Successful Recovery

- **Immediate:**
  - Houses rebuilt are resistant to earthquakes and other disasters and satisfactory to the people

- **Systematic:**
  - Change the construction practice permanently so that houses built after the technical and financial assistance cease (after recovery phase) are also earthquake resistant

Ixtaltepec, Oaxaca, Mexico, 2017
Rebuild:
• Homeowner driven
• Locally accepted methods

Nepal 2017
Retrofitting in Haiti post-earthquake
Retrofitting in Nepal post-earthquake

Before

After
Homeowner’s Journey to a Safe House

Remote Support and Awareness Mobile App: Connects Homeowner with our Technical Support Centers

Field Staff conduct initial survey with Tablet-based Monitoring and surveying app

If house is retrofittable, Homeowner has access to alternatives

Drawing Design Library & Management Database for New Construction

If house OK to be retrofit

Completed Retrofitting Drawings sent back for Homeowner

House Data Sent to Main Office via Cloud

Automated Production of Drawings and B.O.Q. with Pre-Engineered Type Design

Supplemental Technologies

Drone Scanning

Virtual Reality

OR

Safely Constructed New House

Safely Retrofit House

Damaged House
Guatemala Housing Preventive Retrofit

Before

After
People can get what they need AND what they want!
GRACIAS

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