



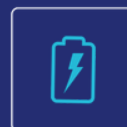
Bringing thermal comfort to people

– VEOLIA HAZARDOUS

**WASTE TREATMENT & WATER DEPURATION X TETHYS –
HOLDING THE LINE UNDER FULL PPE
FROM FURNACE TO TANK**



Mission : Improve safety, comfort and human performance in the most demanding industrial environments through active, precise and reliable thermal control technology.



TETHYS S.A.S.

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On waste and water treatment sites, thermal strain comes not from the ambient air but from the equipment: covering garments mandatory including in summer, a full-length aluminised suit for cleaning furnaces above 300°C, a chemical coverall with powered air-purifying respirator.

The operator can neither remove the protection nor take shelter. Without airflow, sweat evaporation is blocked: ice packs last 1h to 1h30, then need 4h refreezing.

Tempesta and Tramontana deliver active thermal control, worn under existing PPE.

Regulation

- **French Decree 2025-482, in force since 01/07/2025**
- **Heat risk assessed indoors and outdoors**
- **Art. R. 4463-3: maintain a stable body temperature**

Performance

Setpoint adjustable 15°C to 55°C

Thermal power 30 W

Replaceable battery, double set

Weight < 900 g

Water fluid loop, PID control

Patent WO 2024/141723

A1

Eighteen months

Three entities, two trades, no trial ended in a stop:

2025 — vests in the formal Tethys trial campaign

April 2026 — field trial, hazardous waste site, Grasse

May 2026 — four wearers identified by the client

July 2026 — trial at a wastewater plant, La Seyne

July 2026 — purchase order, two-month campaign

September 2026 — presentation to all business units

What the teams say

“Our staff work in an industrial facility with a sewage-sludge incineration furnace, where heat is intense. We have tested cooling garment solutions in the past, but none proved conclusive.”

— **Veolia Eau, QSE Manager**

“Tethys' approach to personal thermal control represents an opportunity for us to strengthen the protection and comfort of staff working in areas of high thermal strain.”

— **SARPI-Veolia, Managing Director**

TETHYS

**– VEOLIA HAZARDOUS
WASTE TREATMENT & WATER DEPURATION X TETHYS –
PROCUREMENT & HSE COORDINATOR**

**“THIS VEST DELIVERS A GENUINE SENSATION OF COOLNESS
LASTING AROUND 3H00 DEPENDING ON BATTERY CONDITION. THE
VESTS WERE TESTED BY OUR GRASSE SITE, WHICH ALLOWED
TETHYS TO REFINE THE PRODUCT BEFORE MOVING TO
COMMERCIAL RELEASE.”**



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