

## **Planning Methodologies for Distributed Integrated Energy Systems**

The optimal planning of distributed integrated energy systems is of great significance to facilitate the accommodation of renewable energy and satisfy various energy demands of the end-users. However, balancing the financial expectations and energy demands of different stakeholders of distributed integrated energy systems is always challenging. The proposed planning methodologies can provide robustly planning scheme for distributed integrated energy system stakeholders considering the multiple energy demand uncertainties, payback periods, investment risks and local natural wealth. An online planning platform for distributed integrated energy systems is also developed with user-friendly interface for both energy system plan & design beginners and professionals.