

**Procurement Title\*** Silicon Fabrication Facility Life Extension (SiFab)

**Statement of Work\*** This RFI is to determine which companies are qualified to compete in a formal Request for Quote (RFQ).

Be advised that Sandia will not issue your organization an RFQ unless you submit clear and convincing information that your organization has the necessary relevant experience and can fulfill the requirements of the statement of work. If you do not adequately address each of the selection criteria of this RFI, and the SCR does not have information indicating otherwise, the presumption will be that your organization is not a viable competitor.

Submissions shall be no more than 3 pages in length and shall be emailed to the SCR at [cmturme@sandia.gov](mailto:cmturme@sandia.gov) or mailed to:

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**Background and Scope**

SNL's Silicon Fabrication Facility (SiFab) was built in 1987 as a Type II-N per 1985 Uniform Building Code (UBC) standards. SiFab was designed in accordance to the "Draft Green Book," which is for Hazardous Semiconductor Fabrication. The occupancy classification was B-2, per the 1985 UBC. The 2009 International Building Code (IBC) would evaluate this facility as Type II-B construction with an occupancy classification of H-5. The current building houses offices, laboratories, and Class 10 clean room space; however, some sections test at Class 1. SiFab is capable of processing 6-inch wafers.

The SiFab facility is within two years of its design life of thirty years. As a result multiple utilities and infrastructure are nearing their capacity and end of their design life. In addition the tools used in processing are beyond life cycle, at capacity and energy intensive.

Based on this information, SNL is seeking Contractors for the purpose of supporting a life extension project to extend the life of SNL's SiFab facility through 2022. The Contractors will be given individual scopes of work to bid. These scopes of work will be the product of the Phase II Design. Work will include: demolition of walls, ceilings and utility systems; removal of existing tools/equipment; construction of new walls, raised floors, utility systems, tool installs. Utility installations may include high purity piping, clean room fans, ductwork, filter banks, compressed air and process gases (some highly hazardous/flammable), and waste systems. There also may be some structural work in the interstitial spaces.

**Mandatory Requirements\*** Mandatory Requirements (Contractor must demonstrate satisfaction of all mandatory requirements through a short description; i.e. license numbers, OSHA scores, etc.):

- a. Have a current, valid Mechanical license
- b. Have a current, valid Business license
- c. OSHA Incident Rating (TRCR) for mechanical contractor as well as subcontractors (known

at the time of RFI) at or below industry standard of 4.7 for 2010

d. Experience Modification Rating (EMR) of less than or equal to 1 for the previous three years starting in 2008 for mechanical contractor as well as subcontractors (known at the time of RFI)

e. No fatalities or OSHA violations

f. Experienced personnel in high-purity piping - not less 3 years of experience per person

g. Ability to bond for individual purchase orders in which the value is approximately \$2 Million