

# *Humanitarian Technologies Board: Partnering for Impact*

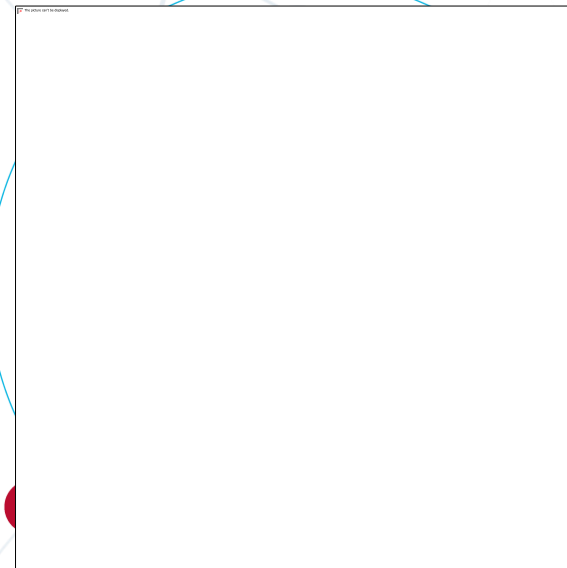
IEEE Region 8 Committee Meeting  
19 October 2024

IEEE  
**Humanitarian  
Technologies**



# Agenda

- ▶ An Overview of Humanitarian Technologies
- ▶ HTB & IEEE Region 8: 2024 Comprehensive Partnership Plan
- ▶ Future Plans - Ideation Sessions & Partnering for Impact
- ▶ Next steps



# What is Humanitarian Technology at IEEE?



We are IEEE's **Tech for Social Impact Hub**

IEEE Humanitarian Technologies is a consortium of current and new programs and initiatives - supported by a global network of volunteers and technical professionals - working together to apply technology to solve the world's most pressing problems.



# IEEE Humanitarian Technologies

- IEEE HT provides the resources, partnerships, and tools for developing and deploying innovative solutions to advance sustainable development goals globally - while achieving social and environmental impact locally.
- HT brings together the right partners within IEEE entities such as Regions, Technical Societies, Standards, and Educational Activities to leverage the engineering expertise for the good of humanity.
- Learn more at: [ieeep.org/humanitarian-tech](https://ieeep.org/humanitarian-tech)

IEEE  
**Humanitarian  
Technologies**

**EPICS** IN **IEEE**  
Engineering Projects In Community Service

 **EMPOWER**  
A BILLION LIVES

**IEEE SIGHT**  
Special Interest Group on  
Humanitarian Technology

**MOVE**  
DISASTER RELIEF & OUTREACH  
AN IEEE GLOBAL PROGRAM

**IEEE  
TECH4  
GOOD**

**IEEE  
smart  
village™**  
Power a Village, Empower Community.

 **IEEE  
REACH**  
Raising Engineering Awareness  
through the Conduit of History

 **IEEE**

# HTB & IEEE Region 8: 2024 Comprehensive Partnership Plan



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Technologies**

IEEE  
Region 8 

IEEE  
**TECH4  
GOOD**

 **IEEE**  
Advancing Technology  
for Humanity

# 2024 Comprehensive Partnership Approach

## PROJECTS

Community  
Support Program:  
Tech4Good &  
Region 8 Call for  
Project Proposals

## EVENTS

- Region 8 SYP Congress
- IHTC
- R8 Humanitarian Activities Congress
- And 17 more!

## STRATEGIC INITIATIVES

- Climate Change Challenge
- Tech4Good Challenge pilot

# 2024 Comprehensive Partnership Approach

- ▶ Projects - Community Support Program: Tech4Good & Region 8 Call for Project Proposals
  - Support Region 8 SIGHT Groups with creative **technological solutions** for local communities.
  - Projects can receive up to US\$5,000
  - Co-funded by Region 8 & HTB
  - 30 submissions; 16 proposals being considered for funding
- ▶ Events
  - 20 events in Region 8 received HTB funding
  - Joint sessions and coordination between HTB and R8 HTAC
- ▶ Strategic Initiatives
  - SIGHT Group Activity Fund & Accelerator Program - financial support for existing SIGHT Groups
  - Region 8 Climate Change Challenges
  - Tech4Good Challenge Pilot: Lebanon & Tunisia (*timeline to be finalized*)





# Community Support Program Call for Proposals - Initial Results

First Projects Approved:

- ▶ Construction & utilization of Solid waste Shredder technology for inclusive living & SUSBL energy - ***Uganda Section SIGHT Group***
- ▶ Onjiko EcoWater Project - ***Technical University of Kenya (SIGHT Group to be established)***
- ▶ Illuminating Rural Community with Solar-Powered Streetlights at Irielle village - ***Federal University of Technology Owerri SB SIGHT (Nigeria)***
- ▶ The Kigezi Lightning Safety Initiative - ***Kyambogo University SB SIGHT (Uganda)***
- ▶ Solar-Powered Egg Incubator and Cages for Empowering Rural Women in Poultry Farming - ***Enugu State University of Science & Tech SB SIGHT (Nigeria)***





# Partnering for Impact



# HT Pillars for Enabling Environment

**Humanitarian Expertise  
& Impact Infrastructure**



**By Humanitarian  
Technologies**

**Technical Capacity and  
Geographic Reach**



**By MGA OUs  
(Sections, Student  
Branches, Councils)**

**Partnerships  
for Impact**

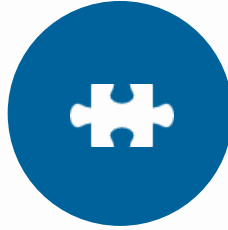


# Partnering for Impact for 2025



## Identifying Needs

Collaborate with IEEE OUs to understand their key focus areas, existing initiatives, and target outcomes for advancing humanitarian technologies for impact.



## Designing Comprehensive Approach

Work with key internal and external stakeholders to develop a strategic plan that leverages IEEE's expertise with HT resources to advance mission driven programs that achieve social impact goals.

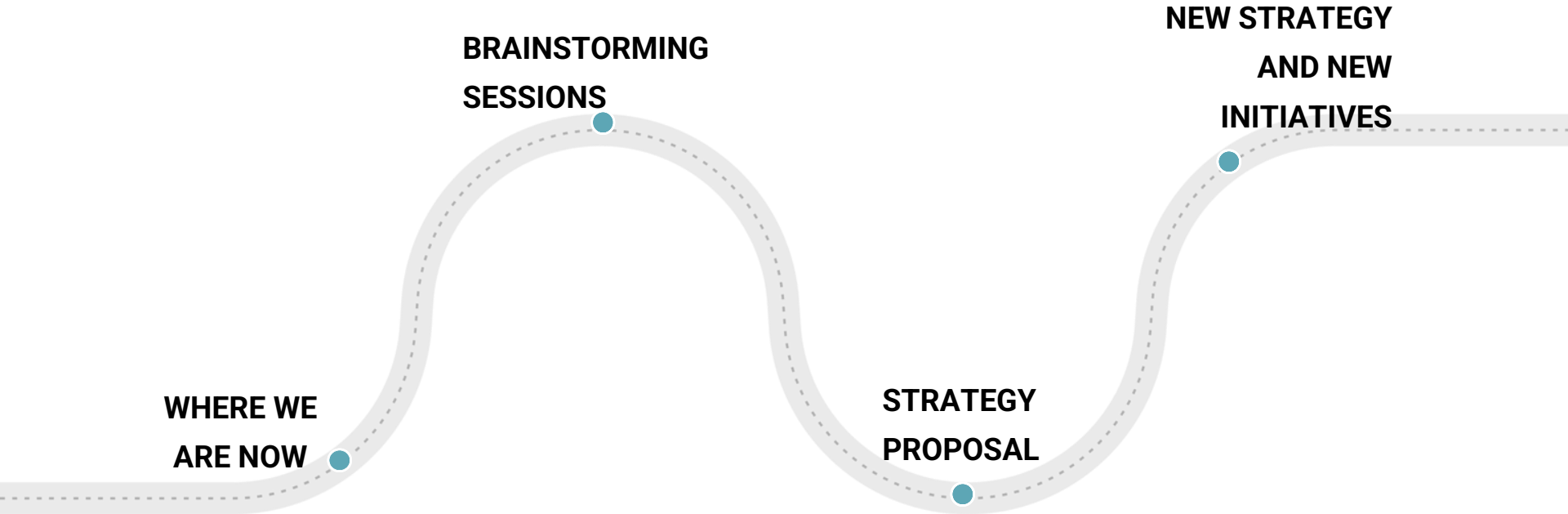


## Measuring & Showcasing Impact

Establish impact metrics, track progress, and build case studies to identify gaps and recommend a path forward for greater effectiveness while showcasing our impact on world recognized platforms.

**By following this steps IEEE Humanitarian Technologies can bridge technical expertise, geographic reach, and humanitarian knowledge to enable a powerful ecosystem of mission-driven programs that address global challenges and create sustainable impact.**

# Partnership Journey



## Expected Outcomes

- HTB is looking to partner further with Region 8 to define its longer-term Humanitarian Technology strategy
- This entails:
  - Improving current Humanitarian Technology Activities by aligning on strategic objectives relevant for R8
  - Ideating for new initiatives to co-create together
  - Creating impact infrastructure to track impact and ensure long-term sustainability of the initiatives
  - Ensure the creation of impact case studies to showcase impact to Region 8 members and IEEE at large
- Meeting with Region 8 leadership in November to discuss and decide on path forward

# Benefits of Partnering

## Amplify Thought Leadership

Collaborate on joint events, publications, and advocacy efforts to elevate the role of engineering and technology in addressing humanitarian and sustainable development goals internally and externally.

## Humanitarian Expertise

IEEE HT can provide in-house expertise in humanitarian technology to bridge the gap and inform the design, implementation, and optimization of initiatives for maximum effectiveness.

## Track Impact

Establish impact metrics, track progress, and build case studies to identify gaps and recommend a path forward for greater effectiveness.

## Achieve Scale

Leverage IEEE's global reach and technical expertise to scale successful humanitarian technology initiatives and drive sustainable change for the benefit of humanity.

## Re-invest in Mission-Driven Programs

Partner to design strategies that revisit existing programs and co-design and co-implement new programs, that aim to solve the pressing global challenges through the matching of IEEE technical and humanitarian expertise.

# Thank you!



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Technologies