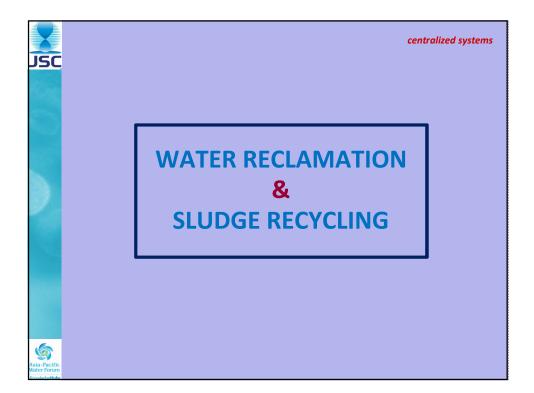
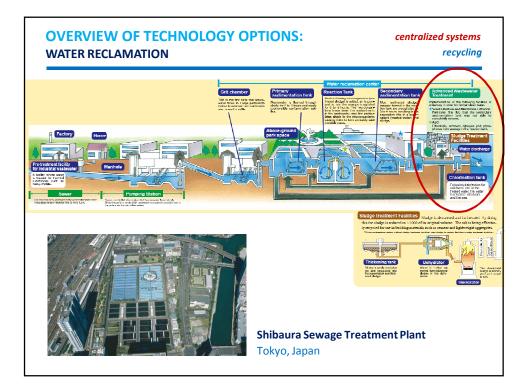
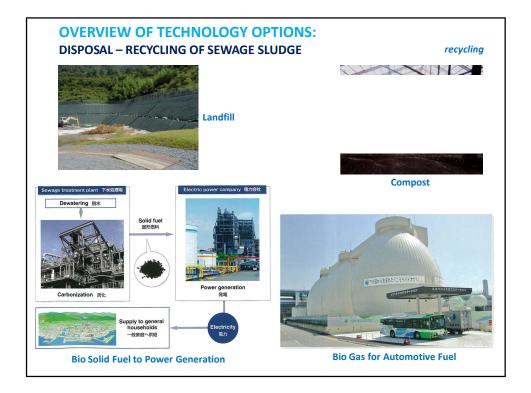


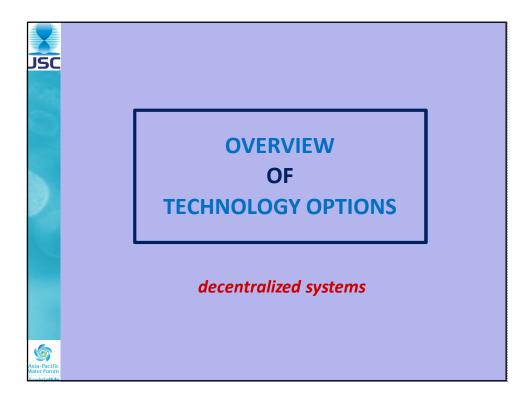
SC	OVERVIEW CONVENTION	OF TECHNOLOGY OPTION IAL SYSTEMS	NS: centralized systems
	Technology	Pros	Cons
	WWT Stabilization Pond (with or without aeration)	- Easy O&M - Low energy cost - Low sludge production	- Requires large land area - Limited WWT treatment performance - Influence of cold weather in treatment
•	Trickling Filter	- Small land required - Easy O&M	- Requires constant electricity source - Possible concern with odours and flies
	Rotating Biological Contactor	 Low skill required for operation Low sludge production Hardly affected by WWT pick flows 	- Influence of cold weather in treatment - Mechanical parts require frequent maintenance
	Activated Sludge Process	- Most widely used treatment process - Good treatment performance - Flexible scale	 Requires constant electricity source High skill required for O&M
	Oxidation Ditch	- Low power requirement - Suitable for small scale equipment	 Requires constant electricity source High skill required for O&M
a-Pacific er Forum			

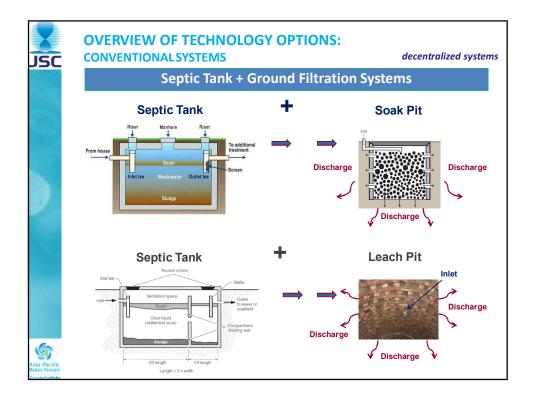
Technology	Pros	Cons
Membrane	- High quality treatment suitable for	- Requires constant electricity sour
Bioreactor	water reclamation	- High skill required for O&M
Modified Activated	- Removal of BOD and Nutrient	- Requires constant electricity sour
Sludge Process	substance (N, P)	- High skill required for O&M

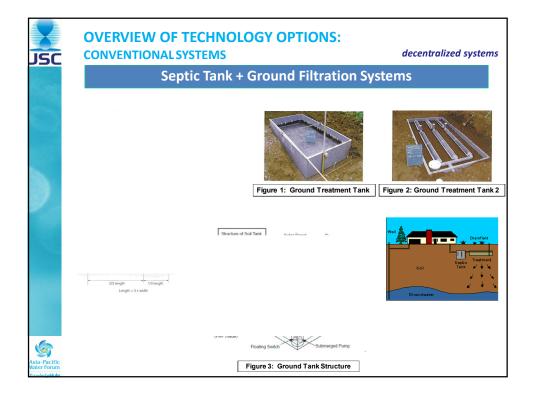


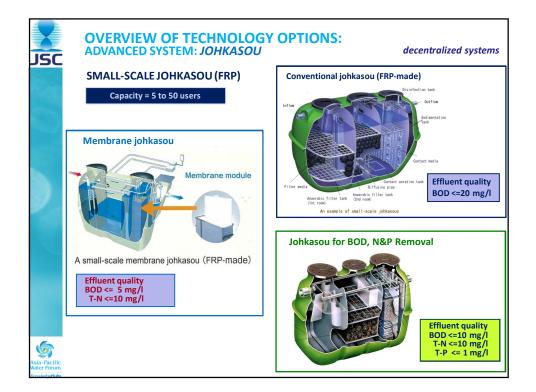












Technology	Pros	Cons
Septic tank	- No electricity required - Low sludge production	 Additional treatment is highly recommended (necessary when water table is high) Limited treatment performance Rich in pathogen
Johkasou	 Environmentally-friendly effluent (can be discharged directly to water bodies) High treatment performance Pathogen free 	- Requires electricity source - High sludge production

