MEP cleanroom

Maximum Efficiency Projects LLC - Capability Statement - Silicon Valley, California

WHO WE ARE

Semiconductor fab MEP specialists for ISO Class 1-8 cleanrooms. MEP Cleanroom primes complete tool hook-up packages - process piping and plumbing at the core, with electrical and mechanical scopes integrated under a single point of responsibility, led by veteran fab foremen.

CORE SERVICES

- Process Tool Hook-Ups - UHP gas, DI water, PCW, exhaust and power for lithography, CVD, etch, CMP and diffusion tools
- HVAC & Airflow Systems - FFU installation, pressurization, mini-environments
- Ultrapure Water & Chemicals - PVDF / PP piping, DI loops, point-of-use filtration
- Electrical & Power - MV distribution, UPS, isolated grounding
- Exhaust & Abatement - acid, solvent / VOC and toxic-gas systems

WHERE THE VALUE SITS IN A TOOL HOOK-UP

Process pipe & plumbing ~ 60% - Electrical ~ 20% - Mechanical ~ 20%. One accountable crew owns the whole package - no finger pointing between trades.

SAFETY & COMPLIANCE

OSHA 30 leadership - NFPA 70E - SEMI S2 / S8 on all installations - ISO 14644 cleanroom protocol (Class 1-8) - full cleanroom gowning, particle-count verification pre- and post-installation - BIM / 3D coordination before any field work.

PRINCIPAL-LED EXPERIENCE

Principal Mahmoud Jajarmi, MEP Project Manager: 25+ years in construction, including ~10 years of specialized cleanroom and MEP work in the US. That experience was built on major programs including Santa Clara Valley Medical Center, Intel fab tool installations in Santa Clara, and Lam Research in Fremont. B.Sc. Civil Engineering; OSHA 30, CQM, NFPA 70E.

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24/7 on-call engineering support - Silicon Valley, California