PEWE Mobile Innovation
The new **ASO® Mobile!** MBBR bioreactor is a continuous flow wastewater treatment system utilized for the reduction of soluble organics and nutrients. The key to the system is the patented media which provides a home for biological colonies of bacteria and protozoa to grow and flourish. The technology utilizes a single flow through design with no need for activated sludge recycling or backwashing. The media are contained within the vessel and submerged in the tank. A pump moves the wastewater to the **ASO® Mobile!** MBBR system where a coarse air dispersal system evenly applies the wastewater to the media. The aeration grid provides for continuous application of oxygen to the bio-colony. Simple monitoring of DO, organic and nutrient levels is all that is required for efficient operation of the system.

**ASO® Mobile! MBBR System Controls**
**PEWE Command Control®** provides optimal operation of the system. A transmitter on the incoming wastewater allows the PLC to send water to the treatment plant as needed. A variable frequency drive is incorporated into the MBBR blower drive to provide speed control while maintaining optimal DO levels.

**ASO® Mobile! Operation & Maintenance**
Each day the system operator will perform a simple check of the dissolved oxygen and nutrient levels. A DO meter in each MBBR reactor will continuously register the levels throughout the day. An automated timer will dose the appropriate amount of alkalinity, nitrogen and phosphorous required in the system.

**ASO® Mobile! Benefits:**
- Applications flows; 5k to 100k GPD
- Mobile and portable; Ship by truck, rail, sea
- Self-contained piping and wiring; Simple plumbing and electrical connections
- Modular; MBBR tanks installed singly or serially
- Versatile: Many industrial effluent applications
- Easy to operate and maintain
- High energy efficiency
- Reuse compatible effluent

**ASO® Mobile! AM-50**

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MODEL | GPD | FOOTPRINT
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AM-5  | 5K  | 4.8 x 12 x 12.5
AM-10 | 5K  | 4.8 x 16 x 12.5
AM-15 | 15K | 4.8 x 16 x 12.5
AM-25 | 25K | 6.8 x 16 x 12.5
AM-50 | 50K | 8.8 x 24 x 12.5
AM-75 | 75K | 8.8 x 28 x 12.5
AM-100| 100K| 12.8 x 32 x 12.5
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All models designed for:
- 1500 BOD reduced to 250 BOD
- 250 TSS; nil FOG Avg @ 70F