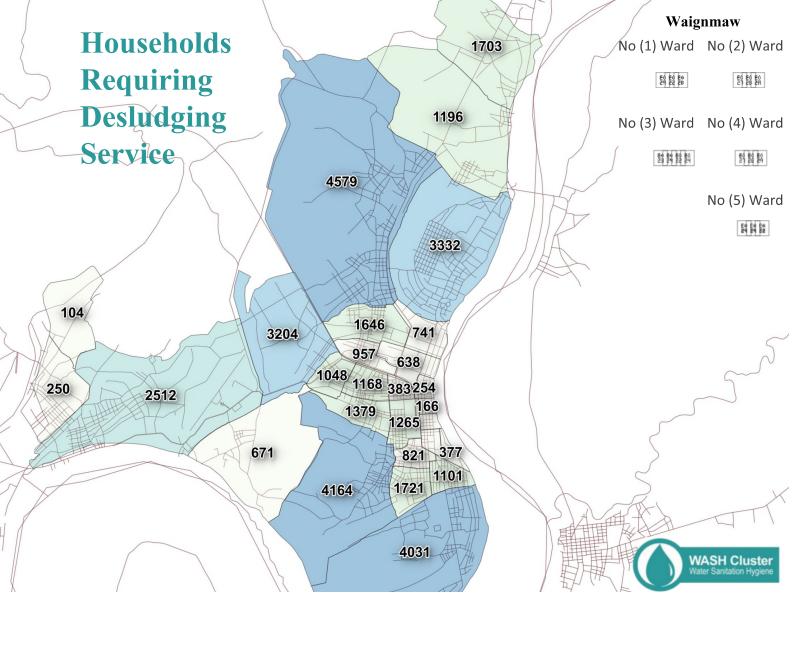
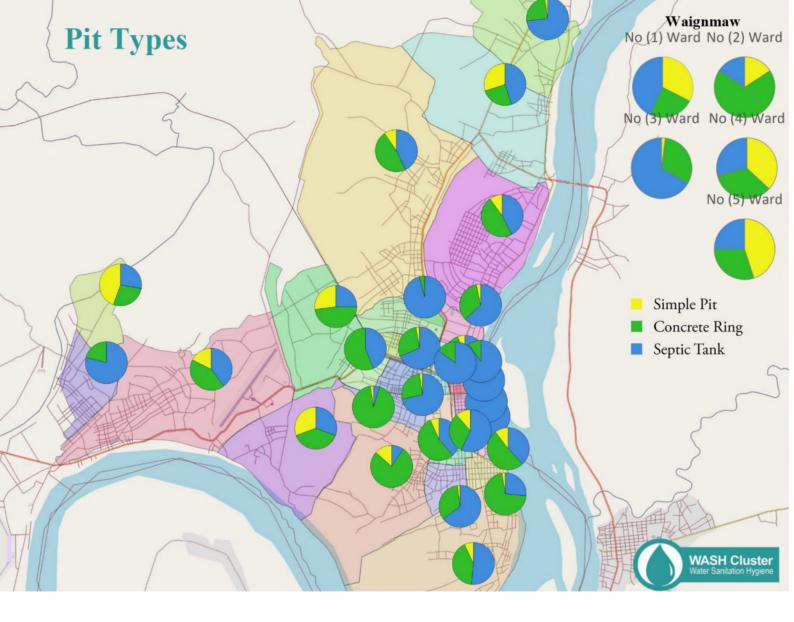


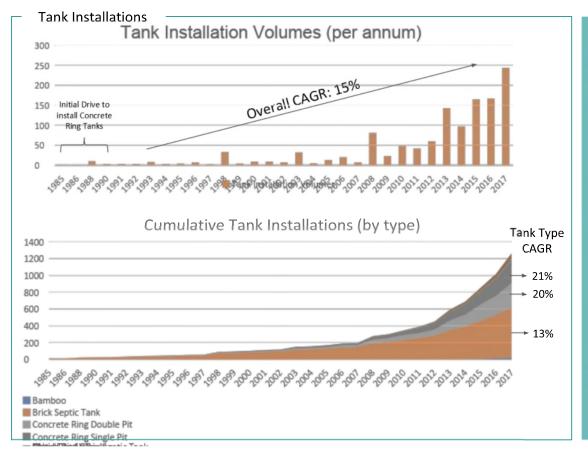
Improving Efficiency & Affordability of FSM Services MYITKYINA, Myanmar







The tank market is experiencing accelerating growth driven by demand for concrete ring tanks



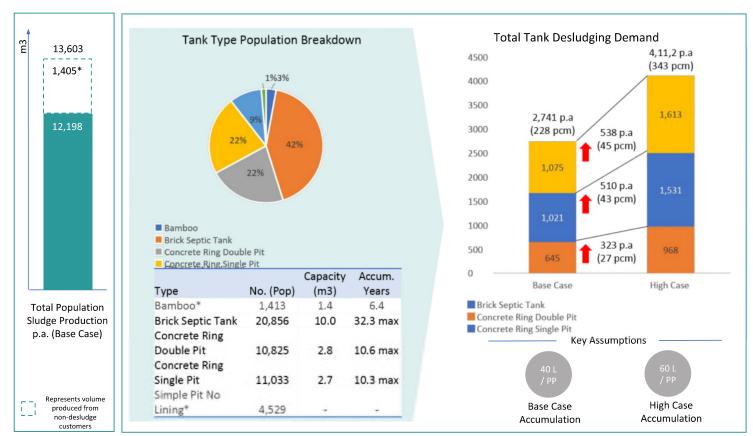
for desludging is increasing rapidly, mostly driven by new concrete rings

The type of demand is changing – more frequent service for smaller concrete ring tanks

Population has grown significantly from 52k in 1983 to 300k in 2014 (+4.8% per year)

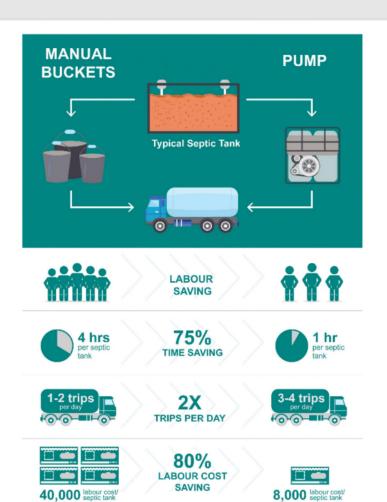


Tank Accumulation Profile



^{*} Bamboo Pits and Simple Pit No Lining Tank types are not desludging customers





Current Prices

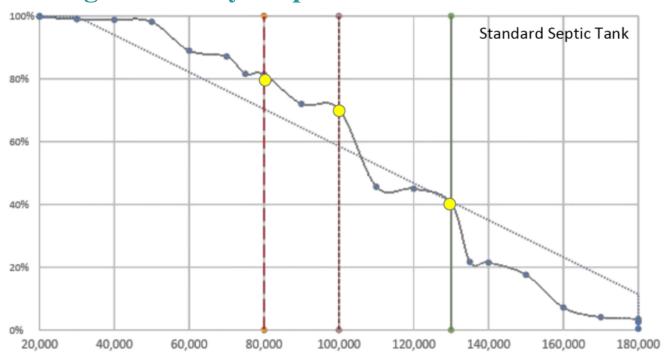
75,000 MMK

130,000 MMK

230,000 MMK



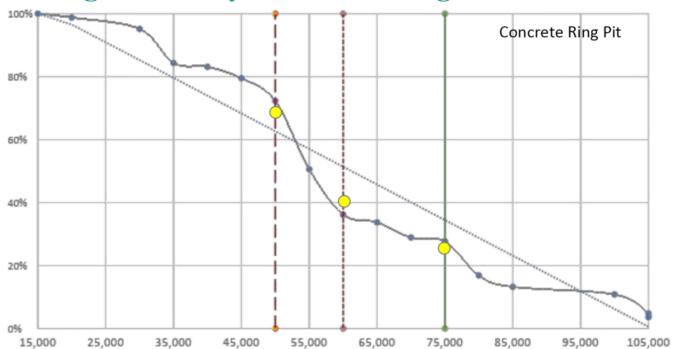
Willingness to Pay: Septic Tanks



at MMK: * households willing to pay (full price) at MMK: * households willing to pay (23% discount) at MMK: * households willing to pay (38% discount)



Willingness to Pay: Concrete Ring Pits

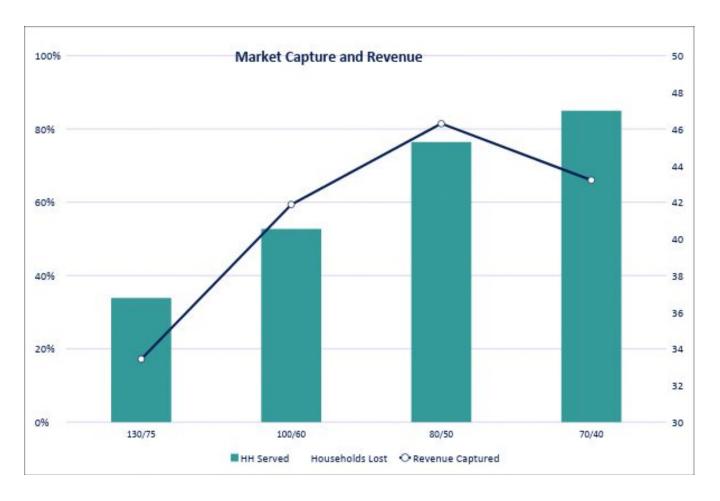


at MMMK: ≈ MMM households willing to pay (full price)

at ■■■■ MMK: ≈ ■■■ households willing to pay (20% discount)

at MMK: ≈ households willing to pay (33% discount)







SOP's

The WASH cluster can support the TDA to produce the first municipal health and safety and standard operating procedures for desludging in Myanmar. The cluster can hire a specialist consultant to work with the TDA to draft and prepare the guidelines based on global best practices and TDA recommendations.



Health and Safety

WASH cluster can provide technical consultant to support TDA to develop initial preliminary designs for a STS based on the market findings. The consultant could develop report to support funding proposals



Exposure visit

Oxfam is arranging an exposure visit for TDA staff to visit a municipal desludging and treatment service in another ASEAN country. They will be able to see systems in action and talk to the local municipal staff.



Technical Working Group

The WASH cluster will continue to organize the desludging technical working group, which is attended by TDA, FDA, THD, Unicef, LNGO and INGO's. The aim of the working group is to share lessons learnt and best practices between partners.



Treatment Site

The WASH cluster can hire a technical consultant to support the TDA to develop initial preliminary designs and costings for a sewage treatment site based on the capacity requirement identified through this survey. The consultant could develop a technical report to support TDA funding proposals.



Pricing Study

EY is available to provide business consultancy services to the TDA. This could include investigating which price points and operating models would be best for increasing revenue and profit while also being more inclusive. The WASH cluster can hire EY to support and work directly with the TDA if requested. They can create a detailed operational financial model which would provide strong support for any institutional funding requests.



Funding Support

When treatment plant designs are developed and strong operating procedures and health and safety systems in place, the TDA will be in a strong position to look for institutional grant or credit financing. The cluster can arrange meetings with institutional donors and support advocacy for funding for a treatment plant or upgraded equipment.



Equipment Support

The cluster can work with the TDA to create a list of technical equipment, or repairs, that would improve desludging services. This could include new pumps or truck repairs for example. Oxfam has tested several different desludging pumps in Myanmar and can share experiences. The cluster can then support the TDA by helping to identify partners who may be able to provide funding for such items.