



Title: Mechanical Engineer, HVAC Design

Job Number: 25002

Location: Corning, NY

Corning is one of the world's leading innovators in materials science. For more than 160 years, Corning has applied its unparalleled expertise in specialty glass, ceramics, and optical physics to develop products that have created new industries and transformed people's lives.

Corning succeeds through sustained investment in R&D, a unique combination of material and process innovation, and close collaboration with customers to solve tough technology challenges.

Corning's Glass Technologies segment manufactures chemically strengthened cover glass, such as Gorilla® Glass® for the consumer electronics market and glass substrates for active matrix liquid crystal displays ("LCDs") that are used primarily in LCD televisions, notebook computers and flat panel displays.

Scope of Position:

Responsible for Precision HVAC Equipment Design within the Glass Melting and Forming Process, ranging from initial concept stage to final design approval and implementation, including fabrication and check-out at vendors, and follow-up to ensure that all quality, cost and safety requirements are met. Work includes support for plant expansions, along with continuous improvement projects and technology changes at equipment rebuilds/repairs.

Projects involved with: Display Technologies Process Environmental Design Process

Role within group:

- HVAC Mechanical System Design
- Project Coordination
- Project Management
- Individual Contributor on specific task or projects
- Project Leader on selective projects

Day to Day Responsibilities:

- Participates on project teams as an individual contributor or as a project task leader understanding the customer's requirements, developing project plans and schedule, developing scopes of work and cost estimates and supporting implementation for advanced manufacturing environments with precision HVAC equipment.
- Receive direction or guidance from a senior department member(s) to develop/strengthen process environmental engineering competencies.
- Responsible for interfacing with project managers, supervisor, process personnel, along with dept SME to insure correct technology is being scoped and installed.

- Enclosure design work using accepted good airflow management design principles and HVAC principles
- Review as needed troubleshooting and problem solving exercises for enclosure systems
- Migrate standard enclosure design specifications, qualification documents, and installation practices
- Manage external suppliers of enclosure related equipment in Asia, for detailed technical design or installation work as required.
- Support and provide ownership of enclosures as a process tool
- Lead/Participate in existing facility modification as well as new facility design to ensure design meets the goals of the process requirements.
- Maintain documentation integrity for all systems of responsibility
- Provide the project or task with sound innovative thinking, problem solving skills and customer focus.
- Conceptual design, detailed design, CAD drawing updates, presentation at design reviews, working with other designers and process engineers, interactions with plant sites, technical guidance on equipment, working with vendors on fabrication of equipment, and compliance with department standards and policies.

Travel Requirements: Approximately 50% travel, mainly in Asia.

Work Schedule: 40 hrs per week - periodic evening or morning conference calls, Work duration Project by Project Basis

Required Skills:

- Mechanical, Engineering skills/experience
- HVAC Design and Best Practices
- Clean room Design and Operations Understanding
- Controls Experience
- Understanding Thermal dynamics Design (Heat Transfer, Heat Balance)
- Data Analysis
- Project management skills

Desired Skills:

- Experience with CAD software
 - AutoCAD – 2D/3D – capable of standalone design and drawing experience
 - Solid Works – capable of reviewing drawings and models
- AHU Design experience
 - Capable of designing HVAC systems from concept to bidding
- Project leadership
 - Capable of interacting with plant operators, contract vendors and leading the installation of proposed mechanical systems
- Construction Management experience
- Plant manufacturing Experience
- Experience working equipment vendors

Soft Skills:

- Problem Solving Skills
- Communication and teamwork skills

- Independent work and self initiative
- Organization and planning of work
- English

Education and Experience:

- BS in Engineering (Mechanical preferred)
- 5+ years of experience in Mechanical or Equipment Design
- 5+ years of construction management experience

We prohibit discrimination on the basis of race, color, gender, age, religion, national origin, sexual orientation, gender identity or expression, disability, or veteran status or any other legally protected status.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE CONTACT JESSICA HACKER AT
HACKERJL@CORNING.COM**

OR

Apply online - <https://corningjobs.corning.com/job/Corning-Mechanical-Engineer%2C-HVAC-Design-NY-14830/465698000/>

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