
Jeff P. Jordan

Sr Energy Resource Development Manager

Demonstrated management, business, and analytical skills, as well as wide-ranging technical knowledge of power cogeneration, electrical, mechanical, and business systems.

- *Founder & President of IntelliJet Marine, Inc., using electronically controlled technology to reduce boat carbon.*
- *Consultant for Impact BioEnergy on anaerobic digester.*
- *Subcontractor to University of Iowa Institute for Hydraulic Research for Office Naval Research (ONR) design of submersible vehicle and propulsion.*
- *VP OPS for operation of commercial anaerobic digestion and cogeneration system; redesigned process, development and operation; 70 employees.*
- *VP OPS for small hydroelectric systems design, development, manufacturing, control programming, installation and operation of 3 co-generation 150kw facilities.*
- *Ops manager/troubleshooter in four 300 ton/day, three-shift, 11 MW food-processing operations 4 assignments in 6 yrs.*
- *US Navy Communications Officer and Electronics Maintenance Officer shipboard.*

Fuel Efficient Boats

In negotiating to purchase aluminum jet riverboat company, found that jet boats were strikingly inefficient. This led to technology development to bring electronic controls (commonly used in jet planes, cars and hydroelectric systems) to boats, i.e., IntelliJet Boat.

- Consulted with group in Sweden to develop fuel-efficient boats for European market.
- Consulted on submersible vehicle development funded by Office of Naval Research based on my papers presented to American Society of Naval Engineers (ASNE).
- Selected to present peer-reviewed papers to large sophisticated audiences at five ASNE Symposiums.
- Designed, built, and tested electronically controlled variable jet boat propulsion prototypes.
- Granted 4 US Patents related to electronically controlled boats.
- Developed business plans, magazine articles, and SBIR grant proposals.

Operations Management From Shop Floor to VP OPS, Lab to Commercial Process

Organizational Skills

Recruiting
Training
Managing
Mentoring
Resolving Disputes

Management skills

Product Development
Financial Analysis
Business Intelligence
Strategic Planning
Safety Management
Quality Control

Writing Skills

Proposals, business plans,
grants, SBIR, financial,
venture, patents, technical

Process Development

Anaerobic Digestion
Marine Propulsion,
Cogeneration Systems,
Hydroelectric Systems,
Manufacturing Processes
Manufacturing Engineering
Continuous Improvement

www.linkedin.com/in/jpJordan

<http://greenproblemsolver.com>

Co-Generation, Anaerobic Waste Digestion

Recruited by Washington Energy Company as GM and VP Ops to turn around a facility in Hawaii employing 70 people originally intended to convert manure to organic products, including cogeneration.

- Analyzed system and business environment in search of profitable business model.
- Created revenue model and plan based on digesting organic waste not suitable for landfill or H-Power waste burning plant.
- Won management support for the plan and \$7 million in funding.
- Recruited team of engineers, including biochemical, mechanical and electrical, to execute plan. Closed unrelated or unprofitable operations. Reduced workforce by 50%. Redesigned processes and replaced equipment as necessary to serve new purposes.
- Recruited and mentored new management team.
- Redesigned/specialized trucks to pick up and transfer wet waste.
- Delivered a functional 50 ton/day waste disposal system/operation that ran successfully under new ownership for several years.
- Granted two US Patents.

Small Hydroelectric

VP Ops of small hydroelectric, wind and solar company that had recently been featured on the covers of Mother Earth News and Popular Science.

- Company had sold 15 small hydro power systems that used DC-to-AC inverters to convert battery power to AC power for remote houses, and the inverters were failing rapidly.
- Analyzed options and concluded the essential power semiconductor technology (field-effect transistors) was still a few years off.
- Secured venture capital to trade out battery systems sales, go back to proven AC hydroelectric systems, and move into commercial cogeneration systems selling power to the utilities.
- Wrote and presented testimony to Public Service Commission, won favorable rates and put the first hydro cogeneration on both the Montana Power and Idaho-Power grids.

Food Processing

At Carnation Company, proposed and won funding for implementing numerous mechanical and control solutions to production-system problems that resulted in generating higher output and higher quality.

US Navy

Cited for excellence as designated Communications and Electronics Officer with Top Secret clearance on US Navy Ship in Combat Zone.

Education

MBA – UC Berkeley
BA – Univ. of Colorado

Programs

MSoftware365
SolidWorks 2018 Premium

Current Active Interests – stay up to date on:

Battery technology
Electric vehicles
Electric motors
Electro hydraulics
Power switching
Control programs
Python
3d printing
Green technologies
Manufacturing processes
Fluid dynamics
Evolving electronic devices
Social justice
Education
Bridge

June 2019 ASNE Paper and Presentation:

A Boat for All Speeds

The advantages of using lessons learned in aircraft electronic controls to increase boat efficiency over all speeds and loads.