

CLP Internship Programme 2022

Project Focus – Mechanical Engineering (Summer)

<b>Project Code</b>	ME_SUM_01	
<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> Mechanical Engineering <b>Other Preference:</b> Electrical Engineering
	<b>Project Name</b>	Digitalization and modernization for fuel and material handling
	<b>Business Objective(s)</b>	<ul style="list-style-type: none"> <li>• Digitalization on converting the paper checksheet into electronic ones</li> <li>• Feasibility study of modernization for coal conveying system</li> <li>• Study the operation and maintenance strategy of new water management facilities in Castle Peak Power Station</li> <li>• Familiarization from ash classification, dust silo overhaul to ash marketing</li> </ul>
	<b>Project Description</b>	<ul style="list-style-type: none"> <li>• By adopting the latest Microsoft Power Platform, transform paper checksheets to electronic ones, and create workflows to automate repetitive approval process</li> <li>• By researching the latest technologies in the market, study the feasibility of modernization for existing coal conveying system aiming to enhance the. safety, productivity and maintainability</li> <li>• Study and assist to draft the operation and maintenance strategy of new storm and process water management facilities in Castle Peak Power Station</li> <li>• Study and review the performance of ash classification process, and familiarize the overhaul of a dust silo and ash marketing</li> </ul>
<b>Required Skills</b>	<ul style="list-style-type: none"> <li>• Familiarity with Power Automate, Power BI, Power Apps and Share Point</li> <li>• Basic knowledge on mechanical theories such as particles separation and fluid mechanics</li> <li>• A good team member, self-initiative with strong analytical skills</li> <li>• Strong sense of responsibility with good interpersonal skills</li> </ul>	