

CLP Internship Programme 2023

Project Outline - Energy Engineering

Project Code	EN_SAND_01	
Project Detail	Internship Category	Sandwich
	Internship Period	Jun/2023 to May/2024
	Preferred Discipline	<p>First Preference:</p> <ul style="list-style-type: none"> Sustainable Energy Engineering <p>Other Preference:</p> <ul style="list-style-type: none"> Electrical Engineering
	Project Name	Utility Scale Battery Energy Storage System
	Business Objective(s)	<ul style="list-style-type: none"> To provide primarily support to the engineering team in the design review process and take ownership of certain tasks in the development of battery energy storage system for integration to the Hong Kong grid To provide support to the project controls team in the reporting and controls, lessons learned and co-ordination of project management activities
	Project Description	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> Prepare scopes of work for engineering studies and oversee the output from the studies Check existing plant parameters for the integration of BESS (e.g. power, controls, grid integration, system communications, etc) Reviewing front end engineering designs and preparation of specifications Organize workshops and prepare presentations in the interests of stakeholder engagement
Required Skills	Interest in energy decarbonisation and demonstration of relevant module(s) undertaken in their chosen degree.	

CLP Internship Programme 2023

Project Outline - Energy Engineering

Project Code	EN_SAND_02	
Project Detail	Internship Category	Sandwich
	Internship Period	May/2023 to May/2024
	Preferred Discipline	<p>First Preference:</p> <ul style="list-style-type: none"> Mechanical / Electrical / Energy Engineering or Environment-related Discipline <p>Other Preference:</p> <ul style="list-style-type: none"> Business or Information Technology
	Project Name	Business Planning for CLP Power Generation Business Towards A Utility of the Future
	Business Objective(s)	In support of CLP Power transformation towards a Utility of the Future with carbon neutrality, operational excellence and digitalization as key business directions, a comprehensive planning for both short-term and long-term generation business development is essential to drive the business transformation along the directions and achieve the business goals.
	Project Description	<ul style="list-style-type: none"> To participate in the generation business planning process from strategy development to formulation of business plan To organize various events in the business planning cycle to ensure alignment with corporate business strategies & directions and enhance staff's understanding of business plan and objectives - Technical Performance Management To assist in setting technical performance targets for generation plant in order to drive business and operation improvement To conduct performance tracking and scenario analysis to drive achievement of the targets - Business Improvement To adopt process automation and data analytic tools to facilitate process streamlining and business improvement
Required Skills	Proficiency in MS O365 applications including Word, Excel, PowerPoint, Power BI, Power Apps, Power Automate, SharePoint, etc. would be an advantage.	

CLP Internship Programme 2023

Project Outline - Energy Engineering

Project Code	EN_SAND_03	
Project Detail	Internship Category	Sandwich
	Internship Period	Jul/2023 to Jun/2024
	Preferred Discipline	<p>First Preference:</p> <ul style="list-style-type: none"> Electrical, Energy, Industrial, Mechanical Engineering <p>Other Preference:</p> <ul style="list-style-type: none"> Mathematics or relevant science subject
	Project Name	Renewable Assets Performance Analysis and Enhancement
	Business Objective(s)	<ul style="list-style-type: none"> Study and identify enhancement opportunities on renewable asset performance Support performance monitoring, reporting and enhancement initiatives
	Project Description	<ul style="list-style-type: none"> Monitor renewable asset performance and conduct analysis on solar and wind portfolio Explore work streamlining and optimization opportunities Study and identify technological and innovative initiatives for renewable asset performance enhancement and operational optimization Support business reporting, strategic planning and budgeting Support the company's transition to Utility of Future through digital transformation
	Required Skills	<ul style="list-style-type: none"> Proficiency in MS office suite, Power BI Strong mathematical/statistical and analysis background Knowledge of key equipment and technology options for solar and onshore wind projects Good communication and writing skills in English and Chinese