



Mechanical Engineer

Responsibilities

- Responsible for mechanical design for construction robotic products development. This contains from concept design, 3D drawing, material selection and tooling to production.
- Review mechanical & constructional design from R&D team, in terms of safety & functionality, material selection & cost, tolerance & reliability, and manufacturing process.
- Responsible for critical parts/material sourcing and provide technical supports for field trial, troubleshooting and fault rectification.
- Perform and lead mechanical design of E&M prefabrications. These include modular conduit, airduct, trunking, pipe, pump and their support frame/structure with consideration and calculation for manufacturability, logistics, hoisting, installation and T&C.
- Lead structural analysis using FEM tools and software to validate design of various steel-based frameworks. Be able to achieve targeted safety factor and avoid potential failures.
- Work with factory and suppliers to establish, enhance and continuously develop standard assembly processes and QC plans. Maintain high quality structural reliability, including but not limited to welding, riveting, bolt joining
- Participate and provide DFMA knowhow in the BIM design stage to enhance BIM modeling efficiency.
- Lead innovation on modular prefab method and component standardization, targeting to achieve Plug-and-Go, zero hot work on site and worker friendly design.
- 5 days work per week.

Requirements

- At least 4 years of experiences in mechanical design with Bachelor's degree or higher in Mechanical Engineering or relevant. Registered structural engineer is a plus.
- Proficient in 3-D CAD software like Creo, Solidwork or ProE is a must. Knowledge in BIM is a plus.
- Familiar with strength tests and certifications on welded or bolted joint and experiences on report submission.
- Experiences in core mechanical product design for robotic or automation applications are highly preferred.
- Experiences in steel structure design, manufacturing and assembly, quality assurance and site installation are preferred.
- Innovation experiences in universities, R&D institutes or other innovation teams are preferred.
- Able to do thermal and structural simulation using ANSYS or other FEA tools. Good command of geometric dimensioning and tolerancing (GD&T) skill.
- Independent, self-motivated and be able to handle multiple tasks.
- Candidate with less experience will be considered as Assistant Mechanical Engineer.



智建機械技術有限公司
CSC Robotic Engineering Limited
(A Subsidiary of Chinney Alliance Group Limited)

Application Procedure:

We offer an attractive remuneration package, training and good career opportunities to the right candidate. Interested parties are invited to send your application enclosing full resume stating career and salary history (either in Word format or PDF format) to the HR Department:

Email: sceehr@scee.com.hk

WhatsApp: (852) 9306-7864

Fax: (852) 2370-2073

(Applicants not invited for an interview within two months may consider their applications unsuccessful. All personal data collected will be used for recruitment purpose only.)