

Webitat™ by ENTEX Technologies

Webitat for SBRs

Engineering
a Clean Water
Environment

Since the 1980s when the EPA published its first Sequencing Batch Reactors (SBR) design manuals and SBRs became widely adopted, the SBR technology has not significantly improved, while the loads have steadily climbed. 30 years later, many SBRs are observing decreased treatment efficiency due to increasing loads. ENTEX's *Webitat for SBR* system, the world's most trusted fixed-media SBR upgrade solution, is proven to help restore & increase SBR treatment capacity by augmenting the existing suspended phase biology with attached phase biology. Find out more about the trusted technology, including multiple industry papers and successful installations at entexinc.com.

**The Most
Trusted
Fixed-Media
SBR Upgrade
Solution!**



Boost SBR Performance

- Increase Treatment Capacity
- Maximize Mixing & Substrate Transfer
- Added Oxygenation with Recommended Integrated Aeration System
- Optimized Settling Characteristics & Process Stability
- Handle Inconsistent & Unique Water Characteristics



Reduce SBR Operating Costs

- Reduce Sludge Yield by up to 50%
- Slash Sludge Hauling Costs
- Offset Suspended Mixed Liquor



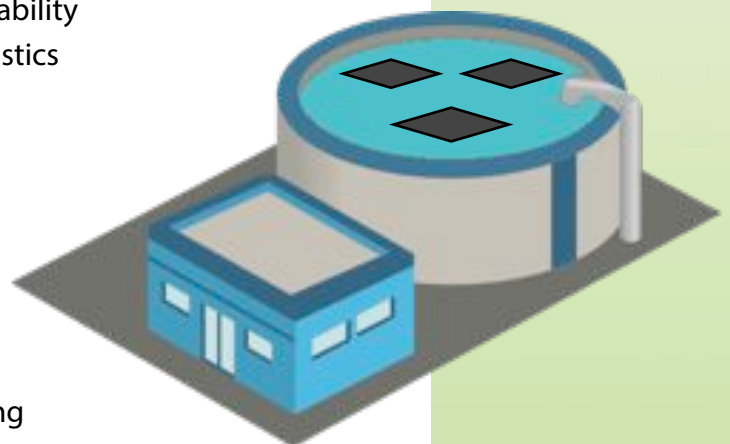
Easy Installation

- Doesn't Interrupt Process or Require Dewatering
- Easily Integrate into Existing Control System
- Possible to Operate on Existing Aeration System



Trusted Name

- Durable, Long Lasting Equipment
- Custom Engineered Solution for your Application
- Dependable Support



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Owens Corning, Newark, Ohio

Owens Corning wastewater plant in Newark, Ohio retrofitted their 0.5 MGD SBR with 15 Webitat modules specifically designed to interlock to be able to withstand the vigorously mixed, high-rate jet aeration SBR while significantly increasing the biomass in the reactor. The retrofitted SBR now reduces the average effluent Nitrogen by 94% and COD by 35%. Owens Corning highly recommends the system, saying it's "efficient, economical and a flexible method to achieve additional biological treatment capacity and has a bright future in treating various industrial wastewaters." The innovative *Webitat for SBR* retrofit was the subject of an *Industrial Wastewater* article.



National Pingtung University, Taiwan



The Environmental Center for Livestock Waste Management located on the campus of National Pingtung University of Science & Technology received the world's first ever fixed-media SBR system in 1999. The System, fitted with 3 Webitat modules, treats 16,500 GPD, seeing impressive results including increased settleability of the sludge (average SVI value of 90), BOD, COD & SS removal of over 97%, as well as reductions in effluent TKN concentrations (85%).

