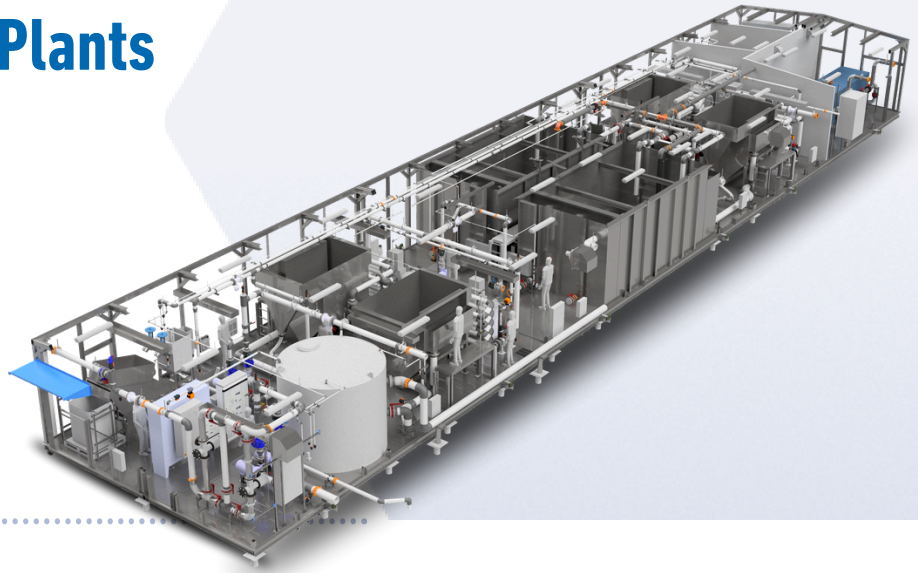


Modular Wastewater Treatment Plants



Deploy fully integrated modular wastewater treatment systems to reduce project timelines, minimize site disruption, and scale with demand.



MULTI-STAGE MODULAR TREATMENT PLANTS

Komline Pure Water's Wastewater Treatment Plants are engineered for fast deployment, operational reliability, and long-term scalability. Designed as fully integrated, prefabricated systems, these plants streamline installation and commissioning while reducing capital and operational complexity.

Our modular wastewater treatment platforms incorporate proven treatment technologies across every stage of treatment, including modular sewage lift stations, storage and headworks with equalization tanks, primary treatment systems such as grit chambers, compactors, screens, clarification, conventional clarifiers, SAF, and DAF, as well as biological treatment technologies including SBR, anoxic treatment modules, aeration treatment, moving bed bioreactors, and sequencing batch reactors.

For advanced treatment performance, our systems can include tertiary treatment solutions such as membrane filtration with MBR and UF, media filtration with sand filtration and activated carbon, and disinfection systems including chlorine injection, dechlorination, and UV systems



TREATMENT PROCESS MODULES

- ✓ **Modular Sewage Lift Station**
- ✓ **Storage & Headworks**
- ✓ **Primary Treatment**
- ✓ **Biological Treatment**
- ✓ **Tertiary Treatment**
- ✓ **Disinfection**
- ✓ **Effluent Handling**
- ✓ **Sludge Dewatering**

Factory-built water treatment plant designed, installed and operated by **Komline Pure Water** for a remote community.

BENEFITS & KEY PERFORMANCE ADVANTAGES

- **Accelerated Deployment:** Up to 50% faster deployment compared to conventional stick-built treatment systems.
- **Plug-and-Play Integration:** Integrated modular design reduces installation complexity and shortens commissioning time.
- **Scalable Capacity:** Modular platforms can be expanded or adapted to meet future flow, loading, and treatment requirements.
- **Lower CAPEX & OPEX:** Optimized footprint, energy-efficient operation, and simplified installation help reduce capital and operating costs.
- **Reduced Project Risk:** Pre-engineered and factory-tested systems improve quality control and minimize field construction challenges.
- **Advanced Automation & Controls:** Real-time monitoring, process control, and system optimization support efficient and reliable operation.

APPLICATIONS

- Municipal Drinking Water Treatment
- Industrial Wastewater Treatment
- Mining & Resource Sector Water Management
- Food & Beverage Processing
- Power Generation Facilities
- Remote & Decentralized Communities
- Emergency & Temporary Water Treatment Systems
- Water Reuse & Recycling Systems

Kitimat Wastewater Treatment Plant

