

# Z-MOD\* S Packaged Plants

Pre-engineered Above Ground Packaged Plants are cost effective, compact solutions for wastewater treatment

## Benefits

- ZeeWeed\* 500 reinforced ultrafiltration membranes produce superior effluent quality while operating in a high solids wastewater environment
- Complete systems incorporate screening, biological equipment, filtration equipment and disinfection
- Pre-engineered options allow for flexible process designs
- Short delivery timeline from submittal to a fully operating system
- Prefabricated equipment minimizes site work and reduces on site installation costs
- Compact footprint allows installation inside existing buildings
- Ideal for multistage flow increases
- In-situ membrane cleaning capability
- Two train systems provide process redundancy
- Systems range up to 0.2MGD (760m<sup>3</sup>/day)

## Base System

- Epoxy coated carbon steel tank with anoxic chamber with mixing, aerobic chamber with diffusers and membrane chambers
- Aeration blowers, permeate pumps, backpulse pumps, backpulse tank, control panel, recirculation pump, GE Fanuc PLC and HMI interface mounted on the equipment skid
- Plant start-up and operator training



## Application Dependent Options

- Biological equipment includes screening, enhanced nitrogen removal systems and grinder pumps
- Chemical systems for enhanced coagulation, pH control and membrane cleaning
- Effluent systems including turbidity measurement and UV disinfection
- Maintenance packages including shelf spares, spare parts, service contracts and process tracking software



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