



## COMMON CONTROL, HERE AND NOW

*Field expedient interoperable robotic control solutions by the OCU specialists*

### THE NEED FOR INTEROPERABILITY

Many Operator Control Units (OCUs) of unmanned assets are vendor-specific, proprietary, custom-built for each robot, and cannot be modified to control others. These dedicated OCUs increase cost of ownership, complicate training, burden logistics, and hamper mission flexibility. Also, the lack of interoperability prevents single-operator command of multiple-robot systems, and thus limits force multiplication.

### APPLICATION MODULE

American Reliance Inc. (AMREL), a leading rugged, mobile computing platforms provider, achieves greater interoperability with the patent-pending Application Module. Typically, a radio is integrated into the module, which is inserted into the computer's device (DVD) bay.

Application Modules are:

1. *Shielded for internal emissions, thus extending the operating range*
2. *Designed for simple plug-and-play connectivity through the computer's device bay*
3. *Linked through the device bay to the connector hub (ethernet, serial, USB, etc.)*

Infinitely customizable, Application Modules have been used for FreeWave, Ubiquiti, and DTC as well as frequencies of 900 MHz, 2.4 GHz, 4.9 GHz, and 5.9 GHz .

## FLEXPEDIENT® SOLUTIONS

The Application Module is the heart of AMREL's Flexpedient Solutions, an interoperable field-expedient kit that can produce OCUs for virtually any unmanned system. Just swap the Application Module out of AMREL's patent-pending device bay, change the hard drive and you have an entirely new OCU. In theory, common control is as simple as changing a tire. *Watch the video on [www.flexpedient.com](http://www.flexpedient.com)!*

Application Modules protect proprietary technology, even while it is integrated into a mature, interoperable platform. All AMREL laptops have the patent-pending device bay, which enable full Flexpedient capability.

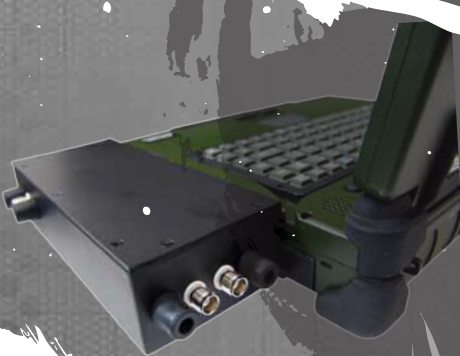
## THE OCU PROS

Through its leadership in interoperable solutions and its extensive customization capabilities, AMREL has emerged as the dominant force in the field of robotic OCUs, especially for UGVs. AMREL is the only OCU-solution supplier to have control subsystems operating in multiple deployed unmanned platforms developed by different manufacturers.



### Some of our clients include:

- Robot (PackBot)
- DTC Communications
- AGT (MARCbot)
- Ibis Tek
- Black-I Robotics
- SeaBotix



## THE NEXT LEVEL OF INTEROPERABILITY

To learn more about AMREL's OCU solutions, please visit:  
[www.CommonControlNow.com](http://www.CommonControlNow.com)

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