

workshop requirements

- * to keep a system perspective
- * to ensure co-design

workshop outline

- * open workshop 5 mins
- * catch up those who missed workshop 2 on where we are now with a recap - 15 mins including showing Video 2
 - * discuss the rainwater harvesting, recap on kloudkeeper's installation
- * outline workshop plan - 5 mins
- * general intro to rainwater harvesting - 5 min
- * run through rainwater scenarios with the tank impacts on water infrastructure (using tank calculator scenarios 1-3) - 10 mins
- * walkaround, pointing out different aspects of water infrastructure - 20 mins putting dots on map for downpipe positions and outside taps - 2 groups mapping half the estate each (pair later to create a complete map)
- * visit to and intro to kloudkeeper smart RWHS - 15 mins
- * return to workshop room 5 mins -- tot 1 hr 10

- * give out calculator enabled ipads
- * introduction to the full calculator system (scenario 4) - 5 minutes
- * raise questions about extending rainwater harvesting infrastructure for the entire Estate - 5 mins noting that these are primary design decisions but there are other factors eg: materials, suppliers, maintenance, ease of use
 - * design decisions around:
 - * tank size
 - * tank location
 - * number of rooftops
 - * demand patterns
 - * pump type
 - * position of tank in relation to distribution points (and vice versa)
 - * water consumption per sq metre
 - * scenario variables
 - * rainfall patterns (dry year, wet year)
- * split into pairs to use rainwater module of calculator to create solution - 20 mins
- * fill in a form with pre-prepared variables (see above) including estate map
- * BREAK 10 mins at 1 hr 40

- * share final solutions with the group - 30 mins Begin with the other design factors such as maintenance that are not included then open to share solutions.
- * NB we don't need consensus at this stage - this is something they can decide to move forward on without us if they want / could provide possibilities for us to tie into later in phase 2
- wrapping up - link it back to the implied values taken from workshop 1 and then see how the residents can take things forward from there. 30 mins including exploring the scenario of water sharing / working with neighbours to use the tools to explore implementations in

other estates. Distribute questionnaire in this part of the session. (including approaching co-design)

Total is 2hr45