

Container system for wastewater treatment and drinking water purification

- Project:** Wastewater treatment and drinking water purification plant for the Indian Antarctic Station Bharati
- Customer:** KAEFER Construction GmbH
- Application:** Water and Wastewater Treatment
- Capacity:** 15 - 40 p.e.
- Input:** Wastewater from an Antarctic station, surface water for drinking water production

Data: The Indian National Centre of Antarctic and Ocean Research (NCAOR) is establishing an Antarctic station at the east coast of the Antarctic. Forty scientists will live and work there in 134 containers. A3 Water Solutions GmbH has been assigned to plan and construct a compact MBR-wastewater treatment plant built in containers. After the treatment, the water is partially reused within the station. A3 Water Solutions GmbH does not only construct the wastewater treatment system for this station but also its potable water purification plant (RO).

■ Membrane Modules MaxFlow	U20-002
■ Number of Membrane Modules	2 pcs
■ Filtration area	40 m ²
■ Pore size	< 0.1 μm



Construction site in Antarctic (source: KAEFER)