

CLP Internship Programme 2022

Project Focus – Energy Engineering (Summer)

<b>Project Code</b>	EN_SUM_01	
<b>Project Detail</b>	<b>Internship Category</b>	Summer
	<b>Internship Period</b>	Jun 2022 to Aug 2022
	<b>Preferred Discipline</b>	<p><b>First Preference:</b> Energy, Building Services Engineering, Mechanical Engineering &amp; Electrical Engineering</p> <p><b>Other Preference:</b> Engineering Related</p>
	<b>Project Name</b>	ECO System driving wet market modernization in Hong Kong
	<b>Business Objective(s)</b>	<ul style="list-style-type: none"> <li>• To promote and drive wet market to adopt more smart applications</li> <li>• To develop energy related value added services for wet market related stakeholders</li> </ul>
	<b>Project Description</b>	<ul style="list-style-type: none"> <li>• Desktop study on the current wet market sectors and facilities provision</li> <li>• Identify smart innovative strategy and green features applicable to local wet markets</li> <li>• Support to deliver initiatives to value-added services to wet market stakeholders</li> </ul>
	<b>Required Skills</b>	<ul style="list-style-type: none"> <li>• Website or IT related skills</li> <li>• Excel for mathematical and statical analysis</li> <li>• Computer programming</li> <li>• Technologies on energy efficiency and conservation.</li> <li>• Communication skills.</li> <li>• Attention to details and data analytics</li> </ul>

## CLP Internship Programme 2022

## Project Focus – Energy Engineering (Summer)

<b>Project Code</b>	EN_SUM_02	
<b>Project Detail</b>	<b>Internship Category</b>	Summer
	<b>Internship Period</b>	Jun 2022 to Aug 2022
	<b>Preferred Discipline</b>	<b>First Preference:</b> Sustainable Energy Engineering <b>Other Preference:</b> Electrical Engineering
	<b>Project Name</b>	Utility Scale Battery Energy Storage System
	<b>Business Objective(s)</b>	<ul style="list-style-type: none"> <li>Develop the business case and technical concept of a battery energy storage system for integration to the Hong Kong grid.</li> </ul>
	<b>Project Description</b>	<p>The intern will join the project development engineering team. Exact role will be dependent on the status of the project development at the time of the internship, but in general the activities could involve assisting the engineering team to:</p> <ul style="list-style-type: none"> <li>Prepare scopes of work for engineering studies, review tenders, oversee the output from the studies</li> <li>Check existing plant parameters for the integration of BESS (e.g. power, controls, grid integration)</li> <li>Review concept designs and preparation of specifications</li> <li>Organise workshops and prepare presentations in the interests of stakeholder engagement.</li> </ul>
	<b>Required Skills</b>	<ul style="list-style-type: none"> <li>Interest in energy decarbonisation and demonstration of relevant module(s) undertaken in their chosen degree.</li> </ul>

CLP Internship Programme 2022

Project Focus – Energy Engineering (Summer)

<b>Project Code</b>	EN_SUM_03	
<b>Project Detail</b>	<b>Internship Category</b>	Summer
	<b>Internship Period</b>	Jul 2022 to Aug 2022
	<b>Preferred Discipline</b>	<b>First Preference:</b> Mechanical Engineering <b>Other Preference:</b> Electrical Engineering
	<b>Project Name</b>	Renewable asset performance analysis and enhancement
	<b>Business Objective(s)</b>	<ul style="list-style-type: none"> <li>• Study and identify enhancement opportunities on renewable asset performance through data analytics</li> <li>• Support performance enhancement and operational preparedness initiatives</li> </ul>
	<b>Project Description</b>	<ul style="list-style-type: none"> <li>• Perform performance analysis with tools such as a centralized data analytic platform on solar and wind portfolio.</li> <li>• Assist operational reporting and management update preparation.</li> <li>• Support ad-hoc digitization and business preparedness initiatives.</li> </ul>
<b>Required Skills</b>	<ul style="list-style-type: none"> <li>• Basic understanding of wind / solar generation technology</li> <li>• Good analytical, problem solving and communication skills</li> <li>• Basic office software knowledge.</li> </ul>	