

S.H.E.

Safe Hygiene for Everyone

Menstrual Hygiene Management (MHM) is a neglected sanitation topic in emerging markets, and menstrual waste disposal is particularly absent in many shared and public settings. Waste streams are growing with increased urbanization and access to disposable products. Safe and discreet disposal options, such as the S.H.E., can empower women and girls, support better health and a cleaner environment.

Key Features

S.H.E. is a fully automated, sterile, sanitary pad disposal unit engineered to provide dignity and privacy, waste reduction and safe hygiene.

- Thermally treats pads, emitting virtually no smoke and producing minimal ash.
- Batch processes up to 25 pads at a time in a cycle time under 15 minutes.
- Automatically detects when optimal number of pads is reached for efficient disposal.
- Safety features include insulated surface, user standby during operation and automated shutdown.
- Current co-fire is LPG with plans for testing wood pellets and dried feces as potential fuel sources.
- Compact design allows for wall or floor mounting.
- Designed for use in shared and public settings, including: airports, bus and train stations, cinemas, markets, malls, hotels, factories, restaurants, public toilets, apartments, dormitories, schools and communities.
- Remote monitoring and service notifications available.

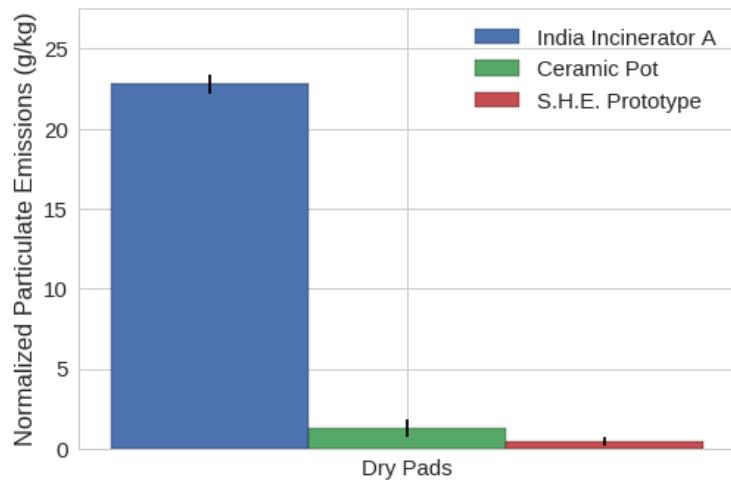


In India, an estimated 121 million women dispose of 113,000 tons of menstrual hygiene waste annually.
WaterAid/India

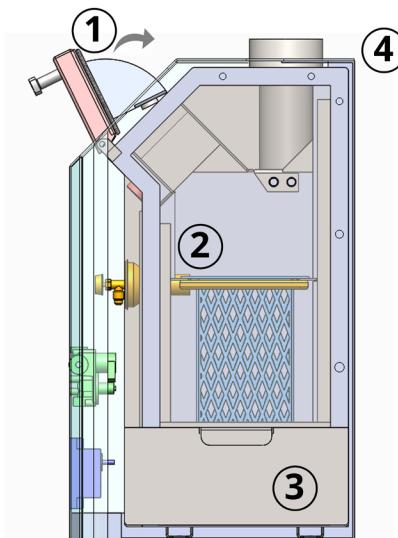


Status of Development

Test results show up to 98% reduction in particulate matter (PM2.5) compared to competitors. Market development and product evaluation has inspired the India Bureau of Standards (BIS) to initiate consultation on creating health, safety, and performance standards for decentralized MHM appliances. The S.H.E. will begin field-testing in India in Q3 2019.



In primary testing, the S.H.E. thermal treatment unit prototype outperforms the leading competitors, emitting virtually no harmful or toxic substances.



Making an Impact

Offering affordable menstrual hygiene disposal and treatment in shared public settings:

- Provides dignity, safety and privacy for physical and emotional well-being.
- Facilitates mobility and confidence for participation in work and school.
- Ensures toilets, sewers and drainage remain operational.
- Delivers environmental improvement when waste is properly disposed of and thermal treatment is effectively controlled.
- Encourages environmental and safety standards for decentralized MHM appliances in public spaces.



For more information

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