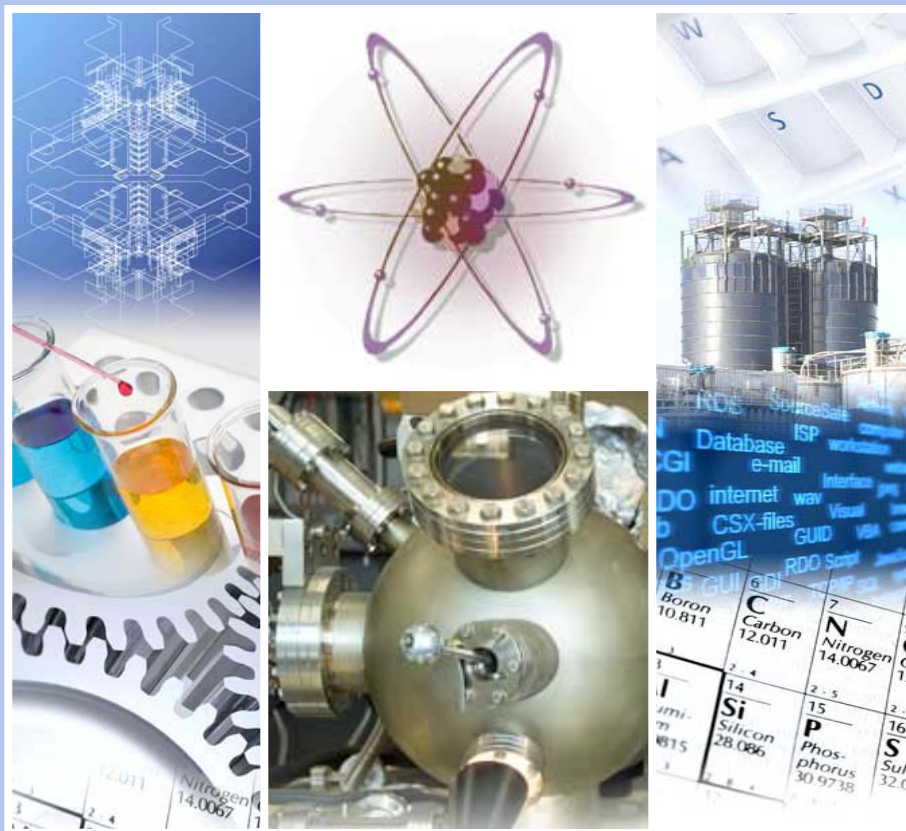




KNOWLEDGE – EXPERIENCE – TRUSTED PARTNER



CORPORATE CAPABILITIES

P.O. Box 988 • 1475 Central Avenue, Suite 250 • Los Alamos, NM 87544 • ph 505.988.1726 • fax 505.988.7656
20251 Century Boulevard, Suite 440 • Germantown MD 20874 • ph 301.515.1350 • fax 301.515.7191



CORPORATE PROFILE

What We Do

TechSource, Inc. provides expert technical and management services to organizations that are responsible for developing, implementing, operating, and managing high technology programs and projects. We specialize in nuclear and atomic sciences, strategic nuclear materials, nuclear fuels, particle-accelerator physics and engineering, program and project management, systems engineering analysis, business case analysis, and ancillary technologies. TechSource activities include extensive science and engineering consulting services to national laboratory, university, and commercial projects; program management support to federal organizations responsible for high technology programs, expert witness support, and in-house accelerator component design and fabrication projects.

Who We Are

Our resource pool includes over 500 senior, highly experienced scientists, engineers, and other professionals from national laboratories, federal technology programs, and the nuclear industry. Many are recognized experts and leaders in their field. Our personnel have thousands of man-years of experience in scientific, engineering, technical, and management disciplines associated with the entire nuclear material life cycle such as basic nuclear research, materials research, facility design and operations, weapons, material disposition, and systems and operations analysis. Their experience is drawn from work with particle-accelerator design and operation, nuclear power plants, nuclear materials technologies, nuclear and industrial facilities, national laboratory projects, enterprise-wide and operational-level information technology programs, and systems integration. Our staff averages 30+ years of experience and has educational qualifications of 50% doctorates, 35% masters, and 14% bachelors.

Our Project Approach

Step 1: Clearly understand the requirement – We always start with a discussion with the customer to gain greater definition and ensure we clearly understand the services required, expectations, interfaces, and constraints.

Step 2: Assign the right resource – Our work is all about people and engaging the right people for the assignment. At all times we make sure the technical expertise is correct and current, and the experience is relevant. We are fortunate to be able to provide experts that are well known and, in many cases, nationally recognized. Since the right resource is sometimes outside our organization, we easily reach out and obtain that resource.

Step 3: Execute - We predominately provide both project support and independent assessment services. For project support work, we fully integrate into the clients' project teams to ensure that our activities and products are integrated with the rest of the project. For assessment work, we establish a relationship with the client that gains us the appropriate access and insight for a credible assessment while retaining our objective, independent viewpoint. In both cases, we are able to deploy into central locations to work in focused team environments or in a distributed fashion from remote locations.

Our Location

TechSource is headquartered in Los Alamos, New Mexico, and we have an office in the Washington, D.C. metro area. We conduct work nationwide, and we try to co-locate with clients to the greatest degree practicable to maximize communication and responsiveness.

Contact

V. Brian D'Andrea, President
Los Alamos, NM
505-988-1726
bdandrea@techsource-inc.com

Donald G. Trost, Executive Vice President
Germantown, Maryland
301-515-1350
dtrost@techsource-inc.com

CUSTOMERS

- AccSys Technology, Inc.
- AOC Petroleum Support Services, LLC
- Argonne National Laboratory (ANL)
- Burns & Roe Enterprises
- Brookhaven National Laboratory (BNL)
- Defense Advanced Research Projects Agency (DARPA)
- Department of Energy (DOE)
- DOE Offices of Science (SC)
- DOE Nuclear Energy (NE)
- DOE Fossil Energy (FE)
- DOE Environmental Management (EM)
- DOE Office of Engineering & Construction Management (OECM)
- Fennemore Craig, P.C.
- Fermi National Accelerator Laboratory
- General Atomics
- Hadron Systems, LLC.
- Holtec International
- Idaho National Laboratory (INL)
- Indiana University Cyclotron Facility (IUCF)
- Industrial Research Ltd., NZ
- Intellectual Ventures Management, LLC
- International Isotopes, Inc.
- Lawrence Berkeley National Laboratory (LBNL)
- LATA/Parallax Portsmouth, LLC
- Linde-Kryotechnik, AG
- LINAC Systems
- Los Alamos National Laboratory (LANL)
- Mele Associates, Inc.
- Michigan State University
- National Aeronautics and Space Administration (NASA)
- National Energy Technology Laboratory (NETL)
- National Nuclear Security Administration (NNSA)
- Oak Ridge Associated Universities (ORAU)
- Oak Ridge National Laboratory (ORNL)
- Owen-Bird Law Corporation
- Pacific Northwest National Laboratory (PNNL)
- Parsons Infrastructure & Technology Group, Inc.
- Phoenix Nuclear Labs, LLC
- Project Time & Cost, Inc. (PT&C)
- Princeton Plasma Physics Laboratory (PPPL)
- Research Partnership to Secure Energy for America (RPSEA)
- Sandia National Laboratories (SNL)
- Science Applications International Corporation (SAIC)
- Sigma Science
- Systems, Planning & Analysis, Inc. (SPA)
- TRIUMF
- University of Arizona
- University of Chicago
- University of Texas
- U.S. Air Force Research Laboratory (USAFRL)
- Visual Editor Consultants (VisEd)

SUMMARY OF EXPERTISE

TechSource provides expertise covering the entire nuclear material management life cycle. Our experience spans the extreme ends of the life cycle from basic research into the structure of nuclear reactions and the physics at the atomic level to planning and engineering of nuclear material disposition. We are particularly adept at integrating science and engineering expertise with management experience. Our expertise includes:

NUCLEAR SCIENCE & ENGINEERING	ACCELERATOR SCIENCE & TECHNOLOGY	MANAGEMENT CONSULTING & SUPPORT
Nuclear Physics	Accelerator Physics	Business Case Analysis
Nuclear Applications	Accelerator Structures	Systems Engineering
Materials	Cryogenic Engineering	Program Planning
National Programs	Beam Dynamics	Project Integration & Control
Nuclear Chemistry	Radio-Frequency Systems	Quality Assurance
Reactor Operations	Accelerator Engineering	Cost Estimation
Facility Design	Targetry	Strategic Planning
Safety Design & Assessment	Modeling & Simulation	Physical Security Assessment
Separations	Accelerator Operation	Program/Project Assessment
Reactor Design	Technology Evaluation	IT Enterprise Planning
Fuels Design	Hydrodynamics	IT Planning & Management
Nuclear Engineering	Ion Source Science	Process Management
Detectors	Ion Source Technology	Lean Principles & Tools
Space Applications	Electron Cloud Dynamics	Project Troubleshooting
Radiations Effects	Linac Science	Policy Analysis
Life-Cycle Management	Linac Technology	Acquisition Research
Waste Streams	Fabrication Support	Regulatory Analysis
Policy Analysis	Applications	Project Control Systems

NUCLEAR SCIENCE AND ENGINEERING

Nuclear Physics and Applications

TechSource has across-the-board experience and capabilities in low- and high-energy nuclear physics and its applications. We can evaluate neutron cross-sections and use advanced neutronics codes and cross-sections libraries. Example efforts include development of a gamma-ray detector for the NASA Mars mission and assessment and study of particle accelerators for the sterilization of medical instruments and supplies, the sterilization of food (fruit and meat), and the treatment of wood products. TechSource is fully qualified to examine the health effects of ionizing radiation and to apply that knowledge to the design of biological shields and personnel protection. In addition, we assist with the development of radioactive production targets and isotope sources.

Nuclear Fuels and Strategic Nuclear Materials

A number of our staff, consultants, and collaborators have dedicated their entire careers to all aspects of production, handling, storage, and transportation of nuclear fuels and other nuclear materials. We have handled most primary and ancillary policy, management, and technical issues. Our deep and broad expertise includes waste-stream handling and long-term storage; plutonium and actinides chemistry; tritium chemistry; tritium production; reactor operations; tritium extraction and handling; uranium handling; and nuclear facility design, construction, management, operation, and maintenance.

ACCELERATOR SCIENCE AND TECHNOLOGY

Accelerating Structures

TechSource can design and analyze radio-frequency quadrupoles, drift tube linear accelerators, and coupled cavity linear accelerators. We use SUPERFISH code for structural design and analysis. In addition to the physics design of accelerating structures, we also provide mechanical design and thermal-hydraulics analysis of radio-frequency cavities using codes such as ALGOR or COSMOS. TechSource mechanical design uses AutoCAD to develop layouts and mechanical drawings.

Beam Dynamics

TechSource is familiar with all aspects of the design and analysis of beam transport, propagation, and acceleration in structures, using design codes such as PARMILA, PARMTEQ, TRACE-3D, and TRANSPORT. Our expertise includes modeling of space-charge effects, beam-loss analysis, beam shaping, and transport to target, etc. Our beam-transport modeling includes the study of systematic and random errors in components off-tolerances as it affects beam performance and resulting beam losses.

Radio-Frequency Systems

TechSource is familiar with all aspects of the design, procurement, installation, and operation of high-power radio-frequency systems, from low-level to high-power amplifiers and power conditioning to transmission lines, windows and couplers, and low- and high-level phase and amplitude controls.

Accelerator Technologies and Engineering

Our engineers bring to bear their unique expertise for the mechanical and electrical engineering required for system design, magnets and power supplies design using POISSON and PSPICE, vacuum systems design, cryogenic systems design, metrology, and control systems.

Targetry

TechSource offers expertise in dealing with the problems of high-power accelerator targets such as thermal-hydraulics, neutronics and secondary particles production, neutron transport, radiation shielding design, activity and waste management issues, and other concerns. We can examine neutron transport and activation using LAHET and MCNP codes. We also have direct access to the latest neutron cross-section libraries at the Brookhaven National Laboratory Cross-Section Center.

Accelerator Commissioning and Operation

We are uniquely capable of providing experts who have hands-on experience with commissioning and operating accelerators. Commissioning includes planning, building, and startup; operating includes setting up round-the-clock operations, planning preventive maintenance, and overseeing the spares inventory.

MANAGEMENT CONSULTING AND SUPPORT

Program Management and Project Integration

The TechSource staff possesses a strong background in all aspects of program and project management of large and small federal, high-technology programs. We focus on the integration of technical domain expertise and management experience. Our expertise was acquired over several hundred man-years of experience in design, construction, and operation of nuclear power plants, nuclear infrastructure projects, and nuclear science programs and projects. Through our access to uniquely qualified resources, we have a proven record of strong leadership and experience in strategic planning, project planning, staffing, budgeting, cost control, scheduling, program/project assessment and review, quality control, business process improvement, and policy and regulatory analysis. We excel in troubleshooting and providing guidance and assistance to managers with problem organizations and projects.

Business Case Analysis and Cost Estimation, Analysis, and Assessment

TechSource provides cost estimation and assessment services to our customers in the manner of independent cost estimates, cost reviews, cost assessments, and cost systems support. TechSource delivers a well-developed, credible, useful cost analysis that is grounded in reality. We know that projects that involve high technology systems, experiments, or facilities require both cost analysis expertise and an understanding of the technology involved to set the context of the estimate. This is where our unique ability to provide cost estimating professionals (cost estimators), linked with technical subject matter experts (scientific, engineering, and management) achieves credible cost analysis. We assign a savvy pool of cost estimator professionals, include scientist or engineers knowledgeable of the technology, and fold in technology project managers that fully appreciate the sponsor's program challenges. TechSource also provides sophisticated cost analysis support in the way of cost system analysis using cost trending, cost modeling, and systems analysis.

Systems Engineering and Integration

The "system" is an integrated composite of people, mission (products), and the processes that connect them. Systems Engineering and Integration (SEI) is a structured and disciplined strategic planning and execution approach to meet customers' needs and expectations. TechSource SEI services include:

- Problem Definition
- Functional Analysis
- Requirements Management
- Alternatives Evaluation
- Risk Management
- Strategic Planning
- Domain-Systems Integration
- Decision Analysis
- Life-Cycle Management

Our approach involves clearly defining the mission or problem, identifying system functions and requirements, assessing and managing risk, establishing bases for informed decision making, and verifying that products and services meet customer needs. Or, the process of: *what - how well - when & how - how much*. Once each system is engineered using the systems engineering approach, the systems integration process helps the various systems or diverse parts of a program or a project work together. SEI is an enterprise approach, it is interdisciplinary, and it applies throughout the life-cycle of a process or program.

Quality Assurance

Our quality assurance (QA) staff members are experts in applying QA in the DOE complex, in evaluating and assessing organizational quality processes, and in assisting technical teams in implementing QA programs. TechSource provides a team of QA subject matter experts and technical staff to create QA infrastructure, systems, and processes to achieve compliance with governing regulations and directives (i.e., CFRs, DOE Orders, NQA-1, and QC-1), while customizing the QA program so that it is efficient, relevant, and useable. It will then directly contribute to mission accomplishment.

Technical Communications

Our technical writers and editors each have over 20 years of experience documenting high-technology projects and large, complex systems, including linear accelerators and radio-frequency systems. They are equally adept at paper and on-line documentation using a variety of software programs and media.

Information Management and Technology

As an outgrowth of our successful program and project management practice, TechSource developed a cadre of staff members who assist clients with federal organization, program, and project management specifically focused on Information Management and Information Technology. Our lead staff members each have over 30 years of experience in federal organizations and programs. TechSource can successfully address subject matter such as IT organization development, knowledge management, code writing, IT applications, network operations design, and hands-on IT operations.

Acquisition Research and Analysis

TechSource provides acquisition and procurement support in the areas of major acquisition planning, development of process improvement; development of requirement statements and specifications; development of acquisition strategies; conducting market research; and in-depth analysis of proposal development requirements including preliminary requirements-driven proposal outline review.

OUR STAFF

Our product is the combined effort of people! At TechSource we understand we are only as good as the people that associate with us. We are mindful of this in every engagement and with each person. Clients have come to expect from TechSource not only technical resources, but industry leaders in technical areas and in technical management. Nothing illustrates our capabilities better than the over 500 people that make up our cohort. Here's a sample:

Name	Degree	Experience
Alberstein, David	M.S.	Nuclear Engineering; Power Engineering, Nuclear Materials, Reactor Design, Fuels, Non-Proliferation, Regulatory Compliance, ES&H
Anderson, Jim	Ph.D.	Nuclear Chemistry; Tritium SME; Former Director of the National Ignition Facility (NIF) Project and the Accelerator Production of Tritium (APT) Project
Baginski, Thomas	Ph.D.	Electrical Eng.; Miniaturization of Electronic Circuitry, Electrochemical Applications, Detonator Design
Beckner, Everett	Ph.D.	Physics; Nuclear Weapons Complex, Nuclear Science, Former Head of NNSA Defense Programs
Bedker, John	M.A.	Business Analysis; Organization Development & Transformation, Management
Bergeron, Peter	B.S.	Mechanical Engineering; Cost Engineering & Estimating, Construction Management
Berkey, David	M.A.	Economics; Business Case Analysis; Cost Estimation; Safety; QA; Organization/Policy Analysis
Bernier, John	B.S.	Civil Engineering; Federal Gov't Infrastructure & Facilities Policy and Management; Former Federal Project Director; Security & Transportation of Nuclear Material; Planning
Bertell, Tom	M.S.	Technical Management, Chemistry; Environment, Project Management, DOE Order 413.3 & EVMS
Billen, Jim	Ph.D.	Physics; Particle Accelerator Design and Modeling, Code Development
Boggs, Ben	M.S.	Electrical Engineering; Nuclear Facilities Design, Construction, Operations; DOE Project Management
Browne, John	Ph.D.	Physics; Former Director of Los Alamos National Laboratory, Accelerator Science
Bulmahn, Kenneth	B.S.M.E.	Safety Analyst, EISs, SARs, DSAs, USQs, Risk Assessments, NRC SARs, Accident Analysis, Safety Basis, Compliance Assessment, Licensing
Butler, Tom	M.S.	Aerospace; Space Flight Systems, Seismic and Structural Analysis, Nuclear Facilities Safety
Cantor, Howard	M.S.	Naval Engineering; National/International Nuclear Policy, Nat'l Nuclear Programs; Nuclear Engineering
Cappiello, Charlene	B.S.	Applied Math.; Nuclear Engineering, R&D Mechanical Design Critical Experiments, Reactor Operator
Cappiello, Michael	M.S.	Mechanical Engineering; Nuclear Engineering, Fast Reactor Design, Reactor Safety, Reactor Design/Analysis, Space Applications, Fuels, Transmutation, Large Scale Program Integration
Cionek, Frank	B.S.	Industrial Technology; Quality Assurance/Management; Environmental Policy Analysis; Litigation Support; Operations Qualification, Software QA
Clausen, Max	MBA	Nuclear Engineering; Federal Projects Management, NRC, Project Controls
Cliche, Carl	M.S.	Chemistry; Nuclear Fuels, MOX-Pu-Be, Technology Strategy
Crandall, Ken	B.S.	Physics; Linear Accelerator Computational Simulation, RFQ Design, PARMTEQ, Modeling
Crane, Mike	Ph.D.	Chemical Engineering; Nuclear Facilities and Operations, Safety Engineering and Design
Crawford, John	Ph.D.	Physics; Weapons Design, Nuclear Simulation, Power Systems, Former Deputy Director of Sandia National Laboratories
Criscuolo, Al	M.S.E.E.	Control Systems; Data Acquisition/Control System Hardware/Software Design; Digital/Analog Design
Croley, Bob	M.S.	Nuclear Engineering & Operations; Project Controls, Safety Basis, Design Authority, Licensing
Curtiss, Joseph	M.S.	Electrical Engineering; High Power Electrical Safety, MCP&A, Instrumentation
Coward, George	B.S.	Mechanical Engineering; Nuclear Facility Management, Large Scale Project Controls
Dam, Scott	M.E./MBA	Mechanical Engineering; PE Cert., Nuclear Fuel Cycle; Generation, Spent Fuel, and Waste Facilities

Name	Degree	Experience
D' Andrea, Brian	M.E.E.	Environmental Engineering; Systems Analysis, Program Management, Organizational Evaluation, Emergency Preparedness, Lean Manufacturing, Large Scale Program Planning; DoD Major Systems Acquisition
Datres, Shawn	Cert.	Special Forces; Physical Security Planning, Assessment, Response; Material Protection Control and Accounting; Russian Language
Dow, Jerry	M.S.	Mechanical/Aeronautical Engineering; Nuclear Weapons Design, Engineering, & Testing, Accident Response, Dismantlement, Safety
Drake, Darrell	Ph.D.	Physics; Experimental Nuclear Physics Applied to Accelerators and Space Exploration, NASA
Edwards, Jack	M.S.	Mechanical Engineering; Nuclear Safety; Authorization Basis, NEPA
Englehart, Richard	Ph.D.	Nuclear Engineering; Nuclear Safety, Policy, Analysis, and Reqs., Authorization Basis; DSAs, TSRs, USQ, DOE Safety Stds, ISMS, Design Criteria, DOE-STD-1189
Erickson, Dennis	Ph.D.	Physics; Pulsed Power/Magnetic Fields, High-hazard Facilities; ES&H; Policy Support, Weapons Technology, National Laboratory Operations
Flannery, Stephen	M.S.	Civil Engineering; Energy Industry, Cost Engineer, Estimating, Analysis, & Controls
Frazier, Don	M.P.P.	Chemistry, Public Policy; Organization Evaluation & Development, Systems Analysis
Freedman, Jerry	Ph.D.	Theoretical & Applied Mechanics; Strategic Weapons Safety/Security/Reliability; Pu Technologies; Large Scale National Defense Programs
Garner, Frank	D.Sc.	Nuclear Engineering; Nuclear Mat'ls/Radiation Damage; Int'l Nuclear Matters; Consequence Analysis
Gears, Jerry	M.S.	Biological Science/Systems Ecology; Nuclear Plant/Facilities Licensing Project and Program Manager; NNSA ES&H, QA, and SEAB; former NRC Sr. Operating Project Manager
Grand, Pierre	Dipl. Eng	Accelerator Physics; Linear Accelerator Design and Systems; Project Management
Grant, Stephen	M.S.	Electrical Engineering; Miniature, High Voltage/High-Energy Fire Sets; Micro-circuitry, Testing
Grissom, Milt	M.S.	Mechanical Engineering; former LLNL Site 300 Manager; Weapons Engineering, Testing, Evaluation
Grunder, Herman	Ph.D.	Physics; Former Director of Argonne National Laboratory
Guidice, Stephen	M.S.	Engineering/Management Science; Strategic Weapons Complex; NEPA; Nat'l Programs Management
Haeckel, Ron	MBA	Mathematics; USAF Flag Officer; Major Programs Planning; Nuclear Programs Planning
Hendricks, John	Ph.D.	Nuclear Engineering; Monte Carlo N-Particle Transport codes, MCNP/MCNPX; Large-Scale Computation, Neutron, Photon, and Electron Particle Transport, Radiation Shielding, and Nuclear Data.
Hopkins, John	Ph.D.	Physics; Nuclear Weapons Programs, Arms Control & Disarmament
Hsu, Hsiao-Hua	Ph.D.	Nuclear Physics; Science, & Health Physics
Immele, John	Ph.D.	Nuclear Chemistry; Nuclear Weapons Programs, National Security/Nonproliferation SME, Former Deputy Director of Los Alamos National Laboratory
Jardine, Les	Ph.D.	Nuclear Engineering; Nonproliferation/Arms Control, Nuclear Fuel Cycle
Jason, Andrew	Ph.D.	Physics; Linear Accelerator Design, Muon SME
Johnson, Bob	Ph.D.	Material Science; Nuclear Systems Materials, Space Power Systems
Johnston, Paul	A.D.	Science; Special Forces Operations, Physical Security; Vulnerability Assessments, Security Efficiency Assessments, Simulation and Exercises, WMD Training
Joseph, Rich	Ph.D.	Physics; High Technologies Program Development, DOE/NASA/DoD, Remote Sensor Development
Kaczynski, Don	Ph.D.	Minerals Processing & Metallurgical Engineering; Nationally Recognized Beryllium SME
Kelley, Patrick	M.S.E.	Mechanical Engineering; Cryogenic System and Component Development, Design, Fabrication, Installation, Commissioning and Operation; Accelerator Applications
Kelly, Bill	B.S.	Nuclear Engineering; Nuclear Plant Ops, Federal Project Management & Analysis, QA, Fuels & Targets

Name	Degree	Experience
Kindinger, John	M.S.	Management of Tech.; Mechanical Engineering; Quantitative Risk Analysis Methodology and Application; Nuclear/Non-Nuclear Power Plant Design/Construction; Systems Engineering
Klein, Steve	M.S.	Physics; Systems Engineering; Complex Computer Control/Monitoring System Design; Product Assurance, Safety, Integrated Logistics Support, Life Cycle Costing; Technology Transfer/Insertion;
Klosterbruer, Shirley	M.S.	Computer Science; Software/Instrumentation Development, Int'l Safeguards, Systems Integration & Installation, Linac Instrumentation, Remote Instruments
Knapp, Malcolm	Ph.D.	Chemical Engineering; Nuclear Safety, Waste Management, Licensing, Emergency Preparedness; Former NRC Deputy Executive Director
Kraushaar, Phil	Ph.D.	Physics; Planning, Construction, Installation, Licensing of Particle Accelerators; Project Management; EVMS
Krupa, Dana	M.A.	Nat'l Security, Architecture, PMP, R&D Oversight, Congressional Affairs, DNFSB Liaison, Nuclear Weapons Complex, Facilities, Cost Assessment, Project Management
Lawrence, George	Ph.D.	Nuclear Physics; Linear Accelerator Design SME, former Deputy Director of the Accelerator Production of Tritium Technology Project Office
Lopez, Thomas	A.D.	Electronic Engineering Tech.; Electronic Design, Production, Fielding, Testing, and Commissioning of Instrumentation and Control Systems, Detectors, Trigger Systems, and Experiments
Macek, Robert	Ph.D.	Particle Physics; Accelerator Physics & Technology; Atomic and Particle Physics; Beam Dynamics and Transport; Accelerator Facilities
Massey, William	Ph.D.	Mechanical Engineering; Nuclear Safety Analysis, Material Transportation, Reactor Analysis
Mausshardt, Don	M.E.	Chemical Processing/Civil Engineering; NRC Licensing SME, former Chief of Staff for EPA Administrator
McBride, Curt	LLM/JD	Law; Mechanical Engineering; former Chief Counsel National Energy Technology Laboratory (NETL)
McDuff, Glenn	Ph.D.	Physics; P.E. Cert; Electrical Eng.; Weapons Surety/Response; High Voltage/Pulse Power; Elec./Mech. Design
McKenzie-Wilson, Ray	M.E.	Mechanical/Electrical Engineering; Design/Construction Prototype Beam Capture, Accel. Cavities/Systems
McLaughlin, Tom	Ph.D.	Nuclear Engineering/Physics; Criticality Safety and Assessment, Emergency Response
Molvig, Kim	Ph.D.	Physics; Physical Processes Modeling & Simulation, Weapons Physics, Magnetic Fusion
Monetta, Domenic	Ph.D.	Public Administration, Chemical Engineering; former DoD Deputy Director, Defense Research & Engineering; former DOE Director, New Production Reactors
Moseley, Charles	M.S.	Nuclear Engineering; Nuclear Safety SME; QA/10 CFR & NQA-1 SME; DOE M&O Ops.; Reg. Compliance
Newman, Frank		Budget Formulation & Analysis, Asset Management, former Office of Advanced Nuclear Research
Nickell, Robert	Ph.D.	Engineering Science; Nuclear Technology, Safety, & Licensing; Peer Review; Weapons Complex
Nickelson, Pat	B.A.	Real Estate; Federal Real Property Analysis & Policy
Obbink, Gregg		Electro-Mechanical Technician; Space Systems Design and Integration Engineer
Ollif, Dale	MBA	Economics; Scheduling, Control, Assessment; Systems Analysis, Quality Management
Overskei, David	Ph.D.	Physics; Corporate & Government Strategic Analysis/Planning; Fusion Technology
Papinako, Asya	M.S.	Mechanical Engineering; Fossil Power Plant Design and Costing, Risk Analysis, Russian Projects
Peddicore, Lee	Ph.D.	Nuclear Engineering; Nuclear Fuels, Pu, Hydrogen, & Space Power Systems, Professor of Nuclear Engineering
Powell, James	Ph.D.	Nuclear Physics & Engineering; Laser Fusion, Nuclear Programs, former Nevada Test Site Manager; Weapons
Rasin, Bill	B.S.	Nuclear Engineering; Nuclear Power Industry SME, Nuclear Plant Design/Safety, Reg. Compliance

Name	Degree	Experience
Rhone, James	B.S.	Aquatic Biology; Emergency Manage., Environmental Rad. Surveillance, Chemistry, Program Manage.
Roth, Mark	M.A.	European & Middle Eastern Studies; Economic Modeling; Global Nuclear Power Analysis and Planning
Russell, Gary	Ph.D.	Nuclear Engineering; Neutronics Calcs., Spallation Physics, Pulsed Spallation, Spallation Targets/Systems
Salazar, Luis	M.S.	Mechanical Engineering; Nuclear Weapons Engineering SME; Production Engineer; former Los Alamos National Laboratory, Deputy Associate Director for Weapons Engineering and Manufacturing
Schafstall, Patrick		Accelerator and Test Engineering, Mechanical. Technician, High Power Equipment Testing & Fielding
Schneider, David	M.S.	Physics; Accelerator Technology; Space Applications; Ion Source SME; Large Scale High Technology Programs/Project Planning and Management
Shotts, Wayne	Ph.D.	Solid State Physics; Former LLNL Deputy Director for Operations; Nuclear Weapons Program SME; Homeland Security Programs
Schrage, Dale	Ph.D.	Aeronautical Engineering; Machine Design, Thermo Science, Normal & Superconducting Linear Accelerators
Seward, Blake	B.S.	Mechanical-Aerospace; Nuclear Material Containers, Cost Engineering, Project Management, MOX
Shea, Tom	M.A.	English; DoD Major Systems Acquisition, former DOE/NNSA PM, DOE Order 413.3, Project Assessment
Shepard, Ken	Ph.D.	Physics; Superconducting Linear Accelerators and Associated Technology Development and Construction; Fellow of the American Physical Society
Sherman, Joseph	B.S.	Chemistry; Accelerators, Ion Source, Injectors, Beam Transport, Diagnostics
Sherwood, George	Ph.D.	Physics; NRC Licensing, Environ. Engineering, NEPA, Nuclear Safety Engineering
Sinichko, Mark	M.S.	Business Administration; Engineering Science & Mechanics; DOE Order 413.3; DOE Budget; Project Management
Slemmons, Hazel	B.S.	Business Admin.; Program/Project Analyst; Budget; Environmental; Public Involvement Specialist
Smith, Vernon	Ph.D.	Nuclear Physics; Ion Source SME; Accelerator Technologies; Mechanical & Pulse Power; Accelerator Ops.
Stovall, Jim	M.S.	Electrical Engineering; LINAC Design, Engineering, Fabrication, Installation, & Commissioning
Suda, Sylvester	M.S.	Mathematics & Physics; Nuclear Mat'ls; Russian Programs Material Protection, Control and Accounting (MPC&A); IAEA Safeguards
Talbert, Will	Ph.D.	Physics; Target Design, Astrophysics & Radiation, Radiochemistry, Accelerator Technology, Safeguards Assay, Nuclear Materials
Taylor, Royce	M.A.	Business Management; Public Admin., Industrial Engineering, Weapons Plant Ops, High Explosive Eng., QA
Thompson, Marion	B.S.	Material Science Engineering; Nuclear Fuel Design & Processing, MOX, Nuclear Safety
Thompson, Major	Ph.D.	Inorganic Chemistry; Actinide Technology; Pu and MOX; Spent Fuel; Separations
Tiplitz, Charlie	M.S./M.A.	Computer Science, Economics; Cost Analysis & Estimator, High Tech Engineering Life Cycle Analysis
Tripp, Lowell	M.S.	Mechanical Engineering; Nuclear Safety Analysis, Authorization Basis, NRC Compliance; nuclear reactor and facility design, performance & operations
Trost, Donald	B.A.	Political Science; Federal Real Property SME, Worker Transition, Program Assessment, Project Management
Van Fleet, James	M.S.	Management, Mechanical Engineering; Power Industry, NNSA Science Program SME, former Director for the Office of Defense Science
Venkatesh, Srini	Ph.D.	Chemical Engineering; MBA; System Engineering and Technology Integration; Weapons Complex Planning

Name	Degree	Experience
Verzino, Bill	Ph.D.	Chemistry; Space Materials, Instrumentation & Launch Operations; Global Position System; Law Enforcement
Volpe, Mike	M.S.	Industrial Engineering; Civil & Electrical Engineering, Weapons Complex infrastructure SME
Walthers, Charles	MBA	Mechanical Engineering, Heat Transfer; Vacuum, Cryogenics and Tritium Engineering; System Designer
Ward, Thomas	Ph.D.	Nuclear Chemistry; Nuclear Physics, Radiation Effects, Materials Science, Environmental Science
Wilson, Mahlon	Ph.D.	Nuclear/Mechanical Engineering; Accelerator Facilities, Hydrodynamic Testing, Railroad Technologies
Witherell, Deidre	B.S.	Engineering; PE & PMI; Facility Systems Design and Engineering; Infrastructure Construction Management
Wood, Rick	M.S.	Mechanical Engineering; Design, Fabrication, and Testing of LINACs; High Energy Physics Applications
Young, Lloyd	Ph.D.	Physics; Linear Accelerator Design, Modeling & Simulation, Code Development



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