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Folder Title:
POD Associates, Incorporated

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INFORMATION



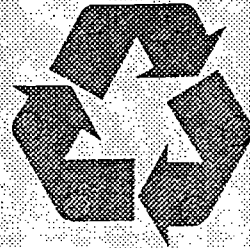
RANDALL KELL

საქართველოს რესპუბლიკა
თბილისი, აღმაშენებლის 68
ტელ. 95-38-60

"POD" ასოშიეიტის კორპორაცია

საერთაშორისო ვაჭრობა

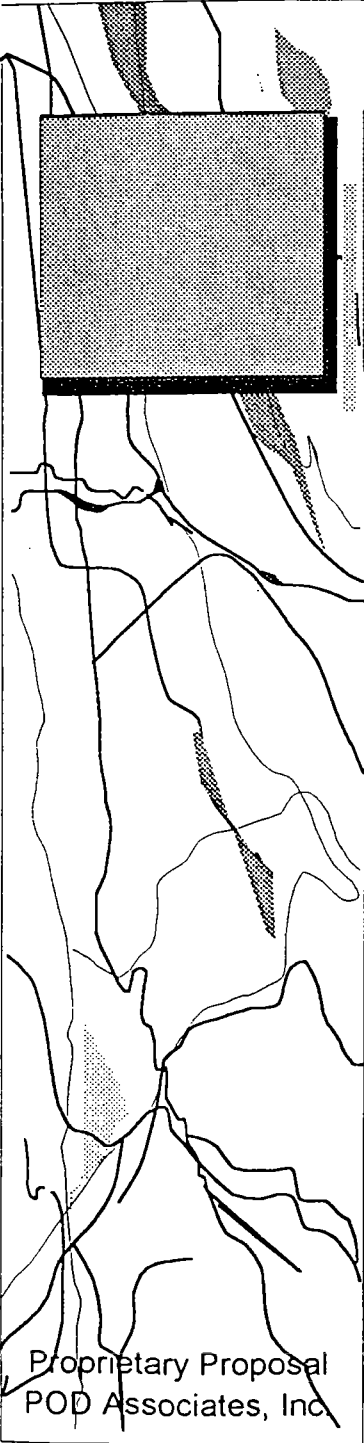
რანდალ (რანდ) კეკელი
მთავარი აღმასრულებელი მოხელე



New Mexico Environmental Assessment and Remediation Consortium

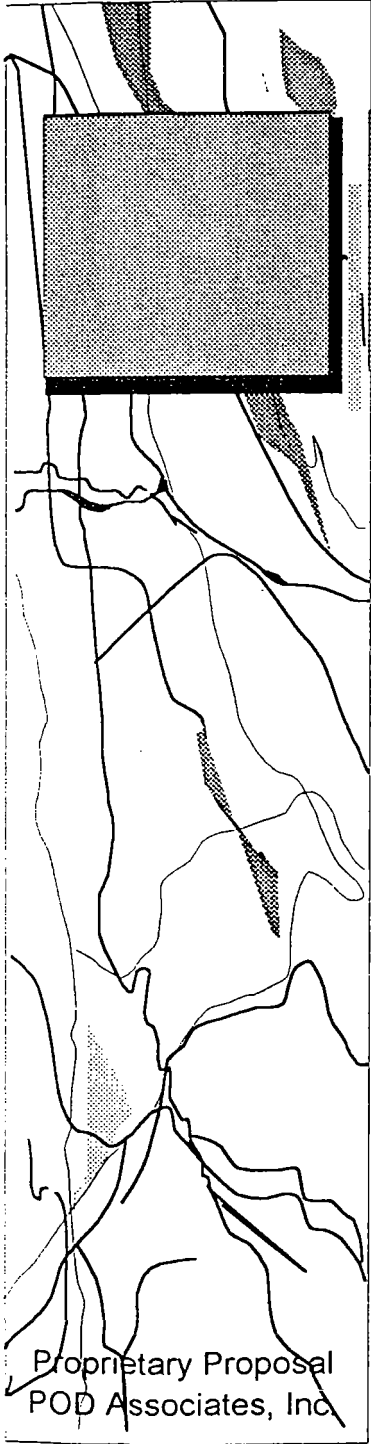
A Proposal to the New Mexico
Congressional Delegation

Proprietary Proposal - POD Associates, Inc.



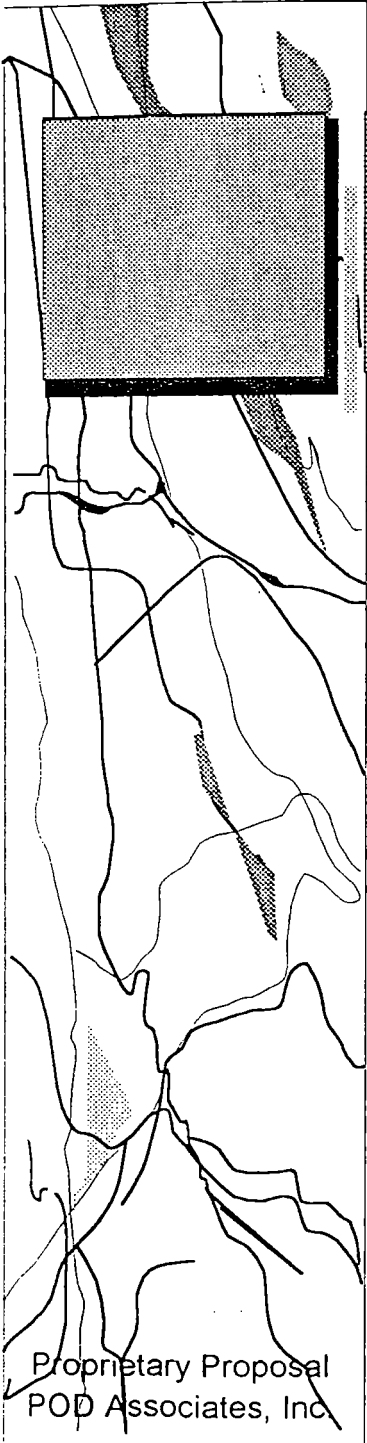
Who we are

- POD Associates, Inc., leads the environmental consortium as the founder and administrator
- Eight other New Mexico small business, including two 8(a)s, provide technical expertise
- New Mexico State University, the University of New Mexico, New Mexico Tech, and Navajo Community College provide education services
- Sandia and Los Alamos National Laboratories provide oversight



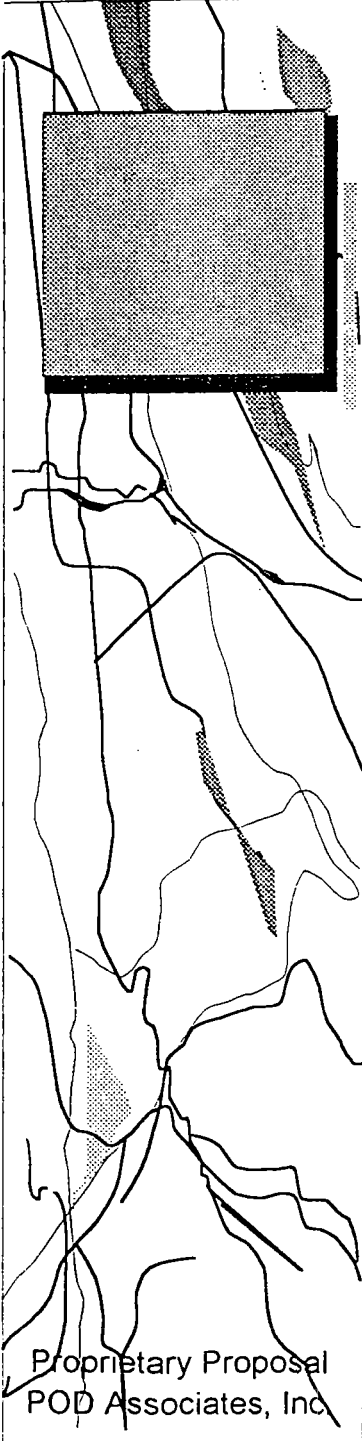
What we are trying to do

- Our assistance has already been specifically requested by Cabinet-level officials in the Republic of Georgia
- Work for U.S. AID in the other Newly Independent States and Eastern Europe



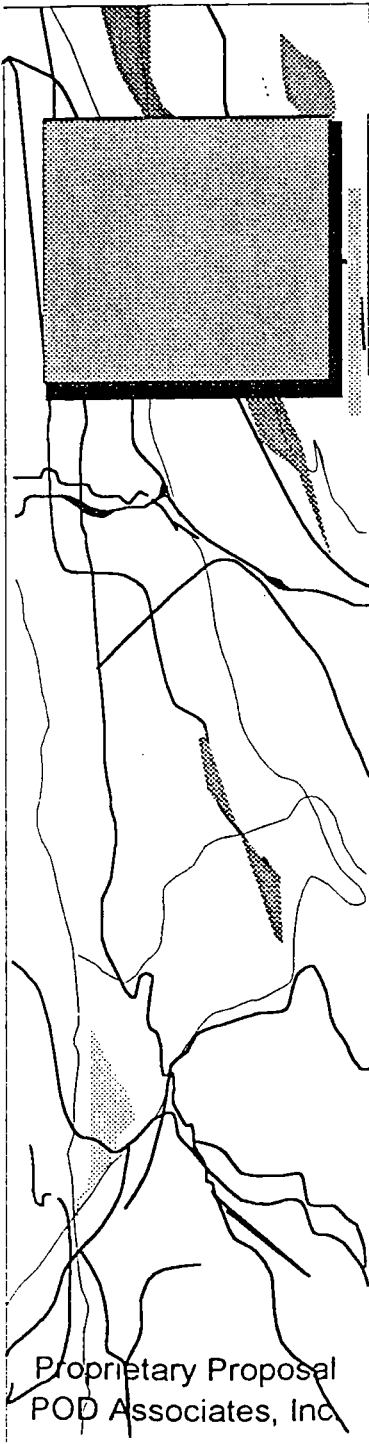
How NEAR-C works

- POD leads the consortium, managing and directing the work
- New Mexico small businesses, colleges, and universities work in their particular specialities
- New Mexico-based National Laboratories act as technology review resources and perform other work as appropriate



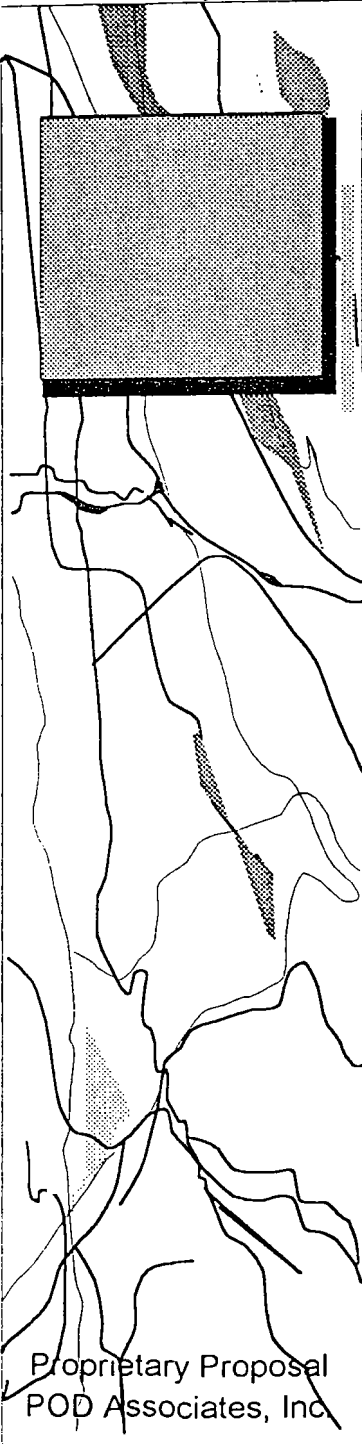
Kinds of work we will do

- Water, air, and soil contamination assessment and remediation
- Nuclear, solid and mixed waste, chemical assessment and remediation
- Recycling, regeneration, and waste minimization
- Biological and epidemiological assessment and remediation
- Education, training, and research



First targeted work

- Copper mines and other sites in the Republic of Georgia
- Former Soviet practices have caused water, air, and soil contamination
- Region desperately needs remediation to clean up area and make sites useable again
- Tengiz Geleishvilli, Minister of Industry in Georgia, has requested our help in this cleanup



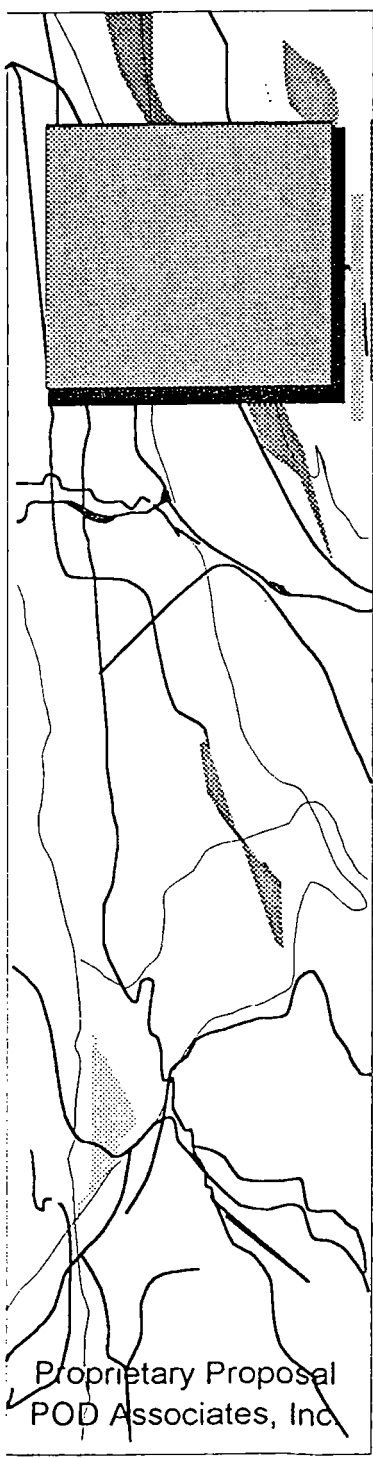
Advantages to US government

- Take a leadership role in the global environmental cleanup arena
- Humanitarian aid to Republic of Georgia and other Newly Independent States
- Help small businesses, academic institutions, and underutilized Federal laboratories from New Mexico grow and prosper
- Opportunity to bring foreign students to the U.S. to study current environmental practices
- Regain prestige lost through bad PR at Rio de Janeiro Environmental Summit



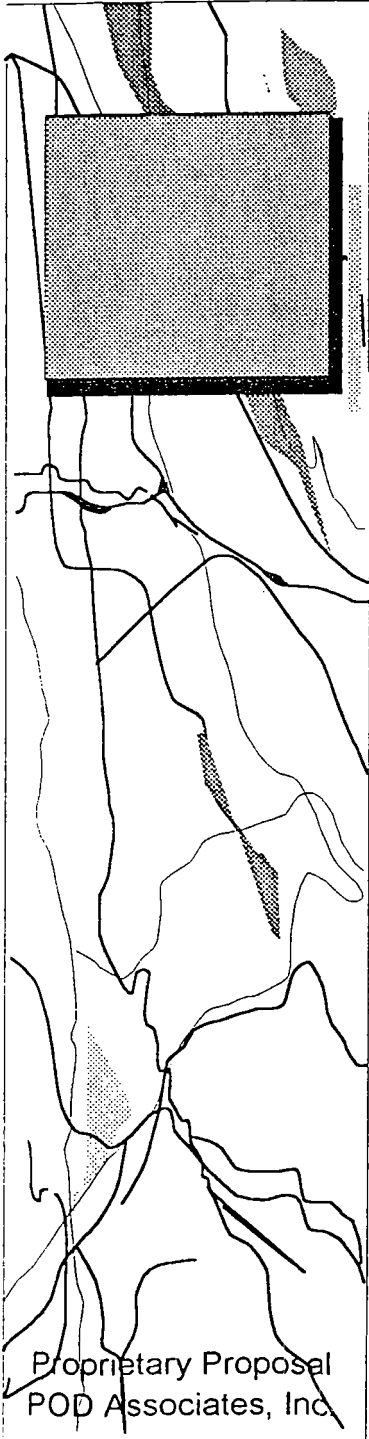
Advantages to New Mexico

- Provide humanitarian and educational aid in Georgia and other Newly Independent States
- Increased economic activity
- Increased visibility in world markets
- Compensate for jobs lost through defense cuts and base closures
- Increased student base for colleges and universities
- Increased utilization of Federal laboratories



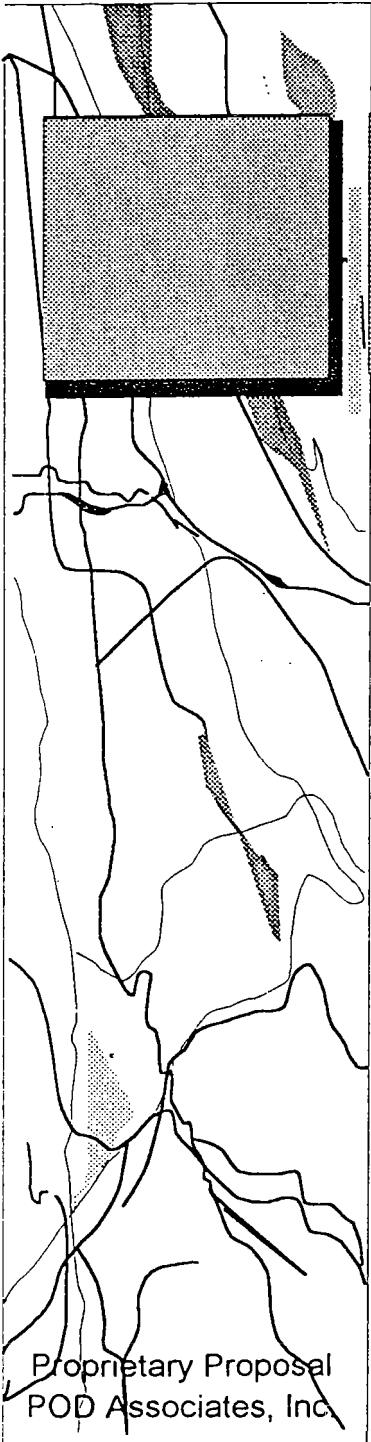
Advantages to businesses and institutions

- Chance to contribute significantly to world-wide environmental cleanup efforts
- Satisfaction from helping Georgia and other Newly Independent States
- Bring new business to New Mexico; broaden state's economic base
- Work with colleges and universities to develop the "next generation" of environmental professionals



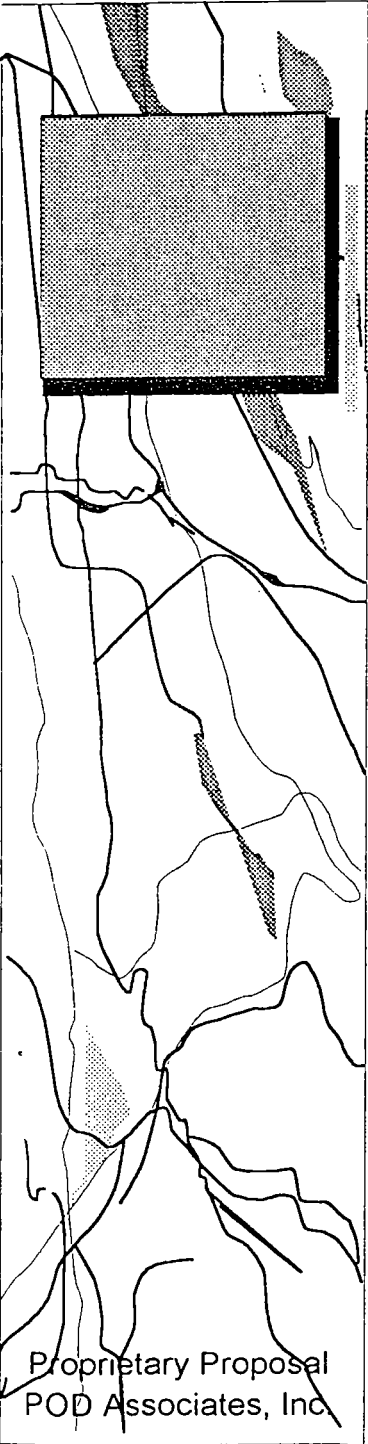
Congressional delegation's role

- Provide leadership on this important issue in Congress
- Promote consortium and provide focal point at U.S. AID and World Bank
- Push for small business set aside in upcoming RFPs and IQCs



Why we need your help

- U.S. AID plans to issue *large* RFPs, one per global region
- Large RFPs limit bidding to giant corporations
- Small businesses *can not* compete head-to-head with giant corporations
- Consortium *can* do the work but needs a boost to get connected to it
- Legislators can provide that boost



Summary

- POD Associates, Inc. has nucleated a New Mexico environmental consortium
- Initially targeting work in Republic of Georgia and other Newly Independent States
- Can help provide jobs and an economic boost in New Mexico
- Need help in Washington to get us to the opportunity
- We are willing to begin this important effort as soon as possible!

Our contacts in Republic of Georgia

Georgian Parliament
Chairman
(Eduard Scheverdnadze)

Prime Minister
(Tengiz Sigua)

State Committee
on Foreign
Economic Affairs
(Gia Tsagarelli)

Minister of Industry
(Tengiz Geleishvilli)

**PHOTOCOPY
PRESERVATION**



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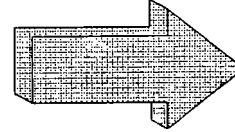
RANDALL (RAND) KEHL
Chief Executive Officer

POD Associates, Inc. CAPABILITIES SUMMARY

OUR CORPORATE PHILOSOPHY FOCUSES ON QUALITY, PEOPLE AND IDEAS

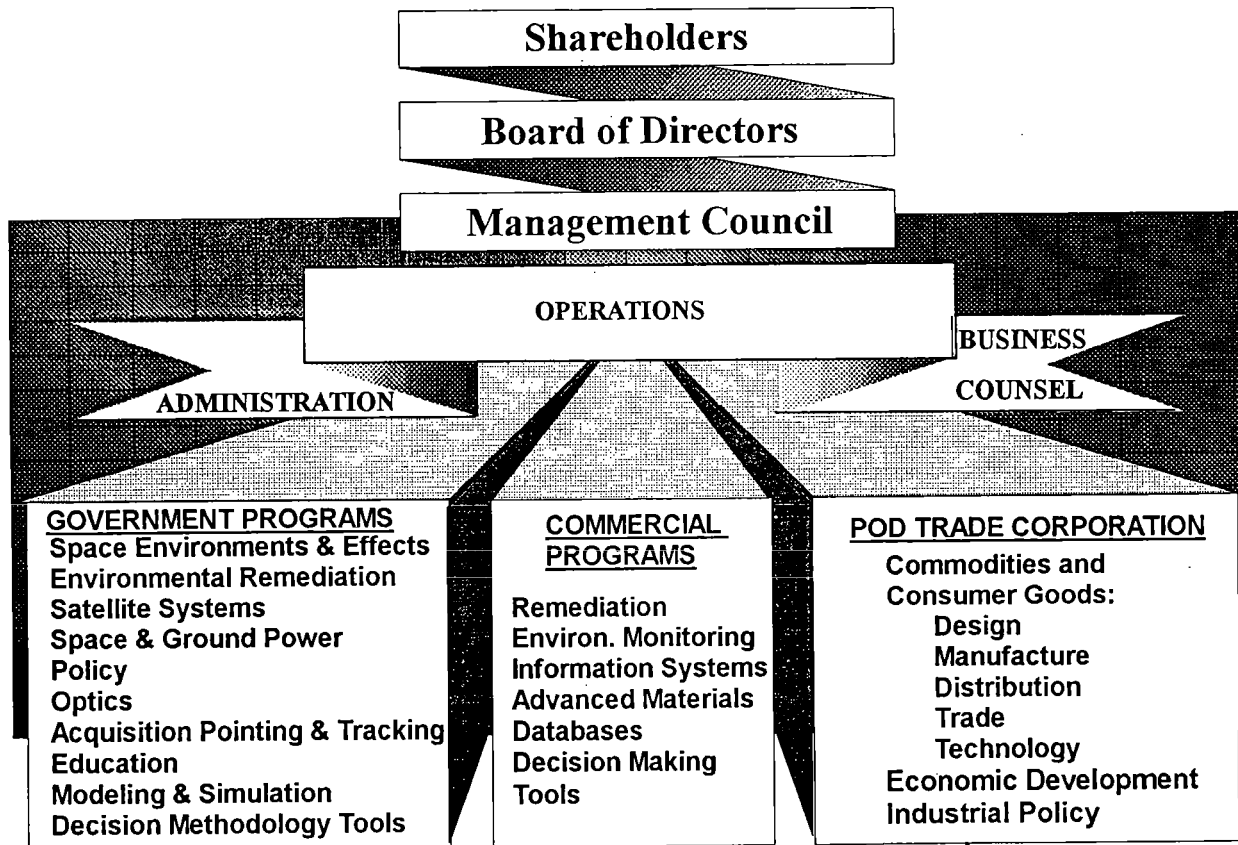
We develop and apply innovative technical and managerial programs to meet socio-technical market demands. To ensure employee satisfaction POD Associates, Inc. is building an employee-owned corporation. We have instituted an open, participative management structure. Our competitive pay scales, aggressive and creative benefits programs, and high energy work environment encourage the creativity which makes POD Associates, Inc. an attractive company to leading professionals in industry.

**SYNERGISTIC
RESEARCH
TEAMS**



**MULTI-
DISCIPLINARY
SOLUTIONS**

OUR STRUCTURE ENSURES MAXIMUM PRODUCTIVITY



POD ASSOCIATES, INC.

POD Associates, Inc. CAPABILITIES SUMMARY

ETHICS FIRST

The Code of Ethics at POD Associates, Inc. was developed by the Associates and is the standard which guides all of our actions. This credo forms the base of our **BUSINESS PRINCIPLES**:

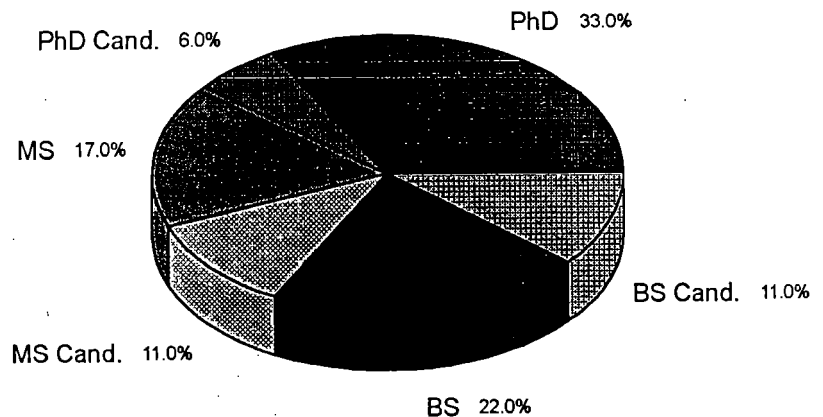
CODE OF ETHICS

- Acceptance by each associate of a fair share of responsibility for developing, selling, and/or handling our business.
- Willingness on the part of each to assist one another in the discharge of an associate's responsibilities, when necessary.
- Willingness to subordinate one's own personal interest to that of the corporate enterprise, when necessary.
- Desire on the part of each to build up and extend the influence of fellow associates.
- Unwillingness on the part of each ever to intend to disparage a fellow associate to anyone.
- Unwillingness on the part of each to profit at the expense or embarrassment of fellow associates.
- Willingness on the part of each to face our problems objectively and dispassionately, without arbitrary or prejudicial position.
- Willingness to offer constructive suggestion rather than employing destructive criticism.
- Willingness to either advocate one's ideas or to accede to the judgement of fellow associates.
- Willingness to conduct one's personal life so as to reflect credibility both upon the associate and the corporation.

1. Our customer's interests always come first.
2. Our assets are people, capital and reputation. If any are ever lost, the last is the most difficult to regain.
3. We take great pride in the professional quality of our work.
4. We stress creativity and imagination in everything we do.
5. We make an unusual effort to identify and recruit the very best person for every job.
6. We offer our people the opportunity to move ahead more rapidly than is possible at other places.
7. We stress teamwork in everything we do.
8. Adequate profits are a key to our success.
9. The dedication of our people to the Corporation and the intensity of their efforts in their jobs are greater than one finds in most other organizations.
10. We consider our structure an asset which we try hard to capitalize on and preserve.
11. We strive constantly to anticipate the rapidly changing needs of the marketplace, and to develop new initiatives to meet those needs.
12. To breach a confidence or to use information improperly or carelessly would be unthinkable to us.
13. We are always fair competitors, and must never denigrate other firms.
14. Integrity and honesty are at the heart of our business, and will not be compromised.

EXCEPTIONAL HUMAN RESOURCES

We are assembling an exceptional team with an educational mix which stresses technical expertise and fosters mentorship. This multidisciplinary team represents the social sciences as well as the hard sciences and engineering. This team has been formed from highly motivated individuals who enjoy the challenge of applying their talents to new types of problems, and who are capable of thriving both as individual researchers and as research team members. This integral blend of the full spectrum of professional capabilities allows us to offer the fullest range of strategic and analytical problem solving, and is the cornerstone for our future growth.

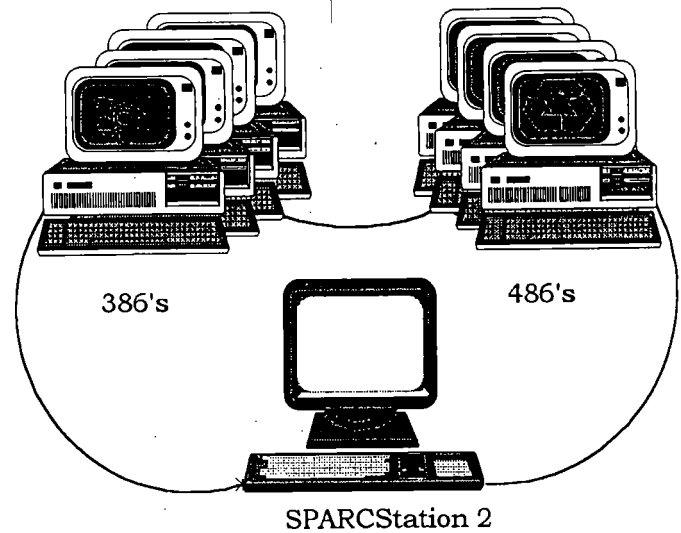


POD ASSOCIATES, INC.

EXTENSIVE AND DIVERSE COMPUTING RESOURCES

POD Associates, Inc. CAPABILITIES SUMMARY

The computer capability at POD Associates, Inc. has been built with an eye towards providing the associates the best tools available for accomplishing projects. Every associate has either a 486 or 386 full color personal computer configured with the latest in business software, PC-based analysis codes and other codes ported by POD Associates, Inc. from mainframe computers. In addition, our Sun SPARCStation 2 is used for running complex problems. All of our computers talk to each other through our Novell-based local area network (LAN) and to the outside world through our bulletin board system. The LAN network increases productivity through both streamlined communications capability and more efficient use of computer resources.



POWERFUL AND VARIED ANALYSIS TOOLS FOR DETAILED CALCULATIONS

PRINCIPAL ANALYSIS TOOLS

- **TOPAZ, NIKE, DYNA** - 3-D coupled code series for material and system thermal, natural stress and structural analyses.
- **THOR** - Conducts requirements compliance, mission design, system design, and trade studies based around an object-oriented technology database.
- **EPSAT** - Defines and analyzes the natural space environment, including high energy proton and electron atomic oxygen plasma micrometeoroid and debris for a range of orbital locations and mission scenarios.
- **SPENV** - Defines orbital debris environment and effects as a function of mission profile, spacecraft orientation, and design.
- **ITS** - Permits Monte Carlo solution of linear time-integrated coupled electron/photon radiation transport problems with or without the presence of macroscopic electric and magnetic fields of arbitrary spatial dependence.
- **SPICE** - End-to-end simulation tool which integrates a schematic entry program, a circuit preprocessor and analysis.
- **PUFF-TFT, PRONTO-TFT and XRTH** - Calculates bulk and thin film material and component responses in one and two dimensions due to continuous and pulsed lasers and x-ray sources.
- **TRIM** - Calculates the penetration of ions in solids and all kinetic phenomena associated with the ion's energy loss.
- **MCNP and TWODANT** - Conducts 3-D neutron, photon and electron transport as well as coupled neutron/photon and electron/photon transport.
- **CTH** - Conducts 3-D hydrodynamic response to hypervelocity impacts, deformation and various other stress-induced effects.

We both develop and exercise a wide range of technical analysis tools to conduct detailed calculations in the areas of:

- radiation transport
- heat transport
- stress analysis
- electronics
- high energy shock physics
- space environmental effects
- decision methodology tools
- optics design
- space environmental threats
- atmospheric turbulence
- image processing
- acquisition, tracking and pointing
- environmental restoration and cleanup
- space power
- advanced materials assessment
- business analysis

We perform material, component and system level analyses. We work on both quick turnaround projects and long-term development and assessment programs.



POD ASSOCIATES, INC.

POD Associates, Inc. CAPABILITIES SUMMARY

AREAS OF EXCELLENCE

SPACE ENVIRONMENTS

- Space debris environment definition and modeling
- Space debris effects
- Space debris mitigation
- Space debris sensor development
- Electron, proton, atomic oxygen, UV, thermal cycling, vacuum effects on materials and systems
- Effects modeling and mitigation
- Threat definition and assessments
- Combined natural and threat effects
- Material radiation, thermal and stress responses
- Decision methodology analysis and tools

INFORMATION SYSTEMS

- Computer code development and application
- Simulation, modeling and analysis
- Database development and management
- Requirements generation and tracking
- Design methodology tools development and application
- Bulletin board and network systems

PHOTONICS TECHNOLOGIES

- Atmospheric turbulence effects on optical and infrared imaging
- Laser propagation
- Detection, tracking and imaging simulation and design
- Image stabilization system design
- High-resolution imaging
- Analysis and testing for target tracking
- Image correlation and correction

PUBLIC POLICY

- Technology, energy, environmental policy
- Industrial Policy
- Regulatory structuring

ENVIRONMENTAL REMEDIATION

- Environmental cleanup assessment and management
- Environmental technology assessment
- Decision methodology analysis and tools
- Regulatory compliance
- Chemical and other laboratory assessments
- Hydrogeologic modeling and assessment
- Groundwater and soil remediation and volcanic hazard assessment
- Nuclear hazard assessment

SATELLITE SYSTEMS

- Nuclear power and propulsion safety and environmental assessment
- Solar power design-electrical, thermal and structural analysis
- Thermal control analysis
- Optics environmental effects and mitigation
- Satellite survivability analysis
- Satellite environmental analysis
- Mission planning and orbital analysis
- Policy counsel

ADVANCED TECHNOLOGIES

- Single crystals for composite reinforcement and electronic performance applications
- Groundwater contamination probe
- Advanced cutting tools
- High efficiency compressors and pumps
- Neural network manufacturing process optimization
- High-resolution infrared imaging



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