

Ryan McCauley

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EXPERIENCE

DEC 12 – PRESENT

Tritium3

Honolulu, HI

Founder and managing member of Hawaii-based energy project development, construction and asset management firm. Utilizes diverse experiences related to energy, construction, pilot facility manufacturing to provide consulting, development and cost-effective asset management services. Licensed Hawaii contractor.

- Lead developer on 6MW of utility PV
- Development and construction consultant on 20MW of commercial and utility PV
- Design/build lead for manufacturing facility for groundbreaking micro anti-counterfeiting technology
- O&M/Asset management for approximately 70MW of solar assets

AUG 07 – NOV 12

Hoku Solar, Inc.

Honolulu, HI

Established, operated and grew the Hoku Solar subsidiary following Hoku Scientific's diversification into the commercial photovoltaic (PV) installation and development business. Employed engineering and executive management background to smartly execute sales, engineering and construction goals while managing utility and financing relationships. Built A&B 7.2MW PV farm and Kapolei Sustainable Energy park.

Vice President, Project Development (NOV 10 to NOV 12)

Responsible for development and construction of Hoku's large-scale commercial and utility-scale projects.

- Pioneer and recognized expert in large-scale PV development and utility integration in Hawaii
- Managed business development and construction execution for over \$40MM in PV construction and design services, including some of the State's largest and most complex PV projects
- Secured the award for and executed the installation of the \$20+MM Port Allen Photovoltaic project, which is the largest PV project in Hawaii (7.2MW)
- Through rigorous sales efforts worked with Forest City in the development of and received the general construction contract to build the two largest utility scale PV projects on Oahu (2.4MW total).

General Manager (AUG 07 to OCT 10)

Responsible for daily management, sales and project execution.

- Directly managed over \$18MM in PV construction projects ensuring they were delivered on time, on budget
- Successfully managed 8 simultaneous large-scale commercial projects on 4 different islands within a 4 month period
- Oversaw 2.4MW of sales, personally accounting for over 75% of all deals closed by Hoku Solar
- Managed utility relationships with KIUC, MECO, HELCO and HECO during interconnection, non-utility generator application submission, and interconnection resources studies for in-progress solar farms and private PPA with HECO
- Awarded and subsequently financed Hawaii's largest private rooftop solar PPA portfolio (~1MW) at Hawaii airports throughout the state during the credit crisis in late 2008
- Strong network of contacts with utilities, contractors, engineering firms with expertise in renewables, and local investor resources

SEP 02 – AUG 07

Hoku Scientific, Inc.

Kapolei, HI

One of the early team members for this fast-growth materials science company which focuses on clean energy technologies. An integral leader through all company stages, from Series A funding through NASDAQ IPO and strategic business diversification. The go-to team member during company expansion from its core fuel cell business unit to polysilicon and integrated photovoltaics business units.

Director of Production

Responsible for ongoing manufacturing operations and strategic division planning.

- Managed construction and operations of \$6 million fuel cell manufacturing facility

April 2014

- Designed and oversaw the construction of a state-of-the-art, fuel cell membrane electrode assembly (MEA) manufacturing and assembly line capable of generating annual revenues in excess of \$40 million. Designed plant components included organic synthesis and polymerization modules, membrane manufacturing and processing lines, unitized membrane electrode assembly (UMEA) manufacturing and assembly line, and gas diffusion layer (GDL) manufacturing line
- Maximized use of limited capital through diligent equipment sourcing, to reduce installed production line cost by 21%
- Performed manufacturability assessments, and led the subsequent product redesign effort which resulted in a 75% reduction in manufacturing time and cost savings of 12%
- Performed technical sales visits with current and prospective customers, both domestic and foreign, to support contract negotiation, as well as performance and milestone verification for existing contracts
- Supply chain manager for 8 critical material suppliers
- Established key inventory process controls to comply with Sarbanes-Oxley requirements

Project Manager, Government Contracts

Project manager for \$5 million government fuel cell demonstration at Pearl Harbor. Responsible for overseeing all government relationships, milestone achievement, technical development and contract compliance.

- Led project technical development from white-board to manufacturing, integrating Hoku's proprietary non-fluorinated membrane technology into third-party fuel cell system with onboard reformer
- Achieved all milestones on time and on budget
- Managed design specifications for Hoku and third-party systems
- Manage on-going execution and reporting of product field demonstration
- Evaluated third-party fuel cell system product compliance with design requirements, manufacturing practices and quality control requirements

MAY 97 – APR 03

Lieutenant, Surface Warfare, U.S. Navy

Training Liaison Officer, Afloat Training Group Middle Pacific

Ford Island, HI

Provided training, assessment and certification of training completion for all warships at Pearl Harbor Naval Station. Managed 40 person embarked team. Liaison between the Commanding Officers of the USS Salvor, USS Lake Erie, USS Russell, USS O'Kane and the Afloat Training Group, DESRON and COMCRUDESGRU.

Officer-In-Charge, Afloat Planning System Pacific Detachment

Camp Smith, HI

In charge of a nine-person detachment responsible to National Command Authority, Unified Commanders and the Battle Group Admiral for the planning and deployment of Tomahawk Land Attack Missiles (TLAM). Worked closely with intelligence, air, surface and subsurface commanders in a C4I intensive environment to execute high priority mission tasking during opening months of OPERATION ENDURING FREEDOM.

Division Officer, USS ELLIOT (DD-967), Destroyer

San Diego, CA

Ranked as the number one Division Officer. Hand picked by the Commanding Officer to assume duties as navigator during the ship's Arabian Gulf deployment. Positions included Navigator, CMS Custodian, Communications Officer and Fire Control Officer.

EDUCATION:

Vanderbilt University, B.E., *cum laude*, Chemical Engineering, May 1997

Nashville, TN

PERSONAL HIGHLIGHTS:

Awarded Hoku Award (2009) for top company performer
Awarded Navy Commendation Medal two times
Awarded Navy Achievement Medal three times
