MOBILE & CONTAINERIZED UNITS

MOBILE

H2O Innovation offers various types of mobile units for water purification and/or wastewater treatment. The mobile units developed by H2O Innovation for permanent, emergency or piloting use are true modular treatment plants.

CUSTOM-BUILT & MEANT TO LAST



H2O Innovation can provide custom-built mobile units to meet the specific needs of treatment and the capacities required, they are assembled inside containers, caravans, or trailers (insulated, heated and ventilated if necessary). We offer containerized systems for 20ft, 40ft, and non standard lenghts (high cube with optional door available). The flexible design allows operation in various environments and conditions. These compact filtration plants are capable of treating up to 2 000 m^3 of water per day. They produce safe, high-quality water while keeping the use of chemicals to a minimum. H2O Innovation can meet regulatory standards such as OSHA.



TREATMENT APPARATUS

- MF, UF, NF, or RO membranes systems
  (see related technical sheets on those technologies offered by H2O)
- Dosing systems (metering pumps)
- Sterilization and disinfection equipement (UV, chlorine, ozone, etc.)
- Pressure filters (sand and other filtration media)



APPLICATIONS

- Logging, oil & gas, and mining operations
- Camps and communities in remote areas
- Municipalities
- Resorts
- Golf courses
- Developing countries

MOBILE & CONTAINERIZED UNITS



BENEFITS

- Quick installation
- Remote operation
- Heated and insulated
- Pilots can be conducted any time of year (even at very low temperatures)
- Reduced construction costs
- Low energy consumption
- Easy to operate
- Factory tested
- Low overall project cost (minimizes civil work required)
- Easy to transport
- Can be modified for various types of water
- Low maintenance
- Accredited processes are used



PILOT UNITS

Pilots unit are used in feasibility studies. They enable the acquisition of data to confirm the viability of the process, the projected operational costs and the full scale design parameters.

Monitoring and analytical equipment generally provided:

- Turbidity meter
- Particle counter
- Flow meter
- Conductivity
- Pressure transmitters for: pre-filters, membrane TMP
- Remote monitoring capacity
- Sampling apparatus for water analysis
- H2O Innovation owns more than 10 pilot units of various technologies, call us for technical specifications.



OPTIONS AVAILABLE

- Feed water pumps and distribution system
- Full automation and remote control
- Alternating (duplex) pumps for uninterrupted operation in case of failure
- Independant power supply (generator)



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