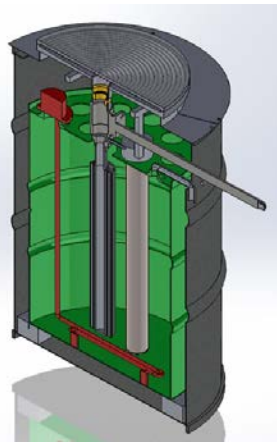
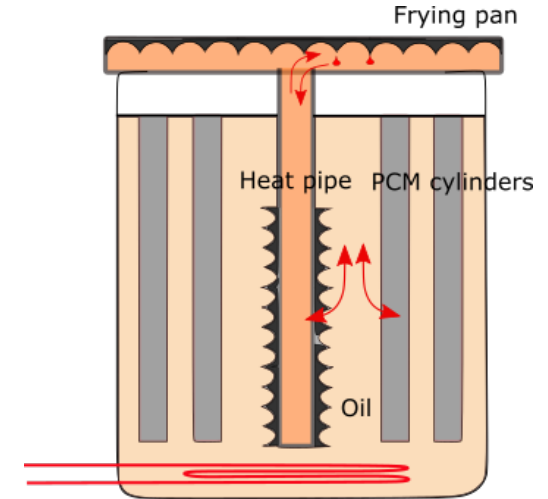


Frying on a latent heat storage

- Frying is mainly motivated in the Injera baking in Ethiopia
- “Solar Salt” used as Phase Change Material (PCM). Melting point suitable for frying (220 deg. C)
- Can be up-scaled with larger storage, several heating elements (PV/Wind), several frying pans
- Oil for heat transfer to PCM cylinders
- Evaporator in oil and condenser in plate gives efficient heat transfer



(Abraham Parra)



Barrel in barrel with insulation between. PCM cylinders



60 cm diameter frying pan



Heat pipe frying pan with evaporator

Concept

