

Suzhou Project Information for Foreign Experts (2018)

Name of the Organization	Research Institute for Environmental Innovation(Suzhou),Tsinghua-a	Nature of the organization	Government-affiliated institutions
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Brief Introduction of the Organization	<p>RIET is a subsidiary institution of Tsinghua University which mainly focuses on environmental scientific innovation activities. The overall target is to build a comprehensive organization with international influence, which will be driven by system innovation, based on scientific researches and led by achievement transformation, and will contribute to Tsinghua's goal of making School of Environment a word-leading institute. RIET is registered and located in Suzhou New District as well as its scientific research site.</p> <p>RIET strives for the realization of national environmental protection strategy, the development of environment subject, and the improvement of local environmental quality. We have extensive environmental database and will explore the way to solve environmental problems with more acceptable price.</p>		
Name of the Project	Development of powerless composting reaction system for green waste		
Industry	Solid waste management		
Introduction of the Project	<p>It is of great significance to seek for the innocuous treatment and resource utilization of landscaping waste and to solve the problem that perennial landscaping cultivation base relies heavily on peat resources to save natural resources, prevent environmental pollution and achieve a virtuous cycle of ecological economy. The project aims at many problems of the aerobic composting reaction system of landscaping waste, including the conventional agitator shaft with high resistance and dependence on the motor, complicated structure and high cost, poor natural aeration efficiency or easy to plug the ventilation holes, unable to achieve constant humidity during composting. A non-power reaction system with simple structure and reasonable cost, which can utilize the rainwater storage flow to humidify the pile body, is designed to realize green compost in-situ compost under the condition of saving manpower, material resources and financial resources to the maximum extent.</p> <p>Other projects related to solid waste pollution control and recycling.</p>		
Cooperation Conditions	Provide green waste composting experimental conditions; the introduction of international relevant cutting-edge science and technology.		
Note			