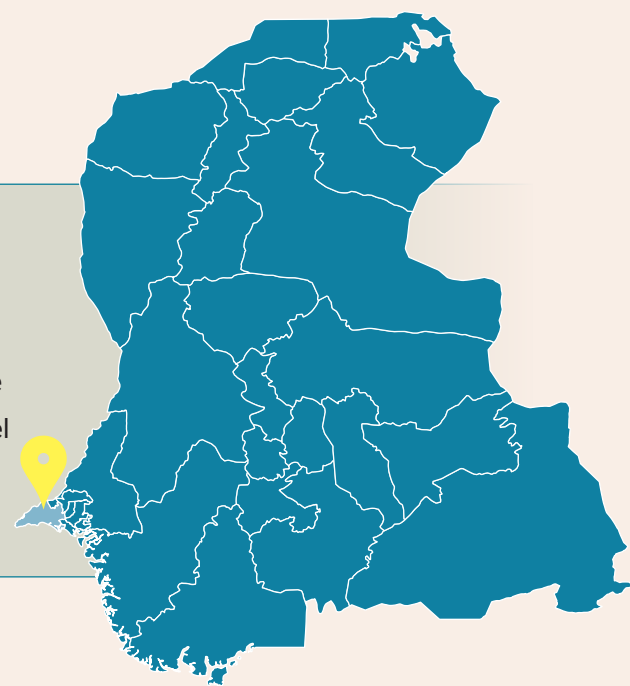




District .....**KARACHI**  
Province .....Sindh  
Population .....3.822 Millions  
Climate.....Hot Desert Climate  
Altitude .....8 m above sea level  
Average annual rainfall ....205 mm  
Temperature range.....22° C to 32° C



## Service Providers Technology Demonstration

**(Location: National Aerospace Science and Technology Park, Karachi)**

asani.io is a water management service provider who provides solutions to monitor water storage tanks and optimise motor operation times in residential and commercial properties to prevent water loss from tank overflow. Karachi receives water supply around 600-650 million gallons per day (MGD) against a requirement of approximately 1100 MGD. The water supply is intermittent, with no exact schedule, causing residents to constantly monitor their pipelines to start their pumps, often resulting in water overflow, especially during the night. To address these issues, asani.io designed a device that allows residents to auto-fill their tanks without interrupting their regular routine and automatically switches off the motor when the tank is full, preventing overflow.

An internet-supported app has been developed to help consumers monitor their water storage tanks remotely. Consumers receive alerts when their water levels are low or when the tank is full. In commercial units, sensors in the tanks provide remote information about available water. All installations are cloud-connected, allowing experts to monitor and address any issues from a control room. This system lead to considerable saving of water and energy.



**Requirement: 1100 million gallons per day Supply: 600-650 million gallons per day**