HTM° Solutions





Current methods for measuring body's core temperature are DISTASTEFUL

- Rectal thermometer
- Swallowable pill
- Wearable unit size of a mobile phone

All trying to solve a real PROBLEM

But failing... Too expensive, Not suitable for everyday use

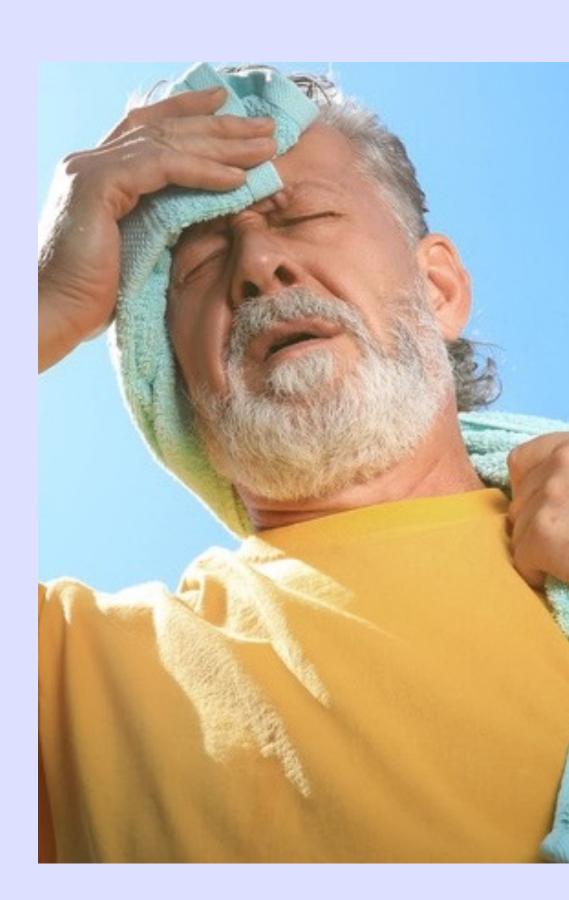
2.2% of total working hours worldwide is estimated to be lost by 2030 due to heat stress



It's not just about working hours It's about our health

After SURVIVING just one heat stroke person has:

- Damage to liver, heart, kidney and muscle tissue
- Possibility of central nervous system dysfunction
- Possibility of compromised immune system
- Increased change of premature death



Introducing Cee°

Research-based non-invasive body's core temperature application - From pulse to data

- Body temperature calculated by our Science-based algorithms
- Real time temperature data straight to your phone
- Notifications of increased heat stroke risk
- Accurate anytime, anywhere
- Mobile and desktop monitoring
- Remote monitoring



Utilizing most common sport trackers
No additional new hardware needed

Competition

| | BodyCAP | greenTEG | Dräger | нтм |
|----------------------------------------------|---------|----------|--------|----------|
| Sensors outside a human body only | | / | | / |
| Drinking/eating allowed during monitoring | | | | |
| Individual analysis (e.g., body composition) | | | | |
| Core temperature estimation | | | | |
| Other physiological parameters* included | | | | |
| Low purchase costs | | | | |
| Low operation costs | | | | |
| Enables new digital services* | | | | |

^{*} Sweating Rate, Blood Flow Rates, Oxygen Consumption, Physiological Strain Index (PSI), Thermal Sensation index (TSI)

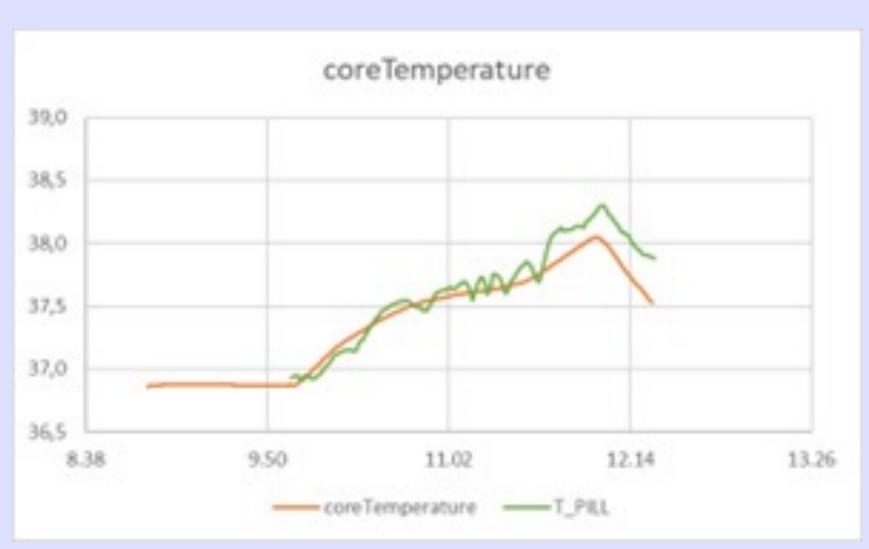
Research proven

- Real time, all the time
- With non-invasive methods reaching the standards of invasive measurements
- Based on individual body composition, not on the "average user"

The parties responsible for tests

- The institute of Occupational Health
- Emergency Services Academy Finland
- KIHU Finnish Institute of High-Performance Sport
- VTT Technical Research of Finland

HTM vs pill measurements



RMSD = 0,146 °C









Current status

LOIs (2024)

- Garmin Health partner status
- Co-operation with industry leading smartwatch manufacturers
- Movesense integration completed
- 4 LOIs (value €200k in 2024)
- 12+ month Runway
- Software ready for hardware implementation
- Private money €335k
 - Grants €65k

HTM Solutions x IDP – ingenieria (Spain)



HTM Solutions x R2M SOLUTION (Italy)



HTM Solutions x Waves Groups (Middle East)

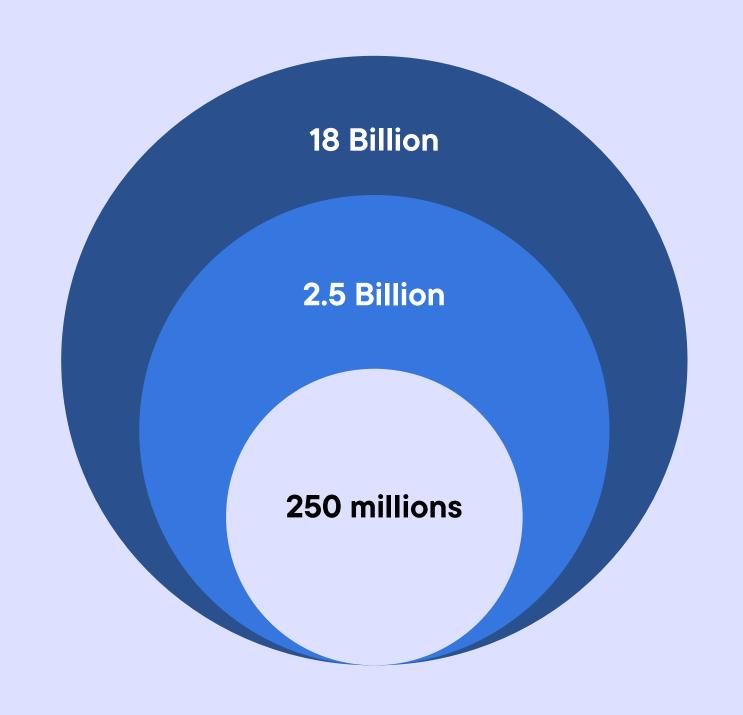


HTM Solutions x NOATECH (Australia)



Occupational health and safety market (2023)

Occupational health market (CAGR) of 6.5% from 2023 to 2030 Occupational safety market (CAGR) of 12.2% from 2022 to 2031



Total Available market (TAM):

\$18B

Serviceable Available Market (SAM):

** \$2.5E

Serviceable Obtainable Market (SOM)

\$250 millions

Team

Board:



Harri Lehti, CEO, Board Member

Harri Lehti, CEO/Founder of HTM Solutions, holds an M.Sc. in CS, with global expertise from IBM to Lenovo and a key role in Savox's public and industrial safety tech.



Pekka Tuomaala , CTO, Chairman

CTO, Founder, Principal Scientist in VTT, D.Sc. (Tech.), Thermodynamics, HTM modelling, service design for different user cases (project leader, HumanTool, Smart Clothing 2.0)



James T Samuel, Board Member, Investor

James is responsible for international business and holds industry expertise in public safety segment. His extensive knowledge and wide-ranging experience have positioned him as a valuable player in the global arena. He excels at fostering international relationships.

Business Development:



Juho Niemi

Business Developer and Start-up enthusiast with a proven track record of making ideas into reality. Juho is eager to contribute his expertise to research-based start-up, leveraging his extensive experience in the start-up ecosystem.

Senior Advisories:



Antti Kuljukka, Investor

Evli Oyj Board Member, previously worked as CEO of Fennia Group and as CEO of Henki-Fennia. Antti is the first investor in HTM, and he is involved in business development and applying for investors.



Sirkka Rissanen

Chief Researcher at FIOH, DOS D.Sc. Sirkka is a nationally and internationally leading occupational safety researcher in hot and cold work environments. HTM validation in different extreme work environments.





Matti Härkönen Partner, Corporate Venturing



Piia Maaranen Managing Partner, Corporate Venturing

Q2 2024 - Call to Action

Integration to smartwatch completed
1 pilot customer outside of Finland
Commercial readiness on CRI 2 level
1000 active users

Seeking partners for

€600k seed funding round €600k in loans and grants



Thank you!

We are happy to tell more.

Welcome to join us in developing and enhancing our innovative approach!

Cee° for Human Thermal Status Monitoring



Appendix 4 Sources

- https://www.coherentmarketinsights.com/industry-reports/occupational-health-market
- https://www.alliedmarketresearch.com/workplace-safety-market-A31780
- https://www.nbcnews.com/business/business-news/why-are-workers-u-s-still-dying-heat-exhaustion-n1270417
- https://www.theguardian.com/world/2021/jul/08/extreme-temperatures-kill-5-million-people-a-year-with-heat-related-deaths-rising-study-finds
- https://www.ilo.org/global/about-theilo/newsroom/news/WCMS_711917/lang--en/index.htm