



# NANJING GREEN LIGHTHOUSE

Client	Nanjing High-tech Zone
Services	Architecture Design / Interior Design / Public & Culture
Location	Nanjing
Scale	0.9 HA
Gfa	4,500 m <sup>2</sup>
Collaborator	COWI / NADI
Time	2010-2015
Status	Completed

Nanjing Green Lighthouse is the first zero-carbon building in China. As an inspiration project, its design and construction marks the transformation of a worn-down high-tech zone. It has achieved an energy consumption below 25 kWh/m<sup>2</sup>/year, and its remaining energy load will be offset by photovoltaic panels. Through sophisticated façade design, all permanent working areas can enjoy 200 Lux natural daylight. The combination of natural daylight and indoor climate will improve the quality of healthy living environment and productivity of the users. With the assistance of multidisciplinary details and 3D tools, we calculate the best location of windows and skylight to maximize its function and efficiency while minimizing the energy consumption.















