



## CASE STUDY

Global Good Fund/Bill  
& Melinda Gates  
Foundation

### Fecal Sludge Dewatering



**Explore:** The BMGF has developed a holistic approach to addressing the global sanitation problem where half the developing world, 2.6 billion people, lack even a simple improved latrine. We explored a critical gap in the system, dewatering the sludge prior to processing, thus reducing the volume to be transported, increasing the number of pits that can be emptied between trips.

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**Invent:** We invented an entirely new approach to dewatering that allows for continuous, low energy, robust dewatering without the need for flocculation or any increase in the footprint of the system. The system is simple to use and requires minimal maintenance.

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**Build:** We will be building a bench scale system to demonstrate the proof of concept later this year. This will validate the performance and energy requirements, as well as the durability of the system.