

Chris J. Hamilton



Objective To continue my involvement in the development and commercialization of emerging technologies that address important societal issues and in doing so to increase the value of the organization addressing these issues.

Experience 1993 to 2007 General Atomics, Inc. San Diego, GA

Director, Business & Technology Development

- Responsible for the business and technology development activities of the approximately 350 staff members in GA's Energy Group.
- Managed the preparation of over \$2B in proposals with a win rate of ~75%.
- Activities included business development and program management for programs involving: fission reactor (primarily gas-cooled) development, magnetic fusion research, inertial fusion target development and manufacture, laser development and exploitation of related technologies including several development programs for the Department of Defense and the Department of Energy.
- Marketed, and managed marketing of, technology and programs to DARPA, USAF, US Army, US Navy and Marines, and the Special Operations Command.
- Marketed, and managed marketing of, technology and programs to the National Nuclear Security Agency, DOE Office of Science, Nuclear Energy and Office of Energy Efficiency.
- Managed several smaller technology development programs involving microwave and laser directed energy systems, hydrogen production and advanced visualization systems.
- Centrally involved in increasing the gross margin of the GA Energy Group by a factor of more than 2.5 over the past 5 years

1989 to 1993 General Atomics, Inc. San Diego, CA

Department Manager, Reactor Program Development

- Responsible for marketing and guiding program development of several advanced nuclear reactor activities including the Gas-Cooled New Production Reactor for tritium production for DOE Defense Programs (now NNSA) and the civilian Modular Helium Reactor program for DOE Nuclear Energy.
- Initiated the gas-cooled reactor weapons-grade plutonium disposition program, which now involves the US DOE and the Russian Atomic Ministry, ROSATOM.

1984 to 1993 General Atomics, Inc. San Diego, CA

Department Manager, General Engineering

- Resource Manager of the 40 to 75 member engineering staff assigned to, or available for assignments to, multiple and non-full time projects. Engineering branch managers reporting to the Department Manager included: Nuclear, Chemical, Mechanical and Electrical.

- Also acted as marketing and program manager, or mentor, for smaller engineering programs being executed by members of the General Engineering staff.
- During this interval, I was also engaged in, and managed much of, the design and analysis work which led to the adoption of the smaller, Modular Helium Reactor which embodies the inherent safety philosophy.

1978 to 1984 General Atomics, Inc. San Diego, CA

Branch Manager, Nuclear Analysis & Reactor Physics

- Directed a staff of approximately 20 graduate and post-graduate engineers and physicists in the development of advanced nuclear reactor core design and development of software required to accomplish the design and analysis.
- Responsible for establishing and maintaining a positive relationship with DOE and other clients as well as the Oak Ridge and Los Alamos National Laboratories and other participants in the advanced reactor programs. Contributed to both fast and thermal reactor design.
- Managed the application of modern nuclear analysis methods to the design of the larger TRIGA reactors being developed and marketed in the late 70's and 80's.

1973 to 1978 Gulf Energy & Environmental Systems, Inc. San Diego, CA

Section Leader, Core Physics

- Promoted to Section Leader responsible for physics operations of the Peach Bottom 1 Nuclear Power Plant in Pennsylvania.
- Responsible for design of several 760MWe power plants, which were contracted with Southern California Edison and DelMarVa Power. Also led nuclear design of 3000MWt HTGR.
- Responsible for fuel management calculations for the Dresden LWR Nuclear Power Plant
- Directed a staff of 5 to 10 as well as guided software development to improve design and analysis efficiency

1969 to 1973 Gulf General Atomic, Inc San Diego, Ca

Nuclear Engineer, Core Design Department

- Joined GGA in 1969 as a nuclear engineer working on the design of Fort St. Vrain and the 2000 MWt and 3000 MWt large HTGR's
- Contributed to reactor physics and thermo hydraulic analysis of fast and thermal reactors.
- Supported modernization of nuclear analysis methods being utilized at GGA

Education

- BS, Physics, Georgia Institute of Technology, Highest Honors
- MS Nuclear Engineering & Reactor Physics, Georgia Institute of Technology
- Masters of Business Administration, San Diego State University
- Executive Program for Scientists and Engineers, University of California at San Diego

Organizations & Certifications

- Registered Professional Nuclear Engineer in California
- Chairman, San Diego Section of the American Nuclear Society '74
- Member, American Physical Society
- Board of Advisors to the Georgia Tech College of Sciences
- Developed nuclear design standards for the American National Standards Institute
- US Co-Chairman of the US/FRG Umbrella Group for HTGR Development: '87 to '91
- DOE Q and DOD Secret Clearances; held various special access clearances