Measuring Cold Exposure

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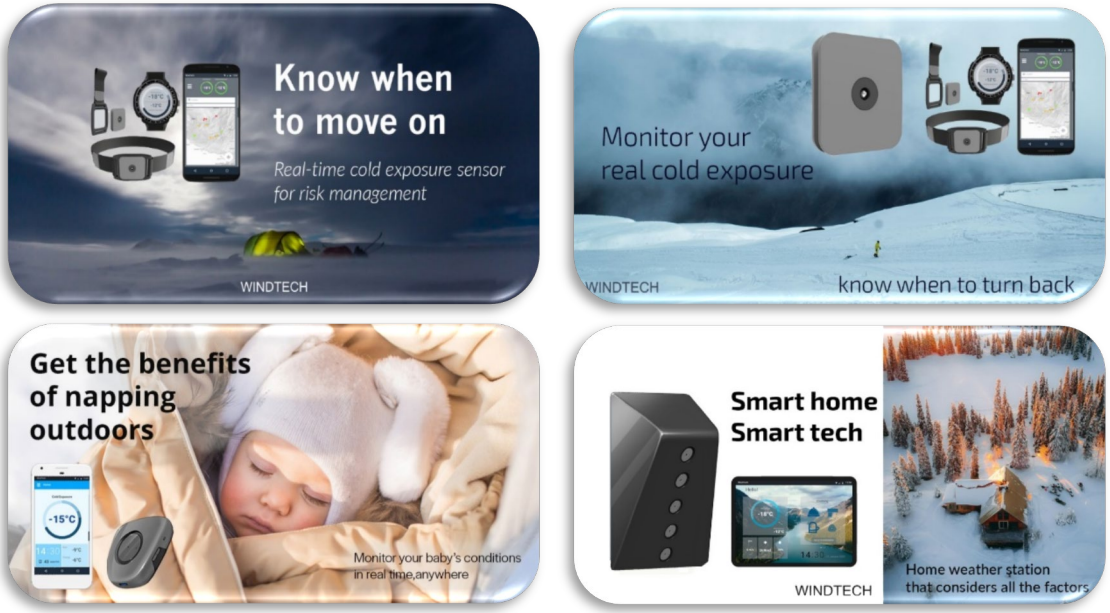
Project Objective(s) Graphical Abstract



Project Objective Abstract

WINDTECH has developed the first **wearable real feel cold sensor**, to monitor an individual's cold exposure, in real-time, when outdoors and exposed to the elements and secured a technology patent (GB2588580A).

We have achieved

- **Validation (Simulations/Lab)**
- **Prototype (TRL 4)**

We are seeking support in

- **Miniaturization**
- **App Development**
- **Demonstration/Field Testing**
- **Commercialization**

Applications of Interest

Our cold exposure sensor can help improve operational performance and reduce risk of cold-related injury in all cold-climate outdoor activities:

1. Industrial Operations
2. Exploration/Expedition
3. Winter Sports Activities
4. Military Exercises

Current Team Strengths

- Strength area(s):
  - Multiphysics Modelling
  - IR Thermography
- Research facilities:
  - Cold Room (-40°C)
  - FLIR T1030sc Camera
  - 3D Printers

Teaming Goals

To address ICE challenges,

- What remaining expertise(s) do you need?
  - Like minded colleagues
  - Interested partners/collaborators
- What research facilities and capabilities do you need?
  - Willing partners for demonstration and field testing
  - Business and Market Know-How