

Gerard J. Vanderloop

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Ramona, CA 92065

(619) 752-9095

Highly skilled leader that specializes in cutting edge technology within the light manufacturing and engineer industry. Over fifteen years of management and design experience in electronic engineering, high speed circuit design, control systems, product marketing, operations, product development, integration of renewable energy power systems, and desalination systems. Accomplished in the following areas:

- **Business Development**
- **Contract Negotiations**
- **New Product Integration**
- **Project Management**
- **Team Leadership**
- **Strategic Marketing**
- **Product Development**
- **Engineering Management**
- **Financial Analysis**

Employment History

President / CEO - GV & Associates, Inc., Ramona, CA

July 1992 - Present

Desalination Technology

- Develop an off-the-grid solar powered sea water desalination system with a Cloud-based control system that allows controlling and monitoring remotely via a cellular network.
- Devise a solution for third world countries and other isolated areas that lack sufficient fresh water and infrastructure.
- Create market channels with existing clients for global distribution.
- Form alliance partnerships with large NFP relief organizations, renewable energy companies, and desalination system distributors.

Engineer Design Technology

- Develop business in the area Digital Signal Processing (DSP) for use in highly integrated digital HF & VHF receiver, excitors, and modems.
- Manage and organize a multiple discipline engineering organization.
- Conduct overall strategic marketing for product lines using DSP hardware and data encryption.
- Develop alliances with companies such as Qualcomm, AT&T, General Electric, Cubic Defense Systems, USAF, and US Government agencies.
- Design and market a product line of DSP Hardware Development Platforms based on Xilinx FPGA technology which has grown to annual sales of \$1M with a 45% profit margin.
- Design and fabricate numerous specialized high speed digital applications for government and military agencies.
- Facilitate transfer of technology and integration of new product line, as technical consultant for GE Water and Process Technologies.

Chief Operation Officer/Chief Financial Officer & Director -Vari-RO, Inc. San Diego, CA **October 2008- November 2013**

Chief Operation Officer

- Oversaw project and technical development of the Integrated Pump and Energy Recovery (IPER) to prepare for commercial sales.
- Managed project costs on daily operations within a minuscule budget.
- Provided proper organization, structure, budgeting, and execution of company projects.
- Initiated manufacturing contracts with various vendors.
- Conducted teambuilding sessions to incentivize and motivate personnel in a high stress environment.

Chief Financial Officer

- Developed corporate records, corporate tax returns, employee benefits, and reviews, and contracts with the State of California, GE and VC investors.

Board Director

- Maintained minutes along with motions of corporate governance records, and insured compliance with state corporate and shareholder requirements.
- Collaborated with VC investors and maintained investment records and instruments.
- Negotiated and coordinated \$3M sale of Vari-RO IPER technology to GE Water and Process Technologies.

Technical / Business Consultant - GE Water and Process Technologies, San Diego, CA

July 2011- November 2013

- Transferred Vari-RO IPER technology which included a prototype unit, hardware, software, and patents.
- Advised and assisted personnel with the installation of the prototype Vari-RO IPER system at a remote customer site.
- Integrated existing system, tested, scheduled, and analyzed test results.
- Made recommendations to customer regarding system improvements, controls, and integration of the next generation IPER system.

Education

B.S. Degree in Electronic Engineering, California Polytechnic State University, San Luis Obispo.