



**Shane Webb**  
**Biographical Sketch**  
**“The Future of Existing Buildings”**



Shane Webb is a Building Scientist of Chelsea Group, Ltd., a leading firm in building science consulting. Mr. Webb works with a team of engineers on design and technical analysis for Chelsea Group’s consulting work in mechanical infrastructure of existing buildings. He has focused on two areas in his time at Chelsea Group: advancing the adaptation of 3-D modeling and design into the Chelsea practice, and structuring and analyzing big data outputs from client building automation and data collection systems.

Currently, Mr. Webb is assisting the design team with The Queen’s Medical Center supply air system upgrade, working with the engineering team on design and markups of the multiple-story building project. He has led the introduction of 3-D design tools from Revit to the air system projects. In addition, he has developed existing condition and new designs in 3-D for the chiller plant and cooling tower project at QMC.

Mr. Webb also provides his services to the Central Plant Energy Optimization group of buildings, whose central plants were provided the ns2u monitoring systems via the Central Plant Benchmarking program with Hawaii Energy. Utilizing his vast knowledge of IT and electronics, as well as mechanical engineering, Mr. Webb is able to support properties with ns2u systems in making decisions regarding the future of their mechanical infrastructure. He is on the team to introduce replacement technology for the aging ns2u systems.

Prior to joining Chelsea Group, Mr. Webb participated in a general engineer internship at the Pearl Harbor shipyard, and was also a lab assistant at the R3 laboratory, a position which saw him conducting experiments in verbatim compliance with ASTM. Mr. Webb earned his Bachelor of Science from University of Hawaii at Manoa in the discipline of mechanical engineering.