Emerging Technologies: RTI WiC

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Gates Foundation Reinvent the Toilet Challenge

Create a waste treatment and toilet system that is ...

- 1. "Off-grid". Does not require an external source of electricity, water or sewer
- 2. A waste treatment system treats all pathogens on-site
- 3. An affordable system operating on no more than 5 cents per person / per day
- 4. An aspirational waste treatment & toilet system with appeal for developed and developing countries applications



Building through Partnerships



























RTI RTT in India (Phase 2: 2014-16)



Pre-alpha: Actionable user data to inform technology development and understand adoption challenges







Alpha: Controlled performance field testing to understand system operations in realistic conditions, user data to inform design to address adoption questions



Beta: Expanded performance testing and unmonitored use and system operations; actionable user data to inform technology, adoption, platforms for product development



Reinvent the Toilet: Test & Demonstration



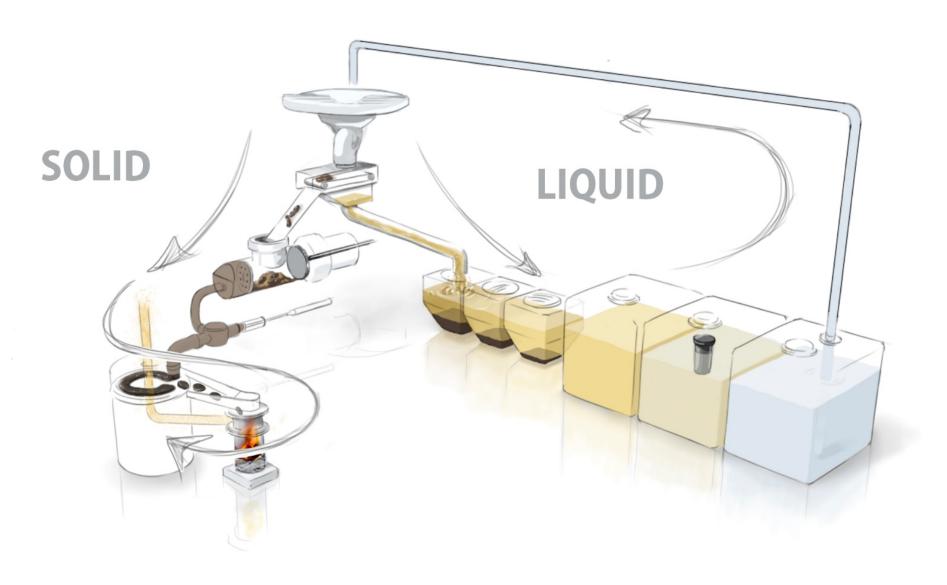












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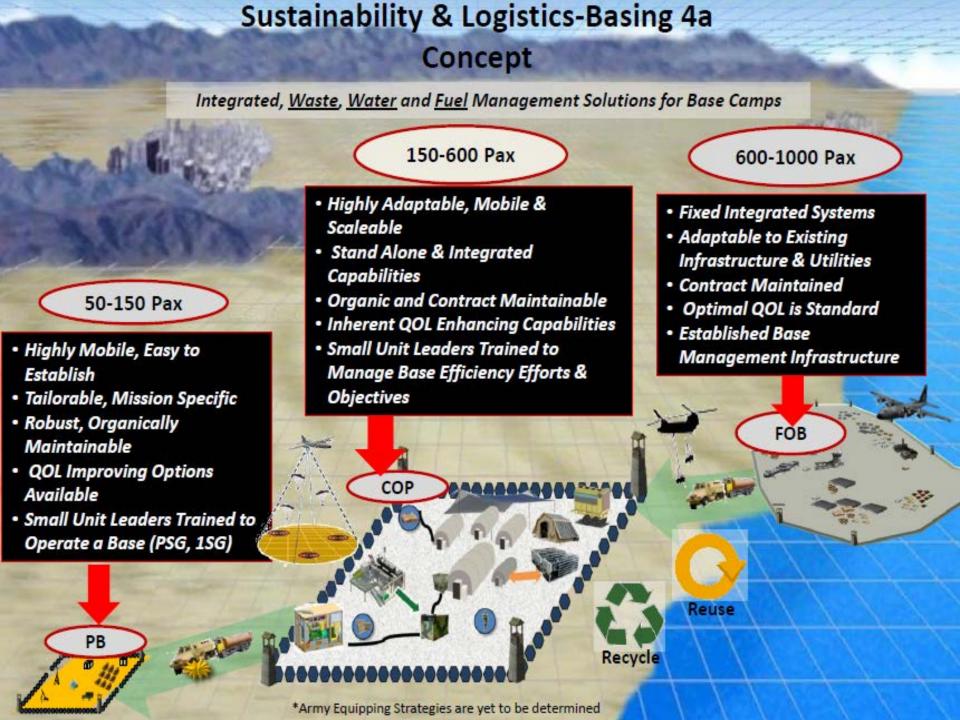
INTERNATIONAL



RTI International's Integrated Waste Treatment System







Field Testing & Technology Demonstration

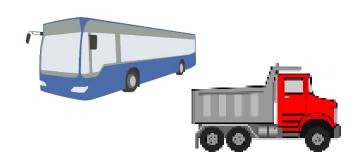
- Exploring potential next market segments for 2017 demo
 - School
 - Community
 - Trucking or bus transport hub
 - Factory site
 - Construction site



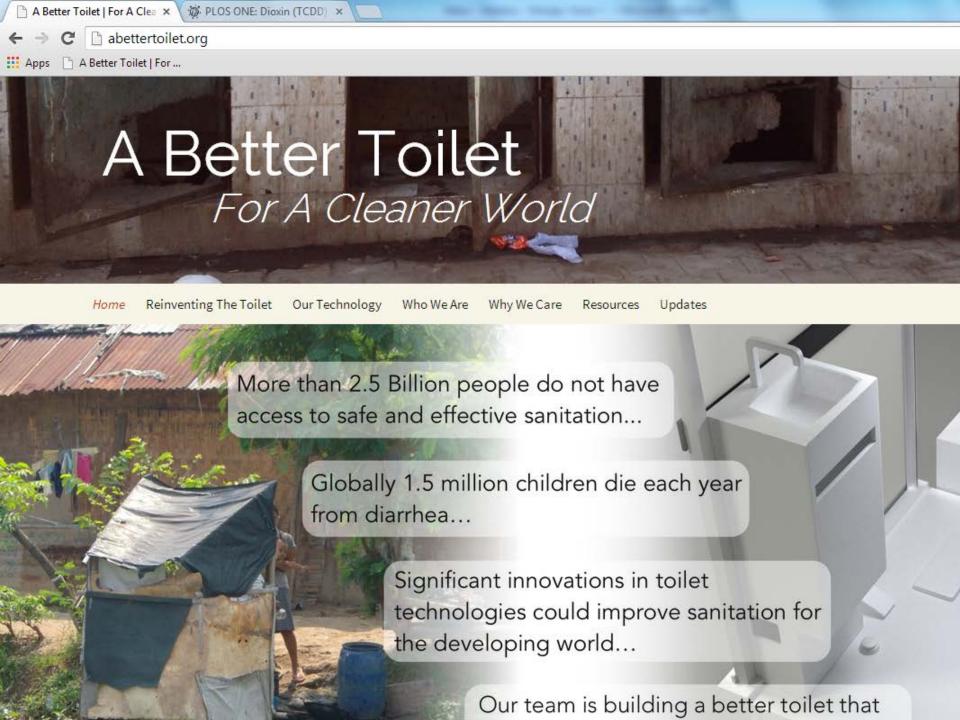












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