



Bringing thermal comfort to people

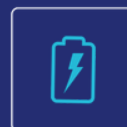
- TETHYS -

**IMPROVING THERMAL COMFORT ON
CONSTRUCTION SITES**



Mission

Deliver stable thermal comfort to construction workers, improve their endurance and reduce heat-related risks on the most exposed sites.



TETHYS S.A.S.

950 av Roumanille
Biot, France

www.tethys.cool

+33 (0) 6 23 14 97 29
info@tethys.cool

© 2026

Construction is one of the professional environments most exposed to heat stress. Teams work under direct sunlight, often on poorly ventilated sites where heat builds up quickly. Operators alternate between phases of intense effort and rest periods, all while wearing high-visibility vests, harnesses and PPE.

Under these conditions, the solutions traditionally used (gel packs) quickly show their limits: short effective duration, heavy logistics (freezing, rehydration).

Construction therefore needs an active, stable and genuinely field-ready solution to protect exposed workers.

Key benefits

- **+15%** productivity
- **-20%** risk of heat-related accidents
- **-25%** operational costs (breaks, disruption, fatigue)
- Estimated ROI: ~**€6k** / employee / year

Performance

- Operating range – 20°C to +60°C
- Thermal absorption up to 50 W
- Battery life 3h30 to 8h (double set available)
- Total weight < 1.6 kg

Field results

Trials conducted at Colas and Eiffage show :

- 96% of testers feel an immediate thermal difference
- Reduced fatigue at end of day
- Fewer unplanned breaks
- Adoption held back only by initial ergonomics

New-generation Tempesta :

1. Redesigned hot/cold system, controlled via a premium button positioned on the hip
2. Integrated lateral ventilation, enabling active extraction of hot air under PPE
3. Redesigned multi-size architecture, with improved weight distribution and stability
4. Faster donning, with a simplified structure that cuts preparation time
5. +69% thermal diffusion surface, thanks to an internal aluminum plate covering back and chest



**- EIFFAGE X TETHYS -
BRANCH MANAGER**

"OUR TEAM WAS CONVINCED BY THE POTENTIAL OF THE VEST [...]. WE APPRECIATE THE QUALITY OF THE DEVICE, THE AVAILABILITY OF THE TEAMS AND THEIR COMMITMENT TO CONTINUOUS IMPROVEMENT."



TETHYS S.A.S.

950 av Roumanille
Biot, France

www.tethys.cool

+33 (0) 6 23 14 97 29
info@tethys.cool