

Wel come to He ml ock Semi conduct or

He ml ock Semi conduct or (HSC) produces thousands of tons of ultra-pure polysilicon that is used to make semiconductor chips and solar cells

Interactive demos on Display:

- **Process Simulation** to demonstrate how we build a process and integrate the pumps, instruments and control systems to monitor and operate a process.
- **Electrical Disconnect** to demonstrate how electricity is turned on and off to individual systems and one of the tools we use, Thermal Imaging to identify heat sources.
- **Renewable Energy models** to demonstrate solar power.

Occupations demonstrated by the demos:

Millwrights - Install and repair machinery and equipment	Electricians - Install wiring and connect to power source
Chemical, Electrical, Mechanical, Civil Engineers - Design & engineer the process and equipment needed to make a product.	Instrument Technicians - Install and maintain instruments that measure pressure, temperature, flow etc.
Pipe Fitters and welders - Install the piping and valves, build piping systems, fabricate supports, weldments, repair vessels	Process Control Engineers & Technicians - Specify and maintain control system components and programming required to run processes and equipment.
Process Operators - monitor and run the process. Operators also perform minor maintenance on their process.	Designer/Draftsman - Uses CAD to design the process.
IT Professionals - manage systems that are integrated throughout our company that Control Processes, enable Communications, manage Cyber security, Collect Process Data, manage Business Information such as Warehousing, Accounting, Production Scheduling, Maintenance Scheduling.	

Other professions employed at He ml ock Semi conduct or

Logistics Professionals, Chemist, Environmental Professionals, Procurement Specialist, Accountants, Human Resource (HR) Professionals, Project Managers, Sales Professionals, Application Engineers, Lab technicians, Communications Professional, Automation Engineers, Process Engineers, Construction Support, Other Skilled Trades not listed above (Refrigeration (HVAC) & Multi craft), Technology Specialists, Lawyers, Government Affairs, Safety Professionals include (Firefighting, Security, Process Safety)