



PR/096672 | Global Facilities and Construction Staff Architect

Job Information

Recruiter[JAC Recruitment Singapore](#)**Job ID**

1577993

Industry

Electronics, Semiconductor

Job Type

Permanent Full-time

Location

Singapore

Salary

Negotiable, based on experience

Refreshed

February 16th, 2026 10:36

General Requirements

Minimum Experience Level

Over 10 years

Career Level

Mid Career

Minimum English Level

Fluent

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

- Lead and define architectural design strategies for semiconductor facilities, including FABs, CUPs, Probe, Admin Building, and Miscellaneous Buildings.
- Develop conceptual designs, detailed plans, and specifications in compliance with Micron's global standards and local/international codes.
- Provide technical support during construction, including submittal reviews, evaluating GC-initiated changes, developing project modifications, and conducting QA/QC reviews of design documents (e.g., architectural plans, specifications, and calculations).
- Perform technical reviews of structural design work by A&E firms, GC design teams, and sub-consultants to ensure quality and compliance.
- Prepare architectural design, RFPs, design documentation reports, and develop architectural layout plans, specifications, and cost estimates for projects.

- Oversee layout, interior design, and space planning for FABs, CUPs, Probe, Admin, and Miscellaneous Buildings.
- Conduct field inspections during construction to verify compliance with scope, schedule, and budget.
- Apply International Building Code (IBC) for exiting, fire compartmentation, LEED, Green Mark, sustainability, occupancy, and building classifications.
- Design specialized cleanroom components, including raised floors, demountable walls, and ceiling grid systems.
- Ensure constructability in complex environments, minimizing disruptions near operating buildings.
- Lead alignment of facility design standards, construction project management practices, and O&M best-known methods (BKM).
- Perform regular field inspections and monitor projects to ensure adherence to Micron specifications, codes, regulations, and agreed scope, schedule, and budget.
- Validate cost estimates and construction schedules for architectural aspects of projects.
- Review and approve design drawings and specifications for completeness and accuracy.
- Evaluate architectural drawing submissions and supporting documentation to ensure design integrity.
- Review Autodesk and BIM 3D models for functionality, egress, maintenance accessibility, constructability, and clash analyses coordination with other engineering disciplines.
- Inspect construction and installation progress for conformance to established drawings, specifications, and schedules.
- Support all sites, including on-site presence for construction projects and resolution of critical architectural issues.
- Collaborate with consultants, contractors, and multidisciplinary teams to ensure timely, cost-effective project execution.

Site Master Planning (SMP) & Space Optimization

- Develop, propose, and collaborate with global and site teams to generate preliminary site master plan (SMP) concept designs for greenfield and brownfield projects aligned with company strategic goals.
- Collaborate with multi-functional facilities teams to identify opportunities for space planning optimization and establish standards for critical facilities, rooms and areas.
- Standardize and continuously improve facilities space management for critical systems, leveraging industry best practices and lessons learned.
- Assess and mitigate risks related to space constraints in brownfield projects by conducting clash checks during preliminary stages and providing support for project continuity.

Project Leadership & Strategic Alignment

- Lead design and construction of regional greenfield and brownfield projects in alignment with global standards.
- Collaborate with central sustainability, cost, construction, and line planning teams to ensure strategic alignment.
- Provide technical support for site projects, Alpha to Beta technology transfer, and sustainability initiatives.
- Review and approve site capacity expansion and sustainability CAPEX proposals.
- Evaluate priorities to enable business-driven decisions on Facilities Reliability Improvement project CAPEX.

Reliability & Strategic Program Support

- Provide architectural support for site improvement projects, including System Reliability Improvements, Quality Enhancements, and Equipment End-of-Life (EOL) replacements.
- Oversee regional efforts and identify opportunities to align strategic programs (e.g., BCP, Critical Specifications, Quality Defense Line).
- Support major Site Infrastructure Planning reviews and ensure architectural compliance.

Sustainability & Certifications

- Champion LEED and Green Mark certification processes for new and existing projects.

- Integrate sustainable design principles and energy-efficient solutions into all architectural plans.
- Support the network effort to implement, monitor and drive continuous improvement for success of Micron's Sustainability programs in alignment with the long-term Sustainability strategy.
- In depth, review of site sustainability projects and sustainability data monitoring to support sites and company's sustainability targets.
- Support sustainability projects achievement data acquisition and validation in central tracking depository.

Interior Design & Space Optimization

- Oversee interior design for cleanrooms, office spaces, and collaborative environments.
- Ensure ergonomic, functional, and aesthetic excellence in space planning.

Project Oversight & Coordination

- Manage architectural deliverables throughout design and construction phases.
- Collaborate with consultants, contractors, and multidisciplinary teams to ensure timely, cost-effective project execution.

Compliance & Standards

- Ensure adherence to local and international building codes, safety regulations, and Micron's internal standards.
- Manage permitting and regulatory approval processes.

Qualifications

- Education: Master's or bachelor's degree in architecture.

Experience:

- Minimum 10 years of architectural experience in industrial construction projects & minimum 5 year in Semiconductor and/or facilities related industry.
- Technical expertise, knowledge, and experience on building design and construction of Semiconductor Wafer Fab building and CUB building.
- Strong background in consulting and construction for fast-track large-scale semiconductor/industrial projects.

Skills:

- Proficiency in CAD software and BIM tools
- Expertise in semiconductor cleanroom design and high-tech manufacturing environments.
- Good knowledge and understanding of semiconductor manufacturing plants and local construction codes (preferably with fundamental knowledge of semiconductor manufacturing processes).
- Excellent interpersonal skills, strong collaboration and analytical abilities, ability to work independently, and proven team leadership experience.
- Ability to prioritize and schedule workload and work on multiple tasks concurrently.
- Ability to travel 15-25% of the time on average, but up to 30% of the time during Critical Project phases or Site Activities.

JAC Recruitment Pte Ltd

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EA Personnel Name: KASHMIETHAA V CHANDRAN

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Company Description