

Wusong Riverfront Treatment Park

Client — Kunshan City, China

Kunshan City is known historically as the birthplace of traditional opera, and for its unique canal townships along the Wusong River. In the past few decades, due to its proximity to Shanghai, the city has experienced unprecedented population and business growth, which has resulted in environmental degradation and the need for the city to remake its identity. The Wusong Riverfront Treatment Park, sitting upstream of a major mixed-use commercial development, creates a new model for the City by balancing development and environmental conservation.



Wusong Riverfront Treatment Park integrates cutting-edge hydrological engineering design and land planning by making a water treatment system the central organizing structure of the 236-acre urban park. A sequence of constructed wetland pools and channels remove targeted pollutants by settling, filtration, aeration, and bio-processing in alternating oxic and anoxic environments. Existing storm pipe outlets that previously discharged directly into the inner bay were retrofitted, allowing water to pond onsite and flow over land in bio-swales before entering the treatment system. environmental conservation.

