

# Humanitarian Technology Challenge

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*IEEE R-10 Meet 2009*

*Explanation, Plans and Budgets*

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# IEEE Mission Statement

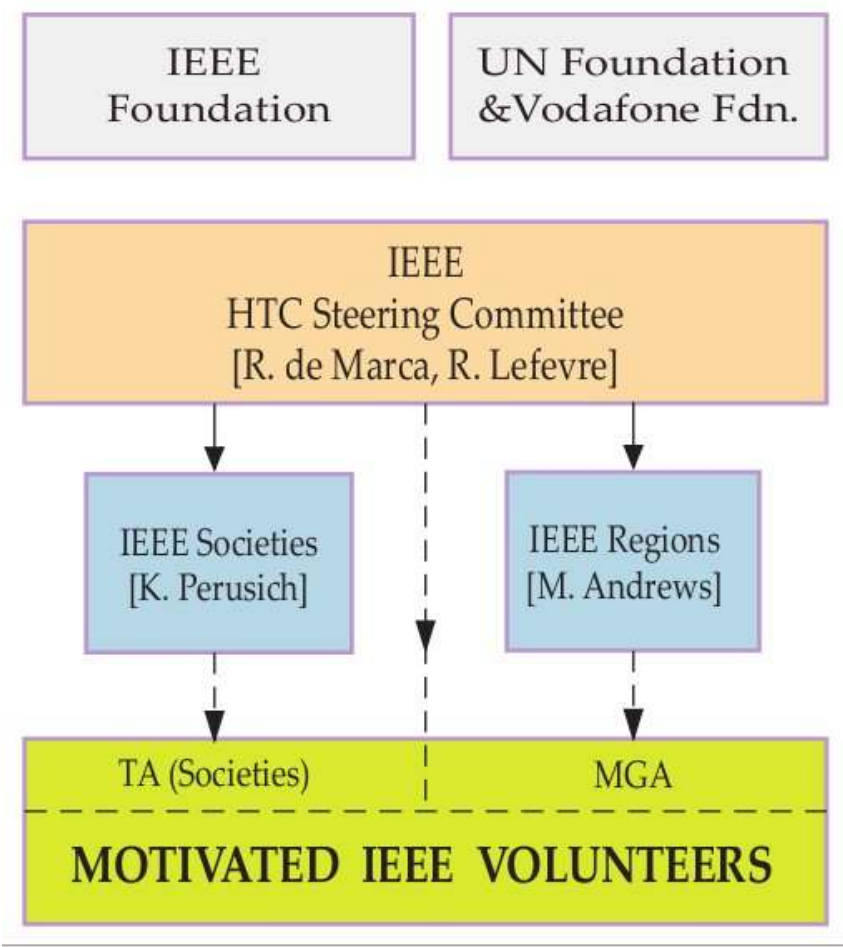
**IEEE's core purpose is**

**To foster  
Technological innovation and excellence  
for the  
Benefit of humanity**

## Expected Outcome

- Raise Awareness of IEEE as “Global Association of professionals and academics who solve technological problems that positively impact humanity”.
- Bring a more systematic approach for applying technology to solve world problems.
- Define methodologies to addressing challenge oriented, large scale efforts.
- Identify challenges and drive solutions that are implementable and sustainable.

# HTC Structure



## So Far

- \* For the past two years IEEE and UN Foundation has been working on HTC
- \* Selected 37 challenges worldwide
- \* Selected five challenges
- \* Plans to implement 3 immediately
- \* The Three Challenges Identified
  - ▣ Reliable Electricity
  - ▣ Data Connectivity of Rural Health Offices
  - ▣ Patient ID, tied to health records

# Time Line



# President's Sustainability Initiative

# President's Sustainability Initiative

- Sustainability has become a global issue
  - Climate Change
  - Sustainable Technologies
- Looking at the role of technologies:
  - Energy
  - Information
  - Communication
- IEEE has definitely a role to play in developing and deploying Sustainable Technologies

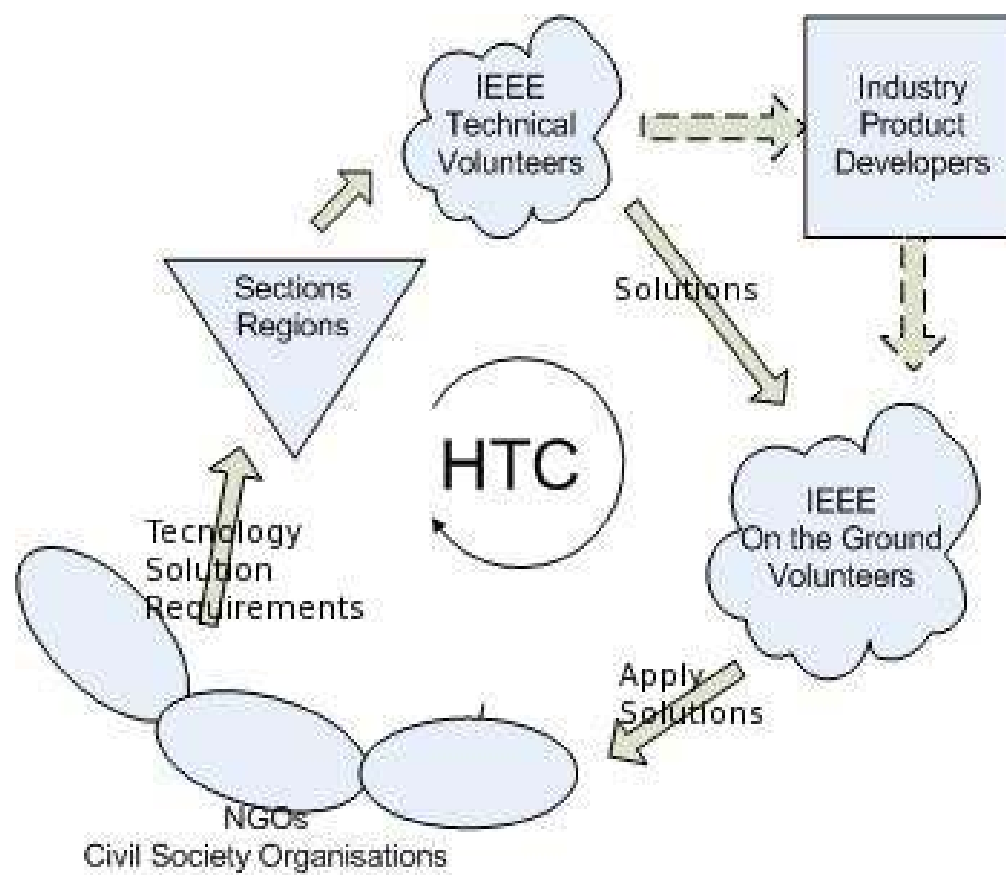
# President's Sustainability Initiative

- Calling on our engineering roots, we can make things happen. Engineers want to make things work, and work better.
  - Making Engineers aware of problems and solutions.
  - Pilot projects and trial industrial practices.
  - Policy development informed by accurate technical information.

# R – 10 Perspective

# The R-10 Perspective

- Opportunity
  - R-10 consists in equal measure of Developing and Developed Countries
  - R-10 members already engaged in Humanitarian Work in a large way
- Challenge
  - To educate and inform the members
  - Develop More Agile Processes
  - Set up the mechanism and get going



## **2009 / 2010 Objective**

**To Initiate the HTC programme and  
bring in awareness of IEEE's plans and  
directions**

## Outcomes (Expected Results)

### ■ 2009

- **Sections are aware of HTC**
- Documentation of existing HTC work in R10
- R10 seen as an important contributor to IEEE HQ initiatives of HTC and PSI
- **A methodology for HTC exists**

### ■ 2010

- IEEE is recognized in the region as a provider of technology support for humanitarian needs
- A few pilot Technology Assistance to Humanitarian Projects undertaken by R-10

# Formation of the Core Group

- 1. Mini S Thomas [India]
- 2. Jimmy Chan [Hong Kong]
- 3. Helene Hoi-Ying Fung [Australia]
- 4. Joel S Marciano Jr [Philippines]
- 5. Deepak Mathur [India]
- 6. Supavadee Aramvith [Thailand]
- 7. Emmanuel Gonzalez [Philippines]
- 8. Ramalatha Marimuthu [India]
- 9. Amarnath Raja [India]
- **M O R E . . . . .**

# Activities

- 2009
  - Sections are aware of HTC
    - Mailers and Articles in Newsletter
  - Formation of Committee (Champions)
    - Select people from both areas with experience
  - Documentation of existing work
    - Collate the existing work being done in all the sections
  - R-10 is seen as an important contributor
  - Engage with IEEE HQ
  - More people volunteer for HQ committees

## Activities (Contd)

- 2010
  - IEEE is recognized as a technology support for Humanitarian Work
    - Call a meeting of important NGO and Govt organisations in the region
  
  - A few pilot projects
    - Invite potential projects from section
    - Arrange for funding (Approach UN & IEEE Foundation)
    - Do the job and provide proof of IEEE's capabilities

## Inputs and help from all

- Volunteers for the Core Group
  - Especially from Far East (Japan and Korea)
- Active Co-operation from Sections
- Active co-operation from Affinity Groups and Students:
  - G O L D
  - W I E
  - Students

>> Money

**THANK-YOU**

**Humanitarian Activities Coordinator**

**Amarnath Raja**