Engineers Without Borders

Project Management Perspective

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What Is EWB?

EWB is a non-profit international organization that assists in developing communities worldwide with their self-identified engineering challenges.
EWB-USA

Engineers Without Borders USA builds a better world through engineering projects that empower communities to meet their basic human needs. Our highly skilled volunteers work with communities to find appropriate solutions for their infrastructure needs.

Our Core Themes

• Relationship
• Empowerment
• Student Leadership
Project Outline

1. Identify need
2. First Assessment
3. Develop Team
4. Alternative Analysis
5. Pre-Implementation Trip
6. Implementation Trip
7. Post-Implementation Endeavors

Identify Need

- Community-Identified
- EWB-Accepted
- Feasible Project Scale
First Assessment

- Usually same time as Identify Need
- Inspect project site
- Interact with community members
- Confirm EWB involvement

Develop Team

- EWB Team Applications
- No Major Discrimination
- Traditional Project Aspects
  - Team Manager
  - Technical
    - Lead
    - Team
  - Cultural
  - Economical
  - Sustainable
Alternative Analysis

• To determine the best possible engineering solution for the community we are partnered with.

Pre-Implementation

• Supply Shopping
• Detailed Site Inspection
• Reaffirm Relationships
• Logistic Planning
• Spring
Implementation Trip

- Construction!
- Fixing Unforeseen Problems in Design
- Community Involvement & Education
- Project Partners Come Together
- Summer

Post-Implementation Endeavors

- Continuing Communication
- Revisiting Old Projects
- Providing Additional Aid when Needed
- Documentation Archive
Questions?

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