FOR IMMEDIATE RELEASE

Pushing boundaries in Construction: Vemaventuri‘s innovative sensor solutions at bauma 2025

Vemaventuri, a leader in construction sensor technology and data acquisition solutions, is excited to unveil its latest innovations at bauma 2025, the world’s leading trade fair for construction and mining machinery.

# Introducing: TEMO Link & SONO Hub – Easily elevate your construction projects with real-time monitoring and quality control

TEMO Link – Concrete Temperature & Maturity Monitoring Made Simpler

Vemaventuri introduces TEMO Link, a complementary, specialized version of concrete temperature and maturity monitoring. The existing complete solution, in addition to concrete temperature and maturity monitoring, covers two additional use cases, concrete pressure monitoring and concrete detection and compaction monitoring. TEMO Link focuses on bringing the technology to construction professionals in a wide array of projects. With it‘s very simple installation, cost-effective setup with minimal embedded parts and focus on reusing as much material as possible, the system makes temperature and strength estimation simple, sustainable and approachable.

“With TEMOlink’s built-in cellular connectivity, construction teams gain real-time insights and can base their decisions on valuable information. All whilst providing an easy-to-use, cost-efficient and sustainable solution” says Henning Staves, Head of Product at Vemaventuri.

TEMO Link also supports various maturity functions for calibration, including the linear Nurse-Saul method (ASTM C1074) and the non-linear Arrhenius function, making it one of the most efficient and cost-effective monitoring solution to date.

TEMO Link helps accelerate project timelines while keeping budgets on track by providing precise concrete strength data that allows for earlier formwork striking. It helps minimizing the risk of thermal cracking, ensuring high concrete quality in all conditions. With real-time alerts sent via the Vemaventuri web application, users stay informed about critical developments without the need for on-site visits. Additionally, the system ensures full compliance with documentation requirements through 24/7 data tracking and reporting, making concrete monitoring more efficient and reliable than ever.

SONO Hub – Next-Gen Handheld Device for W/C-Ratio Quality Control

Vemaventuri is also launching SONO Hub, a new handheld device for its SONO solution for water content determination of fresh concrete. This latest innovation allows for on-device W/C-value calculation, local and direct cloud data storage and analysis via smartphone connectivity.

"Quality concrete starts with precision. The SONO Hub’s instant W/C ratio measurement and cloud integration redefine efficiency, ensuring compliance and longevity in every pour. It’s a must-have for professionals who refuse to compromise on quality," says Aaron Lucid, Concrete Expert and Partnership and Channel Manager at Vemaventuri.

The SONO Hub, equipped with IMKO's measurement probe, quickly measures the water-cement ratio in minutes, unlike traditional methods such as the Darr test. This ensures high concrete quality by allowing decision-makers to respond to undesired measurements–reducing the risk of cracks and spalling through accurate water content control. It also simplifies quality control both on-site and in labs, making the process more efficient and reliable. Ultimately, using the SONO Hub helps extend the lifespan of concrete structures and thus contributes to sustainability.

# Additional Product Enhancements & Innovations

**Effortless Installation with preconfigured Thermocouple Sensor Cables**

For TEMO and TEMO Link users, Vemaventuri now offers preconfigured 5m thermocouple sensor cables, eliminating the need for manual cutting and preparation. The original 100m roll option remains available for added flexibility -focusing an easy usability, sustainability and cost-effectiveness at the same time.

**New 42mm Pressure Sensors and Color-Coded Cables**

Vemaventuri expands its PREMO Concrete Pressure Monitoring system with new pressure sensors tailored for 42mm plywood thickness. Additionally, the system now features color-coded cables, improving speed and efficiency when connecting sensors and nodes.

**Enhanced Web Application for Better Data Insights**

The Vemaventuri cloud platform has been upgraded with a new project overview interface, improved performance, and a streamlined general user experience. This allows construction professionals to manage their project and sensor data more efficiently, regardless of complexity.

**Simplified Concrete Documentation with CODO**

Vemaventuri introduces CODO, a cutting-edge Concrete Documentation tool that redefines how construction teams manage and track concrete data. CODO provides precise logging and reporting, capturing mix, weather, delivery, and placement details. This innovative solution ensures quality, traceability, and compliance, offering easily generated reports for comprehensive project oversight.

**Expanded Availability Through the PERI Online Shop**

In Germany, Vemaventuri’s products will now be available in the PERI online shop, https://shop.peri.de, making it even easier for customers to access and integrate these solutions.

**Organized Accessories Equipment Storage**

Vemaventuri introduces the System Case Organizer. The high-quality box is designed for multiple applications and seamless integration with our existing product transportation solutions. The stackable systainer³ Solution from TANOS allows it to be securely placed on top of other transport boxes, optimizing storage and logistics.

**Future Innovations: AI, BIM & XR Integration**

Vemaventuri continues to invest in AI-driven optimization of concreting processes, improved concrete documentation, and integration with BIM and XR solutions. Additionally, several exciting projects in collaboration with partner companies like PERI, Core Sensing and Autodesk are set to attract significant attention in the future.

"Looking ahead, we remain dedicated to pioneering new possibilities, leveraging emerging technologies, and setting new standards in construction innovation. Whether you're joining us at bauma 2025 to witness the future of construction technology or connecting with us afterward, Vemaventuri is committed to pushing the boundaries and setting new industry standards. Don’t miss the chance to discuss your projects and ideas with us and get a firsthand view of our new products." comments CEO, Michel Seeger, on the numerous innovations.

At bauma 2025 from April 7–13, 2025, Vemaventuri is in the Digital Base at the PERI Booth FN.718.

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About Vemaventuri:

Vemaventuri, a subsidiary of PERI, is at the forefront of concrete sensor innovation. By combining advanced technology with practical construction insights, the company delivers solutions that enhance efficiency, safety, and sustainability. For more information, visit https://vemaventuri.io.

About PERI:

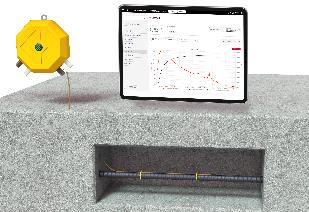
With a turnover of € 1,847 million in 2023, PERI is one of the largest international manufacturers and suppliers of formwork and scaffolding systems. Since its foundation in 1969, central functions, development and production have been located in Weissenhorn, south of Ulm, Germany. With around 9,200 employees, over 65 subsidiaries and well over 160 efficient warehouse locations, PERI serves its customers worldwide with innovative system equipment and comprehensive services for all aspects of formwork and scaffolding technology. The great innovative strength, the high level of competence in engineering services and the best material qualities ensure economical, efficient and safe solutions for every formwork and scaffolding project worldwide.

Images:

Ein Bild, das Werkzeug, Büroausstattung, Bürobedarf, medizinische Ausrüstung enthält.

Automatisch generierte Beschreibung

SONO Hub



TEMO Link

Ein Bild, das Text, Kabel enthält.

KI-generierte Inhalte können fehlerhaft sein.

PREMO color coded cables

Ein Bild, das Kabel enthält.

KI-generierte Inhalte können fehlerhaft sein.

5m TEMO Thermocouples



System Case Organizer

Ein Bild, das Text, Software, Webseite, Website enthält.

KI-generierte Inhalte können fehlerhaft sein.

Screenshot new UI/UX Design

Ein Bild, das Menschliches Gesicht, Person, Kleidung, Formelle Kleidung enthält.

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Henning Staves, Head of Products at Vemaventuri

  
Aaron Lucid, Concrete Expert and Partnership and Channel Manager at Vemaventuri

Ein Bild, das Menschliches Gesicht, Person, Kleidung, Mann enthält.

Automatisch generierte Beschreibung

Michel Seeger, CEO Vemaventuri