

Experiences from Afghanistan, Cambodia & S. Africa

Common features of infrastructures:

Child friendly / easy O&M / gender / free flow of light & air /high quality – long-lasting infrastructure / health & environment

Technical options include:

- Toilets & urinals /hand washing / water supply incl. rainwater collection/ bins / water purification/ on-site ww treatment
- Infrastructure adapted to framework conditions e.g. dry, low flush, flush

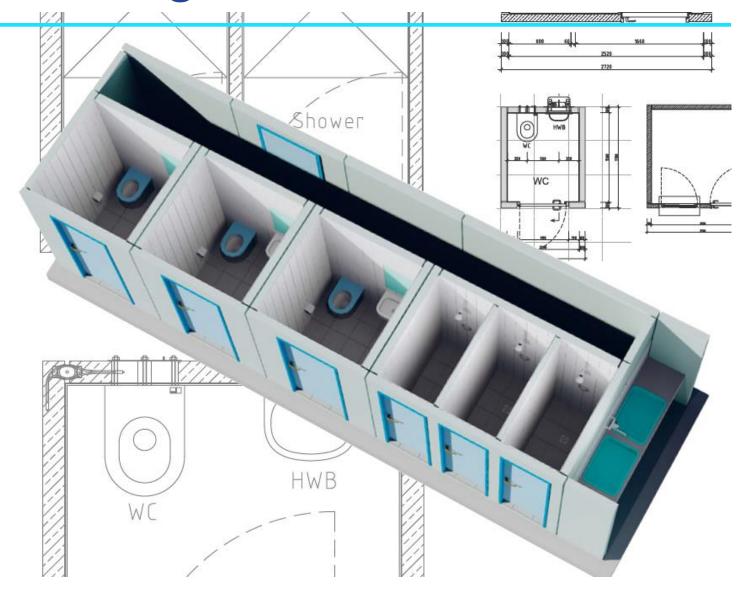
Key to sustainable O&M

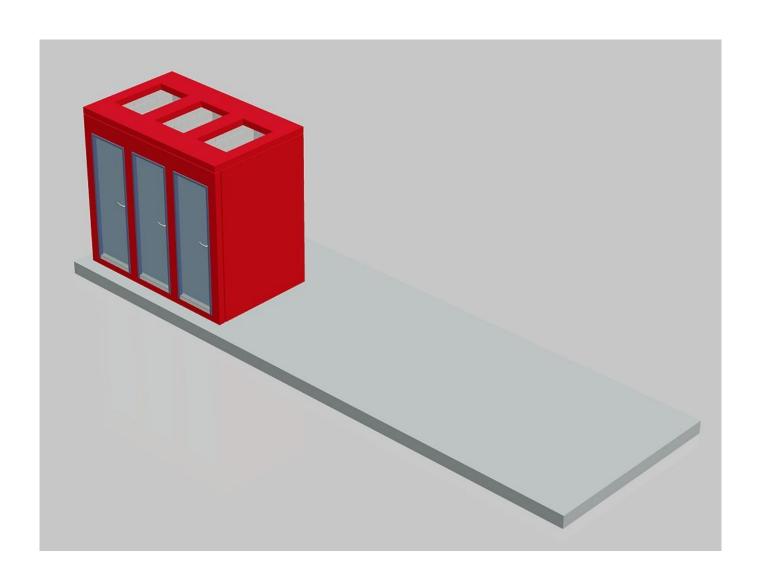
- Functioning institutional environment
- Strong committed stakeholders in planning, implementation and O&M
- High quality infrastructure construction

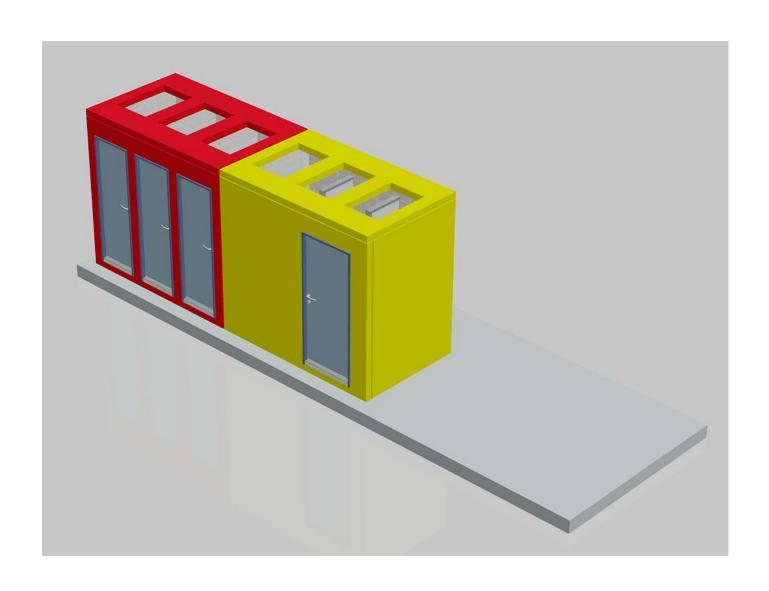
WinS – vandalism proof designs from South Africa

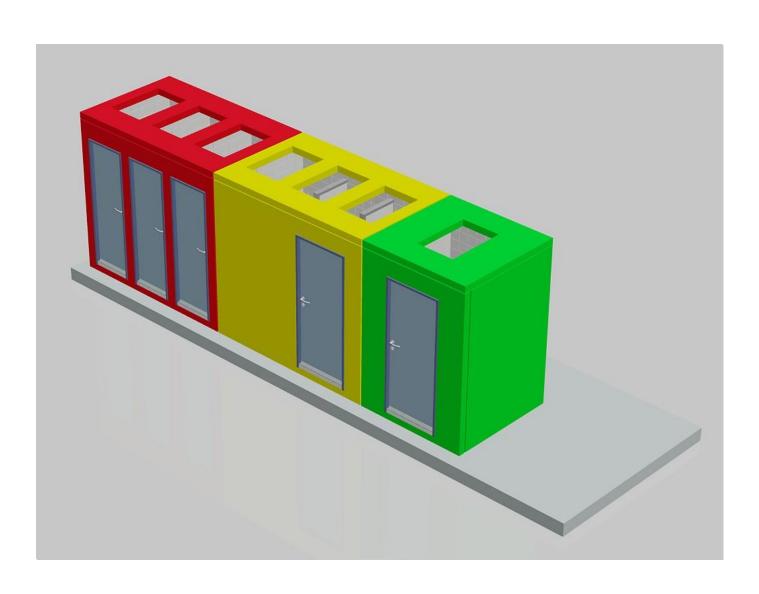
Design features

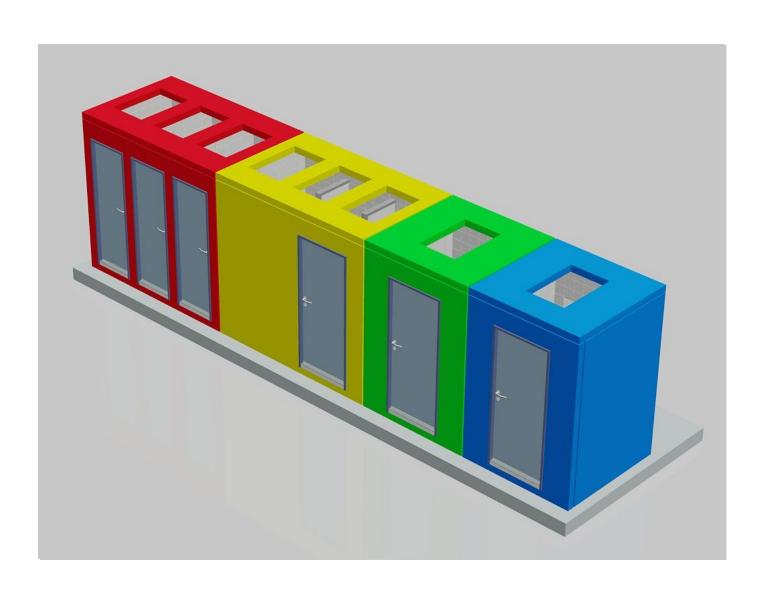
- Modular, pre-fabricated, long-lasting & appealing WinS facility
- Consider durability, sustainability, gender & environmental (DEWATS) criteria
- All supply and discharge lines are laid in a maintenance shaft in the back

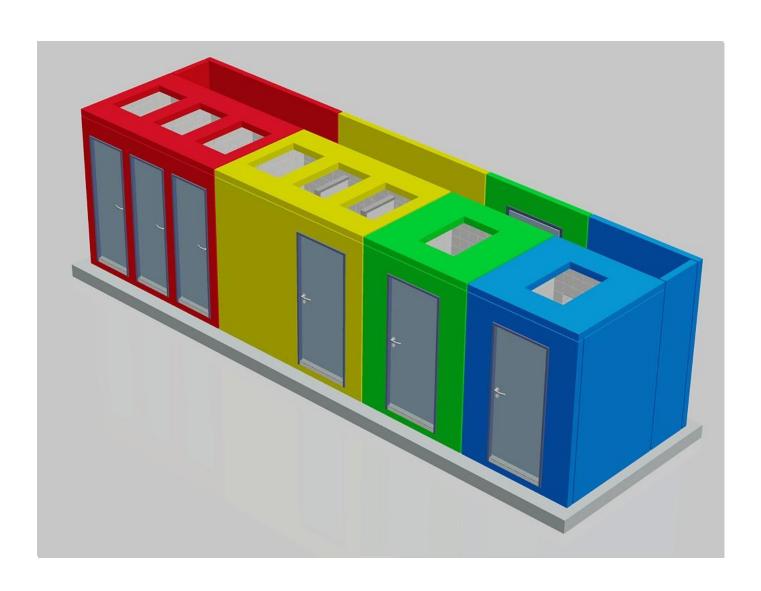


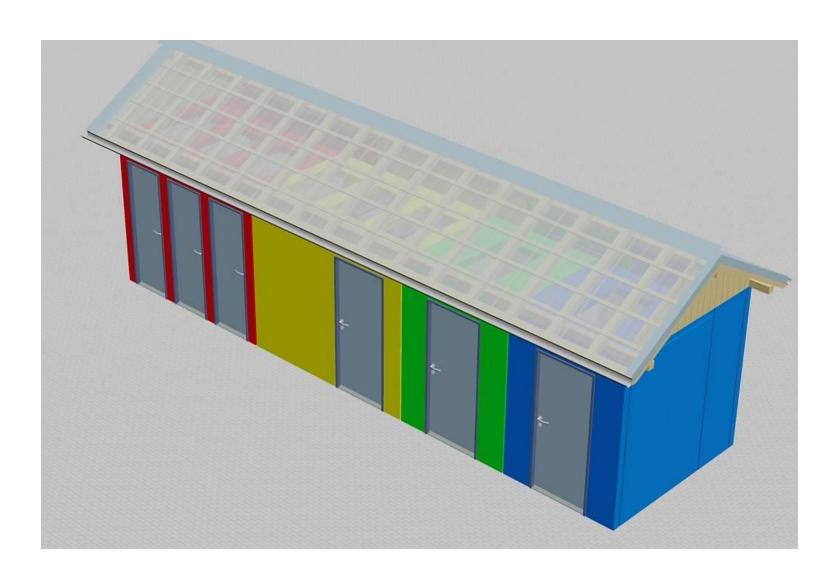












Demonstration Unit: Interior



Operation & Maintenance beyond the user interface

- With the shift from MDG's to SDG's WinS needs to fulfil additional requirement.
- Focus so far on user interfaces as handwashing and toilets.
- In future wastewater treatment and reuse needs also to be in focus of WinS

⇒ Requirement for better governance and strong interagency cooperation (education, environment, water & wastewater...)

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