

Empowering Communities Through Water Supply Projects

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Our Vision

Everyone has access to the engineering knowledge and resources required to lead a life of opportunity, free from poverty.

UN Sustainable Development Goals (SDGs)

Between 1990 and 2015, the proportion of the global population using an improved drinking water source increased from 76% to 91%

G CLEAN WATER AND SANITATION



Rural Water Supply (RWS)

Common causes of failure:

- Poor design or construction
- Lack of training in operation and maintenance (O&M)
- Lack of funds for O&M
- Lack of organisational capacity to carry out O&M



Rural Water Supply

Financial support through loans and microfinance

Access to repair parts and services

PREDICTORS OF LONG TERM SUCCESS

Access to advice on technical, managerial and financial matters

Transparent, regulatory management framework

Building capacity through training in key skills

Approaches to Development

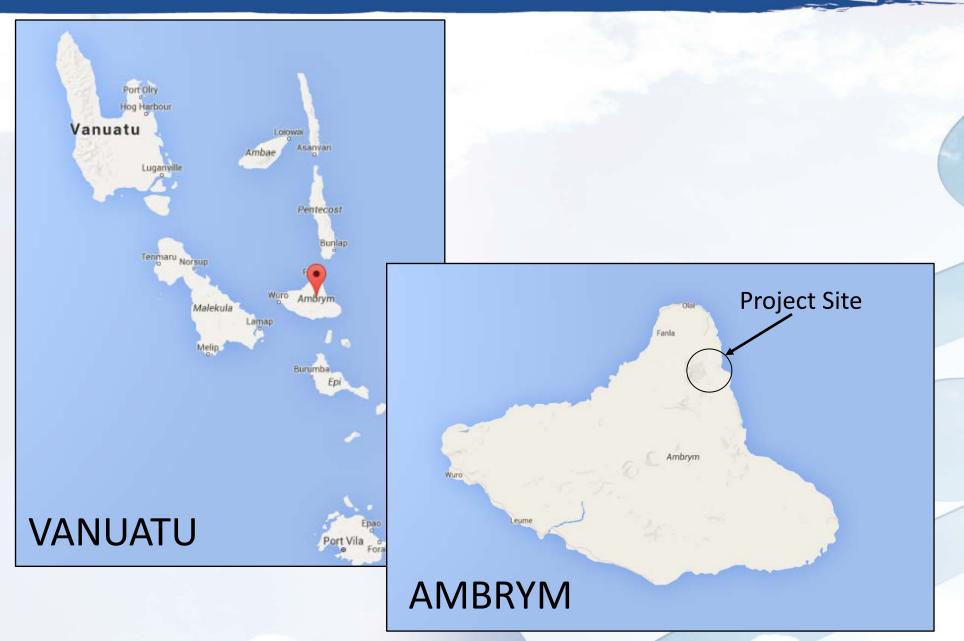
Needs-based

"What **problems** do you have that we can solve?"

Strengths-based

"What **assets** do you have that we can strengthen?"

Wawan Water Supply



Wawan Community Assets

Community

- Tools
- Construction skills
- Willingness to contribute time
- Local resources
- Fundraising experience

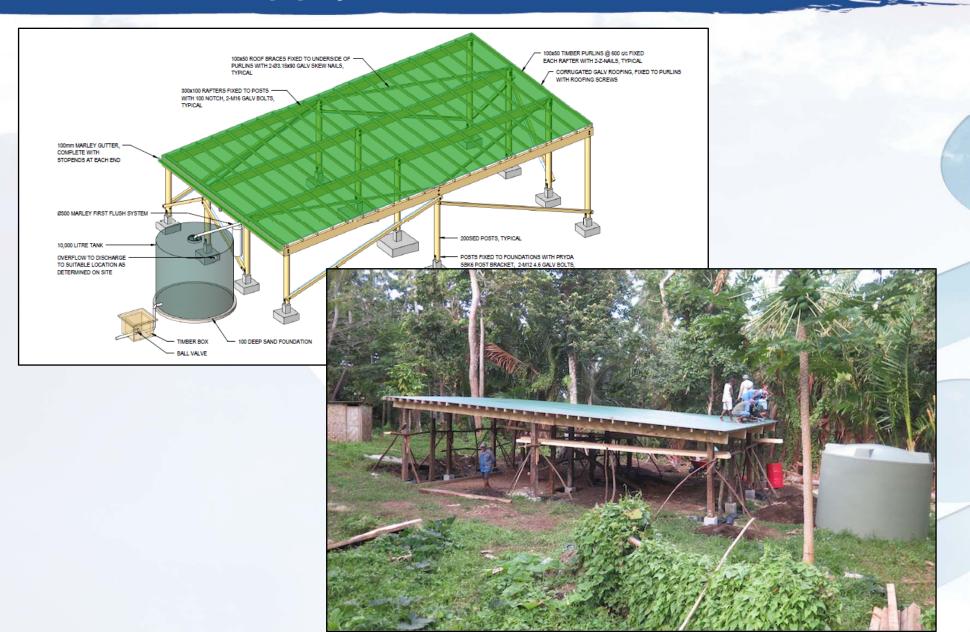
Wawan Fonhal Development Council

- Experience in water projects
- Financial skills
- Regular meetings
- Funding relationship with Rotary

Village chiefs

- Respect
- Enforcement authority
- Organisational abilities

Wawan Water Supply



Barriers to Success

"I informed the community the water fee would likely be 400V/h/m. I asked all households to sign a statement saying they acknowledge and accepted the proposed water fee...

...It was not until a few weeks later I was informed by my host mother that she told the community to agree to anything I said because she thought I was depressed and did not want me to worry too much." (Cleary 2013)

Barriers to Success

- Communication
- Organisational capacity
 - Financial management
 - O&M management
- Long term engagement



Successes

- Operational water supply
- Improved resilience
- Access to technical support
- On-site training
- Recycling of skills





Conclusion

Can we call the Wawan Project a success?







