



Waste Water Treatment

Headworks Screening



Vertical Shaftless Spiral Fine Screen
Mahr MS screens down to 2mm
Center Flow Perf Plate Screens

Perforated Plate Front Flow Screens
In-Channel Perf Plate Drum Screens
Multirake Automatic Bar Screens

Fine Grit Removal



95% capture of 75 Micron Fine Grit
Pista Retrofits w/V Force Baffles

Guaranteed from 0 to Peak Flow
Grit Washers and Classifiers

Odor Control



Horizontal/Vertical Carbon adsorbers
Degasifier Towers
Liquid phase Oxygenation

Bioscrubbers, Biotrickling filters
Nano Bubble Aeration - Algae Control
Chemical Wet Scrubbers

Wastewater Pumping



Chopper Pumps
Twin Disc Sludge Pumps

Progressive cavity pumps
Horizontal Non-Clogs

Mixing Solutions



Submersible Propeller Mixers
Digester Gasmix System

Oxidation Ditch Aeration Replacement
FOG Station/Lift Station Scum

Biological Treatment



Mempulse MBR Process for Air Scour
MBBR/IFAS Systems
Packaged Treatment Systems

Monolithic Hollow Fiber Membranes
Oxidation Ditch Retrofit
Anoxic MBBR

Ozone Disinfection



Compact modular Ozone generator
Sidestream Ozone Dissolution

50% reduction in Electrical & O&M costs
Highest concentration of ozone

UV Disinfection



Non-Contact In Channel UV Systems
Lowest O/M & Energy Consumption

Closed Vessel Medium Pressure UV
Surface Discharge w/no chemicals

Nutrient Recovery



MagPrex Struvite P-recovery
Low temperature belt dryers

Pondus Thermohydrolysis System
Reduce Dewatering costs by 20%

Sludge Drying



Indirect Thin Film Padde Dryer
Reduced O/M & Energy Consumption

Vary Drying from 30-95%
No limit on feed solids composition

Thickening/Dewatering



CS Series Dewatering Centrifuges
Repairs and Service on all brands
Multidisc Screw Press
Heavy Duty Belt Presses

Hydraulic Backdrive, reduced O&M
THK thickeners using zero polymer
Trailer Mounted Dewatering Rentals
Combination Thickener/Dewater Press

Solids Handling



Shaftless Screw Conveyors
S Tube Piston Sludge Cake Pumps

Automated loading conveyors
Grit Classifiers

Main Office
122 East Main Street #230
Lakeland, FL 33801

Southwest Florida Sales
Cory Peavy
cnp@ees-fl.com
C: (863) 640-0201

Southeast Florida Sales
Jackson Wilson
jdw@ees-fl.com
C: (786) 330-3219

North Florida Sales
Zack Mansker
zrm@ees-fl.com
C: (863) 220-3081

www.ees-fl.com



Water Treatment

Pumping Equipment



Vertical Turbines
Horizontal Split Case
Mixed Flows/ Axial Flows

ANSI End Suctions
Self Priming Pumps
Double Suction Verticals

Packaged Pump Stations



UL QZCJ Listed Pump Stations
Wind Code Rated Building Enclosures

Integrated System Controls
FM Listed Fire Pump Skids

CO2 Systems - WTP Recarbonation



Precise PH Adjustment
Consistent R-value reduces O&M
80% Reduction In Carrier Water

30%+ reduction in CO2 onsumption
Vacuum Jacketed tank insulation
Cryogenic storage tanks and delivery

RO Systems



98% High Recovery CCRO
20-35% Reduced O&M costs

Naturally Disrupts Biogrowth/Scaling
RO Retrofits Increase capacity

Contaminant Removal



PFAS/PFOA removal
Robust Stainless Steel Internals

Iron/Manganese Filtration
Pilot systems readily available

Disk Filters & Sand Filters



Effluent Cloth Disk Filters
No Underdrain Failures Ever
Retrofit Existing Filters w/Maximus

Monolithic Floor Deep Bed Sand Filter
Denitrification Filters
Biologically Active Filtration

Control Valves



Pressure Relief/Sustaining Valves
Cone Valves/Ball Valves

Altitude & Electronic Control Valves
HDPE Flapper Valves

Tank Mixers/ THM Removal



Pressure Relief/Sustaining Valves
Cone Valves/Ball Valves

Altitude & Electronic Control Valves
HDPE Flapper Valves

Wastewater Pretreatment & Industrial Treatment

Industrial Waste Treatment



Industrial Pre-treatment BOD removal
Self Contained MBR
Full System Pilot Testing
Primary clarifier Replacement
DAF replacement/upgrades
Controls Upgrades
Lagoon Treatment

Full Industrial Waste Treatment Design
MBBR/IFAS systems
Monolithic Hollow Fiber MBR
Belt Filtration/Dewatering Screen
Chemical metering systems
CO2 recovery
H2S reduction

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