuses on the question of how modern technology can help monitor and better understand the development of young trees after reforestation. In the mountainous region of O Courel in the province of Lugo, the measurement systems developed by the students record, among other things, soil moisture, temperature, pH value and the electrical conductivity of the soil, as well as air temperature and humidity. The measurement data is transmitted wirelessly and can also be monitored from Bielefeld in the future.

GEOS and TK PC in use

For the assembly of the measurement systems, Spelsberg provided several enclosures for harsh operating conditions. Among other products, GEOS 3030-22-o and TK PC 2518-11-m PV are used. The selection of the solutions was therefore of particular importance for the project. Because in the Galician mountains, sensitive electronics must be reliably protected against weather influences such as solar radiation. As Spelsberg's TK series with IP66 protection

Publisher:
Günther Spelsberg GmbH & Co. KG
Im Gewerbepark 1
D-58579 Schalksmühle
Phone: +49 2355 892-0
Fax: +49 2355 892-299
E-mail: info@spelsberg.de
Website: www.spelsberg.de

Contact person:
Jörn Lindert
Head of Marketing
Email: jli@spelsberg.de

Editorial office:
presigno GmbH
Content Marketing | PR
Labor Phoenix
Konrad-Adenauer-Allee 10
44263 Dortmund

Phone: +49 231 9999 5470
www.presigno.de
Email: pr@presigno.de

Free reprint – copy requested

offers high resistance, among other things, this product solution is particularly suitable for the project. The GEOS series, with IP66, IP67 and IP69 protection, also provides reliable protection against the ingress of dust and water. Manufactured from high-quality polycarbonate, the enclosures are UV- and temperature-resistant and impact-resistant to IK08 or IK09. “As experts in electrical installation and enclosure technology, we know how crucial reliable protection is for electronic components. Especially when technology is used under demanding conditions. That is why we are happy to support the CSBME’s commitment, and we are pleased that our products are part of a project that combines technical training with sustainability and international exchange,” says Andre Sprey, Regional Sales Manager Westphalia North at Spelsberg.

Energy-autonomous monitoring technology reliably protected by Spelsberg

The systems assembled by the trainees operate completely autonomously using solar panels and integrated batteries. The measurement nodes transmit their data to a central receiving station via LoRa radio technology. A successful test over five kilometres confirmed the range of the radio connection. Initially, five functioning transmitter nodes and the central receiving station were installed in the mountain region. The additional measurement nodes are to be added successively.

For Spelsberg, supporting the Erasmus+ project is an example of the many ways in which outdoor and industrial enclosures can be used. The robust enclosures provide the necessary foundation for the students’ self-developed monitoring technology to remain functional over the long term under challenging conditions. At the same time, the cooperation enables the aspiring specialists to apply their technical knowledge to a practical international task and gain first-hand experience of the requirements for enclosure solutions.

Publisher:
Günther Spelsberg GmbH & Co. KG
Im Gewerbepark 1
D-58579 Schalksmühle
Phone: +49 2355 892-0
Fax: +49 2355 892-299
E-mail: info@spelsberg.de
Website: www.spelsberg.de

Contact person:
Jörn Lindert
Head of Marketing
Email: jli@spelsberg.de

Editorial office:
presigno GmbH
Content Marketing | PR
Labor Phoenix
Konrad-Adenauer-Allee 10
44263 Dortmund

Phone: +49 231 9999 5470
www.presigno.de
Email: pr@presigno.de

Free reprint – copy requested

(approx. 3,600 characters)

About Spelsberg

Spelsberg is one of the internationally leading manufacturers in the electrical industry and is primarily active in the field of electrical installation and enclosure technology. The family-owned company with around 600 employees develops, produces and sells products and systems for the electrical trade and industry and is regarded as a competent problem solver for all enclosure-related tasks. Spelsberg has stood for safety, high quality and technical performance for over 120 years and has its own VDE- and UL-certified test laboratories. The range includes over 5,000 widely available articles, including junction boxes, Small distribution boards, terminal blocks, meter enclosures and industrial enclosures. Furthermore, the family-owned company develops, manufactures and markets enclosure as well as ready-to-wire systems tailored to customer-specific requirements. The enclosure specialist combines tradition and modernity: with the expansion into the e-mobility business sector, Spelsberg is positioning itself more broadly in the field of sustainable and forward-looking technologies.

Publisher:
Günther Spelsberg GmbH & Co. KG
Im Gewerbepark 1
D-58579 Schalksmühle
Phone: +49 2355 892-0
Fax: +49 2355 892-299
E-mail: info@spelsberg.de
Website: www.spelsberg.de

Contact person:
Jörn Lindert
Head of Marketing
Email: jli@spelsberg.de

Editorial office:
presigno GmbH
Content Marketing | PR
Labor Phoenix
Konrad-Adenauer-Allee 10
44263 Dortmund

Phone: +49 231 9999 5470
www.presigno.de
Email: pr@presigno.de

Free reprint – copy requested