



**LIQUID / SOLID SEPARATION SYSTEMS**

**SCREENING, GRAVITY, FLOTATION, DEWATERING & ACCESSORIES**

**PROCESS ENGINEERED  
WATER EQUIPMENT, LLC**



**19215 SE 34th St, Ste 106-202  
Camas, WA 98607 USA**



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## PEWE Vision

- Patent Vision
- Raising Standard
- Innovative Solutions
- Project References

Our clients will find with US Patent #8431022, several pending patents and twenty-one Trademark registrations the PEWE product portfolio offers innovative process and wastewater treatment solutions as well as reuse opportunities. The PEWE research and development team is continuously active seeking new technologies for the Industrial and Municipal global markets.

This allows PEWE to offer optimal package systems at the lowest cost, producing the highest revenue from your process and waste-stream. We design, manufacture, construct and warrantee our treatment systems.



ParaLam Weir™

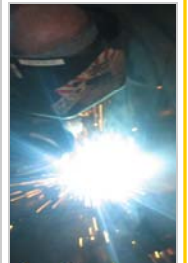
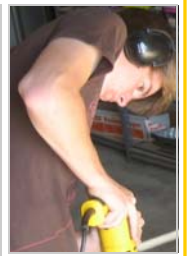


**System design efficiency equals better performance at reduced operational life-cycle cost.**

## PEWE Raises the Standard

Patent pending products and systems are designed in-house and produced under tight quality control standards. Systems are constructed in stainless steel, polypropylene and PVC for long-lasting durability and low maintenance. Detailed engineering design means operational ease and simple equipment care.

Some of the product features you will come to expect in your next system can be found only on a PEWE system. The unique technology built into PEWE systems, such as the **HD<sup>2</sup>XLRator™ LS** DAF (pictured), maximize TSS removal while minimizing chemistry usage and sludge production.



Assembly Line Production— Highest Quality Delivered On Time

**PROCESS ENGINEERED  
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## PEWE Innovative Solutions

PEWE entered the market in 2007 as a manufacturer of dissolved air flotation systems and since has added screening, clarification, dewatering and other related treatment equipment to its product portfolio. PEWE holds US Patent #8431022 for DAF design and 21 registered trademarks. This combination of PEWE's manufacturing expertise for wastewater equipment combined with exceptional customer service ensures customers well supported for many years. *For complete details please refer to the PEWE website.*

### Product Groups

#### **PolyAccu Dose® Chemical Stations**

- LD Static Mix System
- PDC *Active Blend Blade®* System
- RGT High Volume System

#### **G<sup>2</sup>-SEP® Plate Settler Clarifier**

#### **DeWater® Systems**

- DBP Belt Press
- TRU Truck Receiving Unit
- CSP Compactor Screw Press

#### **Dissolved Air Flotation**

- Dueler® DAF
- HD<sup>2</sup>XL Rator® DAF
- Nx<sup>2</sup>JEM® DAF
- Poly-E<sup>2</sup>® DAF
- T<sup>2</sup>-MAX® DAF

#### **Oil/Water Separator**

- OZ® System
- OWS System

#### **SuperSkreen® Systems**

- SSB Bar
- SSE External
- SSI Internal
- SSP Parabolic/Side-hill
- SSC Channel
- SST Thickener

#### **Command Control® Panels**





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## Client Support Team

### Mr. Stuart Ward: *General Manager*

Stuart earned his Industrial BS in (1987) and later received a Master of Business Administration from the University of Oregon (1993). Stuart Ward has been published in Pollution Engineering magazine including "DAF Design", "Regenerative Turbine Aeration", and the "Ten Commandments of TSS Treatment". He has presented papers at conferences for the Oregon Dairy Industry, Northwest Food Processors Association, Washington State University, Washington Association for Food Protection, California League of Food Processors, International Poultry Conference and the Food Industry Environmental Conference.

### Mr. Phuong "Leon" Le: *Technical Services Engineer*

Leon earned his degree in Mechanical Engineering (2010) and immediately started an internship with the firm where he was responsible for a 16 week MBBR project. Having earned his stripes he was hired on full time in his current position. Leon is responsible for designing control systems, project installation, start-up, controls training and on-going support. Leon is multi disciplinary creating product drawings, performing system biological calculations and development research. Leon follows up on any client service request.

### Mr. Chris Scheer: *CAD Engineer*

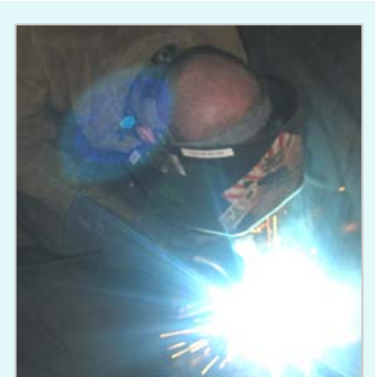
Chris earned his CAD Engineering degree in 1995. His talents are put to use creating the many product sales and manufacturing drawings required. He has primary responsibility for drawing work related to client projects. These include general layout, piping, electrical, PID and any ancillary requirements. Chris also assists client installation contractors both in the field and remotely.

### Mr. John Leach: *System Specialist*

John has 20 years of equipment experience. John is in charge of system manufacturing and knows the equipment inside and out. If there is a problem to be solved he and his field crew are capable of handling it. He assists with client installations, start-up, training and on-going service support. John holds a WABO welding certification.

### Mr. Justin Gano: *Manufacturing*

Justin is responsible for client system manufacturing. His degreed training includes both technical welding and computer science. Justin knows the equipment inside and out. Justin holds a WABO welding certification.





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### Pilot Test Systems

**PEWE** offers complete pilot testing of water and wastewater streams for the purpose of proofing for treatability. The pilot test systems are skid mounted for easy transportation, come with an experienced operator for set-up, trialing and return shipment. The pilots are a fully scaled version of their larger "brothers", are constructed in stainless steel and PVC for corrosion resistance, utilizes **Rogue** regenerative turbine aeration technology and is operated with the **PEWE Command Control** systems.

#### **HD<sup>2</sup>XLRator LS Pilot Test DAF**

The unique technology built into each **PEWE** DAF system maximizes TSS removal while minimizing chemistry usage and sludge production. Pilot testing provides management with the valuable data needed for making key design and return on investment decisions.

#### **DeWater DBP Press Test System**

**PEWE** offers complete dewater testing of solids generated from wastewater and other process streams. The test filter press system is skid mounted for easy transportation and setup. An experienced Technician will provide for sludge preparation, operation of the equipment during the trial and packaging for return shipment. The test press is a scaled version of it's larger "brothers", is constructed in stainless steel for corrosion resistance and is operated with a simple variable speed/pressure control system.

#### **MBBR Pilot Test System**

**PEWE** offers complete pilot testing of water and wastewater streams for the purpose of proofing its treatability. The pilot test **MBBR** system is skid mounted for easy transportation, comes with an experienced operator for set-up, trialing and the return shipment. The **MBBR** pilot is a fully scaled version of it's larger "brothers", is constructed in stainless steel and PVC wetted parts for corrosion resistance, utilizes twin VFD driven regenerative turbine blower technology and is operated with the **PEWE Control** system.





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## Project References

### Client

### Project Scope

Columbus Salame  
S. San Francisco, CA

Full turnkey system, *SuperSkreen*,  
*HD XLRator* DAF, *PolyAccu Dose*  
TSS, FOG, BOD

Seneca Foods  
Yakima, WA

*SuperSkreen SSE-24.2*  
FOG, TSS

Seneca Foods  
Payette, ID

*T-MAX* DAF, *PolyAccu Dose*  
TSS, FOG, BOD

BrucePac  
Silverton, OR

Plug Flow Reactor, *MAX RGT* aeration  
*PolyAccu Dose*, *SuperSkreen*  
TSS, FOG, BOD

House of Raeford  
Nesmith, SC

*T-MAX* DAF, *PolyAccu Dose*  
TSS, FOG, BOD

Oregon Ice Cream  
Eugene, OR

Full turnkey system, *HD XLRator* DAF,  
*PolyAccu Dose*, custom EQ tank  
TSS, FOG, BOD

Amerities South  
Hope, AR

Full turnkey system, *Bio LCM* System  
*T-MAX* DAF, *PolyAccu Dose*  
FOG, TSS, BOD

Odom's Pride  
Dickson, TN

Full turnkey system, *HD XLRator* DAF,  
*PolyAccu Dose*, custom EQ tank  
TSS, FOG, BOD

Matosantos  
San Juan, PR

*T-MAX* DAF, *PolyAccu Dose*  
FOG, TSS, BOD

Larsen's Creamery  
Clackamas, OR

Custom EQ tank  
Flow & load

National Foods  
Arlington, WA

Filter Press, special plates  
Solids content

Oregon Potato  
Boardman, OR

*NxJEM* DAF, *PolyAccu Dose*  
TSS, FOG, BOD

Adams Veg. Oils  
Arbuckle, CA

Full turnkey system, *HD XLRator* DAF,  
*PolyAccu Dose*, custom EQ tank  
FOG, TSS, BOD

Smith County PUD  
Tyler, TX

*SuperSkreen SSP*, *PolyAccu Dose*  
Suspended Solids

### Client

### Project Scope

Willamette Egg  
Canby, OR

Full turnkey system, *T-MAX* DAF,  
*PolyAccu Dose*, *DeWater System*  
TSS, BOD

Hood River Juice  
Hood River, OR

Full turnkey system, *Bio LCM* system,  
*Poly-E* DAF, *PolyAccu Dose*  
TSS, BOD

Mead Johnson  
Mexico

Full turnkey system, *HD XLRator* DAF,  
TSS, FOG, BOD

Dannon Co  
Portland, OR

Design/Build WWT system,  
*HD XLRator* DAF, *PolyAccu Dose*  
TSS, FOG, BOD

Rumiano Cheese  
Crescent City, CA

MBBR System up-grade  
Media replacement  
BOD, N, P

Ehrmann Dairy  
Casa Grande, AZ

Full turnkey system, *HD XLRator* DAF,  
*PolyAccu Dose*, *DeWater Press*  
TSS, FOG, BOD

Newburgh Egg  
Newburgh, NY

MBBR system, *Command Control*  
*PolyAccu Dose*, custom tanks  
TSS, FOG, BOD

Pacific Natural Foods  
Tualatin, OR

*HD XLRator* DAF, *PolyAccu Dose*,  
TSS, FOG, BOD

GEM State  
Burley, ID

*Rogue MAX RGT* DAF upgrade  
TSS, FOG, BOD

Wilmar-Gavilon  
Stockton, CA

*HD XLRator* DAF  
*PolyAccu Dose*, *Command Control*  
TSS, FOG

Williams Sausage  
Union City, TN

Full turnkey system, *HD XLRator* DAF  
*PolyAccu Dose*, *Command Control*  
TSS, FOG, BOD

Pacific Natural Foods  
Tualatin, OR

Full turnkey system, *HD XLRator* DAF  
*PolyAccu Dose*, *Command Control*  
TSS, FOG, BOD