

CDE's Net-Zero Precinct

An Executive Summary



The Challenge at Hand

The primary challenge at hand revolves around addressing sustainability in various facets. It involves creating innovative and integrated approaches to urban resilience and sustainable development, particularly within the context of the university campus. The focus includes transforming existing infrastructure, designing and operating buildings with net-zero energy and water goals, and fostering a community committed to environmental well-being. Additionally, the challenge extends to leveraging research, technology, and collaborations across disciplines to combat climate change's impacts on health, biodiversity, food, water, and energy while ensuring a sustainable future for generations to come.

Our Unique Advantage



The NUS College of Design and Engineering stands out for its leadership in creating sustainable buildings like SDE4, the first net-zero energy building in Singapore. It's a place for groundbreaking research, bringing together experts from different fields to find innovative solutions for sustainable living. The college's global recognition and focus on urban resilience through adaptable infrastructure further solidify its role as a pioneer in sustainable design and development.

Impact Proposition

CDE centers on pioneering sustainable innovation and revolutionizing design and engineering practices. It involves setting strong examples such as SDE4, the forefront net-zero energy structure, and establishing dynamic research spaces. Collaboration among diverse experts is key, aiming to tackle complex sustainability challenges holistically. Our global recognition as a leader in sustainable architecture and engineering further reinforces its influence. Promoting adaptable, resilient, and sustainable infrastructure for urban settings is a core advocacy. Investing in education and research initiatives forms the backbone for creating a wealth of knowledge and practices to shape a sustainable future. Ultimately, this proposition aims not only to construct sustainable buildings but also to reshape mindsets, encourage collaboration, and drive global conversations towards a more sustainable world.

Your generous contribution towards a **\$25 million endowed fund** will significantly aid CDE's Long Term Version of a Net-Zero Precinct, focused on fostering Urban Resilience. This support will be allocated across three critical areas: providing for Students through Scholarships and Travel Bursaries, attracting world-class Academics through Professorships, and advancing Research via Fellowships and Research Funding.