Sacred site - Heating

Expected project CAPEX: 14’000’000 €

Mandating Authority: Jiangsu Daoist Association

Summary
The project aims to replace the energy-inefficient heating systems in 200 Daoist temples in Jiangsu Province, which currently rely on coal-fired boilers.

Location and population
Jiangsu Province, China
79.9 million inh.

Social and environmental impact
By saving energy, the carbon crystal heating will produce one third less GHG emissions, which will benefit the environment.

Main stakeholders
Jiangsu Daoist Association, Zhenjiang Tian-wang MX Photoelectric Technologies Co., Ltd, and related local authorities
STAGE 1: Concept Development, Site identification

Target population
Pilgrims and monks

Surfaces
200 temples

Climate
Mountains

STAGE 2: Pre-Feasibility Studies

Pre-feasibility study: Yes

STAGE 3: Feasibility Studies

Feasibility study: In progress

STAGE 4: Permitting / Financing / Contracts

Land concession signed: NA

Environmental impact study: NA

Identified sources of fundings
Tbd

STAGE 5: Engineering / Construction / Commercial Operation

Engineering, Procurement and Construction Contractor: Tbd

Operation and Maintenance Contractor: Tbd

Comments
Based on the outcomes in Jiangsu, the proposal is to rollout this out through a further 5 southern provinces of China to reach a target within 10 years of 1,000 major temples. In the current plan each of the 200 temples would have an education display and information dissemination programme about their heating programme and its ecological significance.

<table>
<thead>
<tr>
<th>Solutions intégrées</th>
<th>CAPEX</th>
<th>Description</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating system</td>
<td></td>
<td>Renew 200 Daoist temples</td>
<td>The cost of heating one square meter using carbon-crystal materials is roughly 200 RMB (including both materials and labour costs).</td>
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