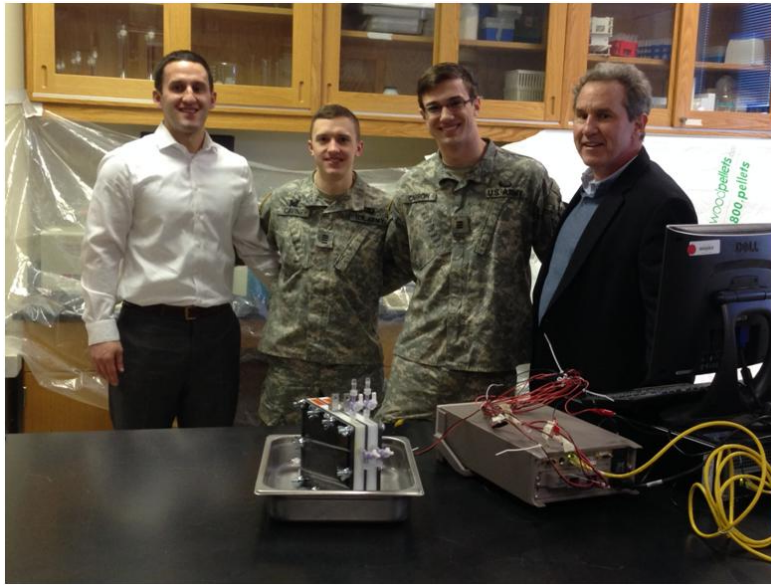


Microbial Fuel Cell Work at West Point BioConversion Solutions Works with Faculty on Feasibility Study

As discussed in “Other Inconvenient Truths Beyond Global Warming”, a big bright spot is the fact that there are a myriad of real initiatives and renewable projects that are underway in the U.S. Department of Defense (DOD). What is



Anton Rozich of BCS, Cadets Lawrence Cavins and Christian Carron of West Point and Dr. Alan Rozich of BCS meet to discuss BCS applications for enhancing microbial fuel cells.

compelling about the DOD’s energy and other renewables initiatives is that they put a high priority on energy and resource security. As it happens, a number of DOD installations are in remote locations (e.g., islands and the like) that seem better suited for “resource island” scenarios. That is, make the bases totally resource independent.

Dr. Rozich and colleagues at BCS are working with faculty at West Point, the U.S. Military Academy.

Under the direction of Lieutenant Colonel (LTC) Jeffrey Starke, Ph.D., the Academy is tackling the problem of making forward operating bases (FOBs) into resource islands. Dr. Starke’s approach is to convert FOB waste and by-products using a novel technology, microbial fuel cells, into resources such as energy and water with minimum energy expenditure. Dr. Starke approached Rozich and his team about performing feasibility work to assess the potential application of BCS’ high conversion AFC² technology to improve fuel cell performance with respect to resource production. The thinking is that the integration of the technologies may be produce a higher conversion and robust renewable system. Work is already underway with preliminary results expected late this spring.