



## **Modula S and CuVerro Team Up to Offer Best-in-Class Military Medical Unit – Ideally Suited for Rapidly Deployable Infection Isolation**

**August 21, 2015**

SCHAUMBURG, Ill.--Modula S, Inc., will be unveiling its newly developed rapidly deployable, modular, net-zero energy epidemic treatment unit at the Asia Pacific Resilience Innovation Summit and Expo in Honolulu, Hawaii, August 24-26. The new Modula S Infection Isolation Unit incorporates healthy, easy-to-clean CuVerro® bactericidal copper alloy and excess power for communications – and the Unit is rated for a twenty-five year life. Modula S was recently named an awardee of the USAID Ebola Grand Challenge for its innovative rapidly deployable treatment units. The Modula S Infection Isolation Unit is being considered as the solution for both humanitarian and expeditionary bases worldwide and may be purchased through the

National Security Technology Accelerator at its website, [www.NSTXL.org](http://www.NSTXL.org).

The transportable Modula S Infection Isolation Units enable superior bacterial control and more comfortable conditions for treatment wards or triage and evacuation facilities compared to traditional “soft-shell” facilities, such as tent structures. Tents present several challenges for medical staff and patient care, including hard to clean soft floor systems requiring large quantities of disinfectant, a short life span that significantly increases life-cycle costs, large energy requirements due to the dependence on gen-sets, fabrics that are extremely difficult to disinfect, particularly in hot and humid conditions, seams and corners that are difficult to clean, and lack of floor drains and HVAC systems that are prone to infectious contamination. The Modula S Infection Isolation Unit addresses all of these concerns.

The Modula S units are “hard-shell CLUs” employing improved thermal efficiency, super-insulation, and a design that features healthy, easy-to-clean interior surfaces and fixtures made of CuVerro® bactericidal copper. The interior walls and fixtures are made with CuVerro® - a unique bactericidal copper alloy that continuously kills 99.9% of infectious bacteria\*. The inherent bactericidal properties of the CuVerro® surface work 24/7, never washing out or wearing away. The technology greatly enhances decontamination efforts.

The simplicity of the Modula S unit’s interior design makes disinfection the number one priority. The interior of the infection isolation unit is easy to clean and maintain and features “wash-down-to-drain” construction, which vastly reduces the handling of infectious waste. CuVerro bactericidal copper alloy walls are formable and have smooth welded joints and rounded corners, creating a seamless environment. Additionally, beds and fixtures made with CuVerro are installed in a smooth and continuous sloped to drain design for cleaning and rinse down ease. All beds, shelving, and IV brackets are wall and ceiling mounted to facilitate cleaning.

The Modula S Infection Isolation Unit takes only three days and ten people to deploy. An ultra-efficient building with solar power and energy storage capacity for full autonomous operation, the Unit includes a gen-set for failsafe backup, and enables true “off the grid” capability. It may stand alone as a single isolation clinic or be easily integrated for use as an infection isolation ward attached to a tent in a remote location or permanent hospital.

“Modula S building technology has the ability to significantly exceed U.S. Secretary of Defense’s energy and water use operational goals as stated in the Operational Energy Strategy,” says Jack Rutherford, CEO, Modula S, Inc. “We have a solution for the technical issues that have previously prevented ultra-efficient base operation due to energy and water inefficiencies. We’ve focused our efforts on the construction of ultra-efficient buildings for the DOD at Expeditionary Bases worldwide with our technology being accepted by the Navy’s Renewable Energy Program Office.”

“It is of vital importance to protect our military workers and maximize their efficacy in patient treatment,” says Kon John, CuVerro National Sales Director. “With this ‘CuVerro-clean’ medical treatment unit we can significantly reduce the risk of transmission of infectious bacteria, with just routine cleaning. We are proud of our partnership with Modula S and we believe the inroads CuVerro bactericidal surfaces can make in the military and defense space is just the beginning of better treatment and infection control worldwide.”

### **About Modula S**

For more information visit [modula-s.com](http://modula-s.com) or contact [info@modula-s.com](mailto:info@modula-s.com).

Modula S is a start-up focused on the commercialization of construction materials and construction processes to enable structurally and thermally resilient zero energy buildings, bases, and communities. Modula S buildings may be rapidly deployed as resilient, off-grid structures for numerous applications including, forward operating bases and the treatment of infectious diseases in remote locations. Further, our proprietary thermal envelope coupled with our unique structural construction methodologies enable the construction of zero energy buildings ranging from residential homes to skyscrapers of 30 stories or higher. Modula S is an awardee of the Ebola Grand Challenge, granted by USAID, the White House OSTP, CDC and Dept. of Defense.

### **About CuVerro**

For more information visit [cuverro.com](http://cuverro.com) or contact [cuverro@olinbrass.com](mailto:cuverro@olinbrass.com).

*CuVerro*® is manufactured by GBC Metals, LLC, doing business as Olin Brass, a wholly owned subsidiary of Global Brass and Copper, Inc. which is a subsidiary of Global Brass and Copper Holdings, Inc., the leading manufacturer and distributor of copper, copper-alloy and bactericidal copper sheet, strip, plate, foil, rod, ingot and fabricated components in North America and one of the largest in the world. GBC Metals engages in the melting, casting, rolling, drawing, extruding and stamping of specialized copper and copper alloys finished products from scrap, cathode and other refined metals. (OB-0030-1508)

*\*Laboratory testing shows that, when cleaned regularly, CuVerro surfaces kill greater than 99.9% of the following bacteria within 2 hours of exposure: Methicillin-Resistant Staphylococcus aureus (MRSA), Staphylococcus aureus, Enterobacter aerogenes, Pseudomonas aeruginosa, E. coli O157:H7, and Vancomycin-Resistant Enterococcus faecalis (VRE). The use of CuVerro® bactericidal copper products is a supplement to and not a substitute for standard infection control practices; users must continue to*

*follow all current infection control practices, including those practices related to cleaning and disinfection of environmental surfaces. This surface has been shown to reduce microbial contamination, but it does not necessarily prevent cross contamination.*