

HEALTH · ENVIRONMENT · OPPORTUNITY

Advancing initiatives through *research and collaboration.*



WHO WE ARE

PhokenGHESo advances African-led initiatives connecting public health, environmental sustainability and economic opportunity.

WHAT WE DO

We bring together research expertise, institutional engagement and resources to advance practical solutions and strengthen local capability.

CURRENT FOCUS

Sustainable cooling that supports accessibility, climate resilience and opportunities for local skills and manufacturing.

DIRECTORS

- | | |
|---------------------------|-----------------------|
| 01 Dr. Pali Jobo Lehohla | 02 Lehlohonolo Nakedi |
| 03 Dr. Sathasivian Cooper | 04 Lungile Nkosi |

Cooling Communities. Empowering People. Building Climate Resilience.

www.phokengheso.com

SUSTAINABLE COOLING INITIATIVE

Advancing sustainable cooling through *African-led innovation*.

THE CHALLENGE

Cost, electricity constraints and servicing needs can put effective cooling out of reach.

THE APPROACH

With Bafokeng Enterprises, we are advancing a modular air-cooling core that uses water evaporation and heat transfer through separate wet and dry airflow paths.

Low Temperature Evaporation-Induced Heat Transfer for Air Cooling (LTEIHT-AC)



LTEIHT-AC equipment in a development setting.

RESEARCH & APPLICATION DEVELOPMENT

PhokenGHESo is working with UNDP Zimbabwe and a university consortium to advance research and practical applications of Bafokeng Enterprises' cooling core.

CURRENT FOCUS

Research, testing and application development: evaluating performance, refining the technology and exploring practical uses.

Targeted applications: Buildings · Agriculture · Industrial workplaces

Subject to application-specific development and validation.