

Key technologies and demonstration of combined cooling, heating and power generation for low-carbon neighbourhoods/buildings with clean energy (ChiNoZEN)  
低碳社区、清洁能源冷热电联产关键技术及示范 (中挪能源科技创新合作项目)

About ChiNoZEN  
关于 ChiNoZen 项目

The ChiNoZEN project supports the transition to a reliable, affordable, publicly accepted, sustainable built environment, aiming at reducing fossil fuel dependency in the face of increasingly scarce resources, growing energy needs, and threatening climate change. The project delivers new knowledge, solutions and innovative technologies for low-carbon buildings and neighbourhoods. The key result of the ChiNoZEN project is a combined cooling, heating and power generation system able to meet the needs of low-carbon communities to fully absorb nearby available renewable energy.

The ChiNoZEN is a project under the common call within energy topics between the Research Council of Norway (RCN) and the Ministry of Science and Technology (MOST) in China. The Norwegian part of ChiNoZEN project receives funding of 25 MNOK from RCN while MOST funds the Chinese part of ChiNoZEN project with 17,67 MRMB. This project description covers both parts of the project.

本项目通过发展社区/建筑基于清洁能源的热电冷多联产系统、太阳能光伏/光热组件和系统、以及太阳能-中温储热负荷调峰、高温热泵装置等关键技术，实现充分消纳可再生能源和大幅提高建筑能源可再生能源占比。通过项目合作，旨在结合中挪双方优势，在低碳清洁能源关键技术研发方面取得突破，为促进中挪两国低碳清洁能源技术的规模应用提供支撑。

本项目研究经费来自中挪双方相关单位。挪威研究理事会(RCN)出资 2500 万挪威克朗，中国科技部(MOST)提供 1767 万人民币。该项目介绍包括中挪双方的项目内容。

27.10.2020