

smart. **paani**

Conserve Every Drop !

an initiative of ~



ONE PLANET
SOLUTION

Water Management Solution

~ a private company perspective from
Nepal

Centre for Science and Environment
New Delhi, India
December 30, 2013

Our Philosophy

- Why One Planet Solution?
- Genesis
- Walk The Talk – SmartPaani
- WE - Team
- Encourage young people
- Ideas, Innovation, Initiative
- Open for collaboration
- Happy to be CSE alumni



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Nepal - Current Situation

- Historically - amazing
- Acknowledge the good work done
- 40 years – enough time to bring change
- Yet
- INGO – Project Mentality : Free – never works
- Blind spot – Government
- Wrong perception – Does not work / High cost
- Result ?

Nepal - Current Situation



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Nepal - Current Situation



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Why SmartPaani ?

- Gap identification – Market Segment
- Service - an important differentiator
- Top down approach
- Challenging – important for Nepal
- Nimble
- Sustainable growth
- Government to create conducive environment
- Development agencies to facilitate

What have we done ?



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CASE STUDY – HOUSEHOLD

- Binod Bhattarai – Senior Journalist and Consultant
- Already Knowledgeable
- Did not know where to get the service from
- Rain Water Harvesting
- Bio Sand Filter
- Happy Man



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CASE STUDY – INSTITUTIONS

- Jagadamba Press, Hattiban, Lalitpur
- Already Knowledgeable
- Didn't know whom to contact
- Rain Water Harvesting
- Bio Sand Filter
- Water quality good for printing purpose



CASE STUDY – INSTITUTION

- The Saraswoti School, Thecho, Lalitpur
- No Knowledge
- Contacted by our team
- Rain Water Harvesting
- Bio Sand Filter
- Ground Water Recharge
- 26,00,000 liters/year
- Satisfied



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What we have done

- Over 180 systems in 2 years
- Individual household and institution
- Recharge achieved – 14,500 KL at schools alone
- Total – 25,000 KL
- Technical Advisor and implementation - GiZ
- Done work for ENPHO, WaterAid, UN Habitat
- Initiated waste water treatments

SmartUrja / SmartChulo

- W2E
- Claim to Fame – AEPC / World Bank – Waste to Energy Bazaar 2013 – 1st Prize
- Solar
- Mo: Mo: Stove
- Optimiser

REMO – Integrating Technology

- SOFTWARE to track installations
- Collect information, photo, GPS data, bar / QR code
- **Research work / Monitoring**
- Used on affordable Smartphone / Tablet
- Easy to use
- **Data aggregation** - central server / cloud – **LIVE**
- Data on maps at exact GPS coordinates
- Data aggregation for regions - on choropleth maps
- Display - simple charts / Reports in Excel format

Small Deeds Done Are Better Than Great Deeds Planned - Peter Marshall

*Happy
New Year 2014*



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