



Polestar specializes in risk and liability reduction solutions for high-hazard work environments while providing end-to-end support and reducing long term costs.

We provide solutions to the most difficult challenges for our commercial and government clients. Meeting client expectations and value for money are a priority.

→ **Air Quality and Permitting**

- Air dispersion modeling
- Air quality compliance
- Air monitoring plans
- Notice of Construction applications and license revisions
- Best Available Control Technologies for emissions abatement
- CAP-88, AERMOD, MicroShield

→ **Environmental Management**

- CERCLA, RCRA, and TSCA regulations
- Regulatory interface and support
- Sampling and analysis plans
- Waste characterization
- Waste management plans

Experienced environmental and waste management personnel with > 200 years of collective experience

- >100 air emissions/compliance evaluations performed
- >100 technical documents authored
- Clients include DOE Contractors, waste generators/projects, and waste repositories

→ **Surveillances and Assessments**

- Field surveillance programs
- ISMS assessment programs
- ConOps assessment programs
- Independent Performance Assessment
- Operational oversight and assessments for nuclear power generation facilities

Developed and implemented an ISMS surveillance program for a DOE prime contractor:

- 42 functional work groups observed
- >25,000 hours field surveillances
- >2,500 employees interviewed and/or observed

DELIVERING SOLUTIONS TO REDUCE ENVIRONMENTAL RISK



Our History



Polestar Owners: Kathy Miller and Bill Bailey

Polestar brings 30 years of experience and expertise to its government and commercial clients in the services it provides and the projects that it manages, helping elevate Polestar clients to achieving excellence.

Our projects include nuclear and non-nuclear high-hazard facilities, energy facilities, contaminated sites and disposal sites including reprocessing facilities, fuel manufacture, burial grounds, waste sites, and hot cells, among others.

**Risk management tools to
address complex design and
operations of large engineered
systems**

**Industry recognized air
permitting and emissions
analysis capabilities**

**Leveraging a unique and broad
range of capabilities and
experience to deliver results for
environmental restoration
projects**



Nuclear Safety

- Safety Design Strategy documents
- Radiological source term determinations
- Documented Safety Analysis
- Initial / final hazard categorization determinations
- Nuclear safety accident analysis calculations
- ALARA work plans
- Address changing conditions associated with decommissioning
- Historical inventory development

- >12 final hazard categorization (FHC) and document safety analysis (DSA) documents authored/co-authored
- Authored Chapter 12 (Radiation Protection) for the design certification FSAR and supporting radiation shielding calculations for an EPR Nuclear Power Plant



Operations Management

- Start-up, surveillance, operations, environmental, engineering, nuclear safety and waste management
- Program development and maintenance
- Project management
- Conduct of operations
- Management team building
- Risk management

Systematic and graded approach to optimize and prepare each facility life cycle stage



Requirements Management

- Commitment tracking and management system
- Requirements-based analysis and implementation



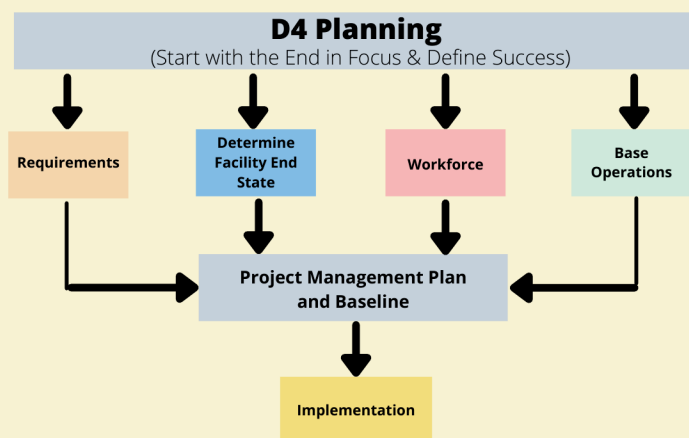
Deactivation and Decommissioning

- Project management
- Decommissioning alternatives analysis
- End state strategies
- Baseline planning and estimating
- Ramp down of base operations



Phoenix Architect 2.0: CAFTA Technology Package

CAFTA is an industry risk management leader in fault tree analysis for large, complicated, or multi-user collaborative projects. CAFTA allows the user to build, quantify, and analyze fault tree models of any size or complexity. This product incorporates EPRI Technology. Polestar is a 3rd Party Licensor on behalf of EPRI.



HOW TO REACH US



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U.S. Small Business Administration

WOSB CERTIFIED

OUR NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) CODES:

- 541620 - Environmental Consulting Services
- 541611 - Administrative Management and General Management Consulting Services
- 541330 - Engineering Services
- 541618 - Other Management and Consulting Services
- 541690 - Other Scientific and Consulting Services
- 541990 - All Other Professional, Scientific and Technical Services
- 562910 - Remediation Services
- 423430 - Computer and Computer Peripheral Equipment and Software Merchant Wholesalers
- 513210 - Software Publishers
- 541511 - Custom Computer Programming Services

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