

# La Lombardia sul tetto del mondo - Fuorisalone 2024: the contribution of the LSI LASTEM weather station



## Lombardy on the Roof of the World:

the Contribution of the LSI  
LASTEM Weather Station



## An open-air laboratory

During the Fuorisalone 2024, an international event that animates Milan every year with cutting-edge installations and projects, the Lombardy Region paid tribute to technological and scientific innovation with an evocative installation: "La Lombardia sul tetto del mondo". This installation represents a **tribute** to the **Everest Pyramid Observatory**, a unique scientific laboratory in the world located at over 5,000 meters above sea level on the Nepalese side of Everest. On the occasion of Design Week, **from 16 to 21 April**, the high-strength steel and fabric shell that will cover the Everest Pyramid during 2024 to improve its energy efficiency and living comfort was displayed **as an installation open to the public** in Lombardia Square. As part of this celebration of **technology** and **sustainability**, LSI LASTEM had the honor of contributing its own weather station, used to **monitor** the **physical parameters around the installation** in real time.



## LSI LASTEM and environmental monitoring for a unique event

Thanks to the LSI LASTEM weather station, it was possible to collect **environmental data in real time** during the event, giving visitors a direct view of the complex climatic conditions that researchers face at the Pyramid Observatory. Our Alpha-Log + ALL IN ONE station continuously monitored parameters such as temperature, humidity, wind speed and direction outside the installation.

Inside, visitors could observe the ice melting process and participate in immersive workshops. Thanks to a **virtual headset**, they could explore a glacier up close and experience the **effects of climate change** firsthand. The virtual journey took them to the Forni Glacier during **monitoring and research activities** by **researchers from the State University of Milan**.

This experience allowed them to reflect on the challenges of climate change and the **importance** of constantly **monitoring** the environment to **understand its global transformations**.



## Environmental monitoring and awareness raising: a perfect combination

In the context of Design Week, the installation of the Everest Pyramid played a fundamental role in raising public awareness of the issue of climate change, a central and highly relevant topic. Through the collection of real-time environmental data, visitors were able to closely observe the impact of climate variations, transforming the phenomenon of global warming into a concrete and tangible reality. This immersive experience highlighted the **importance of continuous monitoring of environmental conditions**, essential both in **extreme environments** such as Everest and in **urban contexts**, where the consequences of climate change are increasingly visible.

## The LSI LASTEM weather station: from the summit of Everest to the Fuorisalone

LSI LASTEM **weather stations**, designed to withstand and guarantee accurate data even in extreme conditions, find application in **very different contexts**. In this example, a compact and multi-parametric station was used for the installation of the Fuorisalone, but a **more complex and articulated station** is **installed** right on **Everest**, at an altitude of 5,675 meters on Mount Kala Patthar, near the real Pyramid Laboratory and Observatory. Active since 2008, this station provides **continuous meteorological data** for scientific research, demonstrating the reliability of

the instrumentation in one of the most extreme environments in the world. From the exhibitions at the Fuorisalone to the peaks of the Himalayas, LSI LASTEM underlines the importance of these solutions for **advanced scientific studies** and **projects of global environmental importance**. With highly accurate sensors and a constant data transmission system, LSI LASTEM stations are essential for understanding weather changes and supporting climate research.



## The future of climate monitoring and LSI LASTEM's commitment

LSI LASTEM's participation in the Fuorisalone 2024 represented a concrete commitment to raise public awareness of the key role of **technology** in **monitoring climate change**. Looking to the future, LSI LASTEM will continue to innovate and support scientific projects that promote sustainability and environmental awareness, confirming the importance of climate data collection to address global challenges.