

# PROJECT EXPERIENCE: MICROELECTRONICS

**Name:** OSRAM Process Expansion

**Location:** Penang, Malaysia

**Owner:** OSRAM Penang



## Project Services

- 11 types of chemical piping: 2 kilometers of PVC/PFA double containment
- 5 types of solvent piping: 1 kilometer of SS 316L EP tubing
- 5 types of bulk gas piping: 2 kilometers of SS316L EP and BA tubing
- 6 types of specialty gas piping: 1 kilometer of SS316L EP tubing
- 5 types of solvent waste piping: 1 kilometer of SS304 piping
- 5 types of chemical waste piping: 2 kilometers of GF double contained system
- Clear PVC/PVDF and Clear PVC/PP with PE outer “Y” tee system
- DI water supply and return –1 kilometer of PPH piping

*Scope also included site project coordination with all services based on: piping category –dry and wet bay; priority –slope requirement and equipment needed; and access requirement – maintenance.*