

昆山杜克大学校企协同创新平台_挑战项目详情

合作方信息	
机构名称:	DIIS 上海创新创意设计研究院
机构类型:	NPO
官网 / 官方账号链接:	https://www.diis.org.cn/Cn
联系人:	顾早立
项目信息	
项目类别:	创意媒体类
预期开启时间	2026 年 2 月
	预计结束时间 2026 年 7 月
机构介绍:	
上海创新创意设计研究院(Design Innovation Institute Shanghai, 简称 DIIS), 是一所致力于创造具有世界一流水平的设计创新及其转化的新型非营利高端科研机构。随着设计成为继科技、市场后的第三种创新范式, 研究院于 2020 年成立并落位于虹口北外滩修缮焕新后的百年历史建筑“雷士德工学院旧址”, 致力于打造世界级设计驱动式创新转化引擎。	
研究院旗下分设大师工作室集群、产业联合实验室集群、跨学科创新加速器、“设计寰宇 Design Universe”生态平台、“前沿设计创新奖 Frontier Design Prize”国际大奖等多个创新载体, 汇聚国际人才和产业生态, 共同服务和引领产业的转型升级和经济的高质量发展。	
项目概述:	
本项目旨在开发面向“双碳”目标的创新垃圾站解决方案, 通过调研国内外垃圾站现状与设计实践, 为学生提供充分发挥创意和设计能力的空间。项目设计遵循模块化与产品化理念, 可根据不同社区或村庄的规模灵活配置, 安装便捷, 并在外观与动线设计上进行优化, 同时兼顾垃圾清运车辆的高效对接。方案包括小型版本, 适用于城市小区; 大型版本, 面向新农村场景, 并可集成湿垃圾就地处理模块。进阶功能可拓展至创新湿垃圾处理装置的开发以及绿色能源 (如太阳能板) 的应用, 为垃圾站提供可持续、智能化的管理方案。	

合作方支持与资源：

1. 技术与方法指导：提供垃圾处理与绿色能源方面的导师支持，指导学生在设计中应用模块化与可持续发展理念。
2. 在地联系与合作资源：协助联系合作社区或村庄，提供实地调研机会，并推荐合作伙伴或供应商以便测试材料和装置。
3. 培训与学术指导：为学生提供设计思路、创新方法和项目管理培训，并在项目过程中进行阶段性点评和指导。
4. 成果展示与推广支持：协助项目成果的学术或社会推广，并提供国际视角的反馈以优化设计方案。

其他说明：

DKU Co-Innovate Platform_Challenge Information

Partner Information			
Organization Name:	Design Innovation Institute Shanghai (DIIS)		
Organization Type:	NPO		
Website / Official Account Link(s):	https://www.diis.org.cn/Cn		
Contact Person:	Zaoli Gu		
Project Information			
Project Category:	Creative Project		
Expected Start Date:	February 2026	Expected End Date:	July 2026
Partner Info:			
<p>Design Innovation Institute Shanghai (DIIS) is a non-profit advanced research institution dedicated to creating world-leading design innovation with real-world impact. As design assumes its place as the third pillar of innovation alongside technology and market dynamics, DIIS was founded in 2020 with the overarching objective of establishing a world-class engine for design-driven innovation transformation. Situated in the recently restored 90-year-old heritage building formerly known as the Lester Institute of Technical Education, DIIS is nestled in the North Bund CBD area of Shanghai.</p> <p>Within the DIIS framework, an array of innovative platforms has been created, including design master studios, industry joint laboratories, D.Transformer incubator, Design Universe event platform, and Frontier Design Prize, an international accolade. Collectively, they serve as magnets for international talent and a thriving business ecosystem, driving the transformative progress of diverse industries while contributing to high-quality economic development.</p>			
Project Overview:			
<p>This project aims to develop innovative waste-station solutions aligned with China's "dual-carbon" goals (carbon peaking and carbon neutrality). By researching the current state of waste stations and relevant design practices in China and abroad, the project offers students ample space to apply creativity and design capabilities. The design follows modular and productized principles, enabling flexible configuration for communities or villages of different sizes and convenient installation, while also optimizing appearance and circulation routes and ensuring efficient docking with waste-collection vehicles. Proposals may include a small version for urban residential communities and a large version for new-rural contexts, with optional on-site processing modules for kitchen waste. Advanced features may extend to innovative on-</p>			

site processing devices and the use of green energy (e.g., solar panels) to deliver a sustainable, intelligent waste-station management solution.

Partner Support & Resources:

1. Technical and methodological guidance: Provide mentor support on waste management and green energy, guiding students to apply modularity and sustainability concepts in the design.
2. Local connections and partner resources: Help connect communities/villages for field research opportunities and recommend partners or suppliers for testing materials and installations.
3. Training and academic guidance: Provide training on design thinking, innovation methods, and project management, with phased reviews and guidance throughout the project.
4. Showcase and dissemination support: Assist with academic or public dissemination of project outcomes and provide international perspectives to help refine the design proposals.

Additional Notes: