

TONY D'AOUST

1155 N State St. Suite 424, Bellingham WA 98225 | Office 360 306 5331 | Cell 907 388 2093 | tony@conviviumre.com

Meteorological tower, instrumentation and communication solutions, small autonomous solar/wind/hybrid power modules with design emphasis on operation in extreme environments and low impact installation and logistics. Terrestrial and oceanographic data acquisition and monitoring packages.

Instrumentation skills
CODAR HF Radar ocean current monitoring

RDI Instruments Acoustic

Doppler current profilers

Full Suite of SeaBird oceanographic instruments

SeaTeam-ADCP instrumentation

Acoustic mooring releases

Campbell Scientific data loggers and sensors RF links, GOES links

Under ice hydrophone and current meter instrumentation

Engine instrumentation and automation controls

WhisperGen micro cogen heat and power technician

Profile

Tony D'Aoust has a strong background in the design, construction, installation and operation of remote autonomous terrestrial or oceanic based scientific monitoring packages. He has extensive field experience in polar and other remote regions. Tony is well versed in cost benefit analysis and design implementation, incorporating renewable energy to reduce logistical and operational costs. Designs emphasize increased redundancy from multiple renewable energy sources. He is the owner/operator of a 36' research charter vessel. When not working on renewable energy or instrumentation projects, he passes the time commercial salmon fishing with his family in Alaska.

Experience

United States Antarctic Program | 1988 – present

Berg Field Center Winter-over Manager 1989

Field instrumentation technician on windless bight infrasound array. Mcmurdo dome field camp Ice core drilling project. Marine oceanographic technician onboard Antarctic research vessels and ice breakers.

Alaska commercial fisherman | 1986 to Present

Owner and operator of F/V Antonie President of MojoCoho Inc.

Direct marketer of sustainably harvested wild Alaska salmon. Operation, repair and design of low volt DC marine charging systems, AC and DC generator systems, marine electronics networking, deck machinery hydraulic systems.

University of Alaska Fairbanks | 2002 - 2008

Research Technician

Designed, built, and installed hybrid power modules to provide 8kw/day to power shore-side based CODAR HF radar arrays to monitor ocean currents. Planned all project logistics for remote installations, including multiple helicopter fixed wing and vessel charters. Performed oceanographic mooring deployments and recoveries aboard the University research vessel Alpha Helix. Configured instrumentation to operate in sub freezing and extreme weather environments. Field technician for the ORION (Observing Radiation In Our North) project which included the operation of a statewide multi sensor network for background radiation monitoring.

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Professional Communication system skills

Starband and Hughesnet
certified satellite internet
installer

HF packet radio systems

Freewave Spread spectrum
radio networks

GOES and ARGOS satellite
platforms

Iridium voice and data
modem communication

Inmarsat solutions

Long range 80211x (wifi)
solutions

Inductive modem
oceanographic subsea to
surface and shoreside
communications

Acoustic underwater
oceanographic
communication

Field Installation skills

Aluminum and steel on site
portable welding & fabrication
work

Fragile ground damage
protection and mitigation.

Helicopter external sling
loads and tower sling
positioning.

Rigid hull inflatable high sea
state and exposed shoreline
landing operations

Alaska Marine Safety
Education Association
Instructor cold water safety

US Coast Guard Licensed
Master

Remote Power Inc Fairbanks |2004-2005

Application technician

Installed on-grid and off-grid solar and wind installations in Fairbanks
Alaska and surrounding area, assisted in the construction of a wind and
solar powered cathodic protection system for the Trans Alaska pipeline.