The Radio Control application...

is a universal radio interface through which you can simultaneously monitor and control all the different types of radios in your LongArm control system. At a minimum, the interface provides you with the ability to control and monitor the following radio parameters, when supported by the radio:

- Monitor and control RX and TX Frequencies
- Select Channels (Presets)
- Monitor and control Modulation Modes
- Monitor and control Power State
- Monitor and control Squelch Levels
- Monitor and control of AGC
- Monitor and control RX Gain
- Monitor and control TX Power Levels
- Monitor radio status (e.g. Ok, Failed)

Drivers for certain radios contain a detail page with even more controllable parameters.

With General Dynamics' experience in the remote control field including multiple government and international customers, you are assured of receiving the highest quality product when you choose LongArm.

The list of LongArm controllable devices includes 27 radios (UHF, VHF, HF) various matrix switches, antenna couplers, X-10 devices, relay and digital I/O cards and an audio/video selection unit.

GENERAL DYNAMICS
C4 Systems
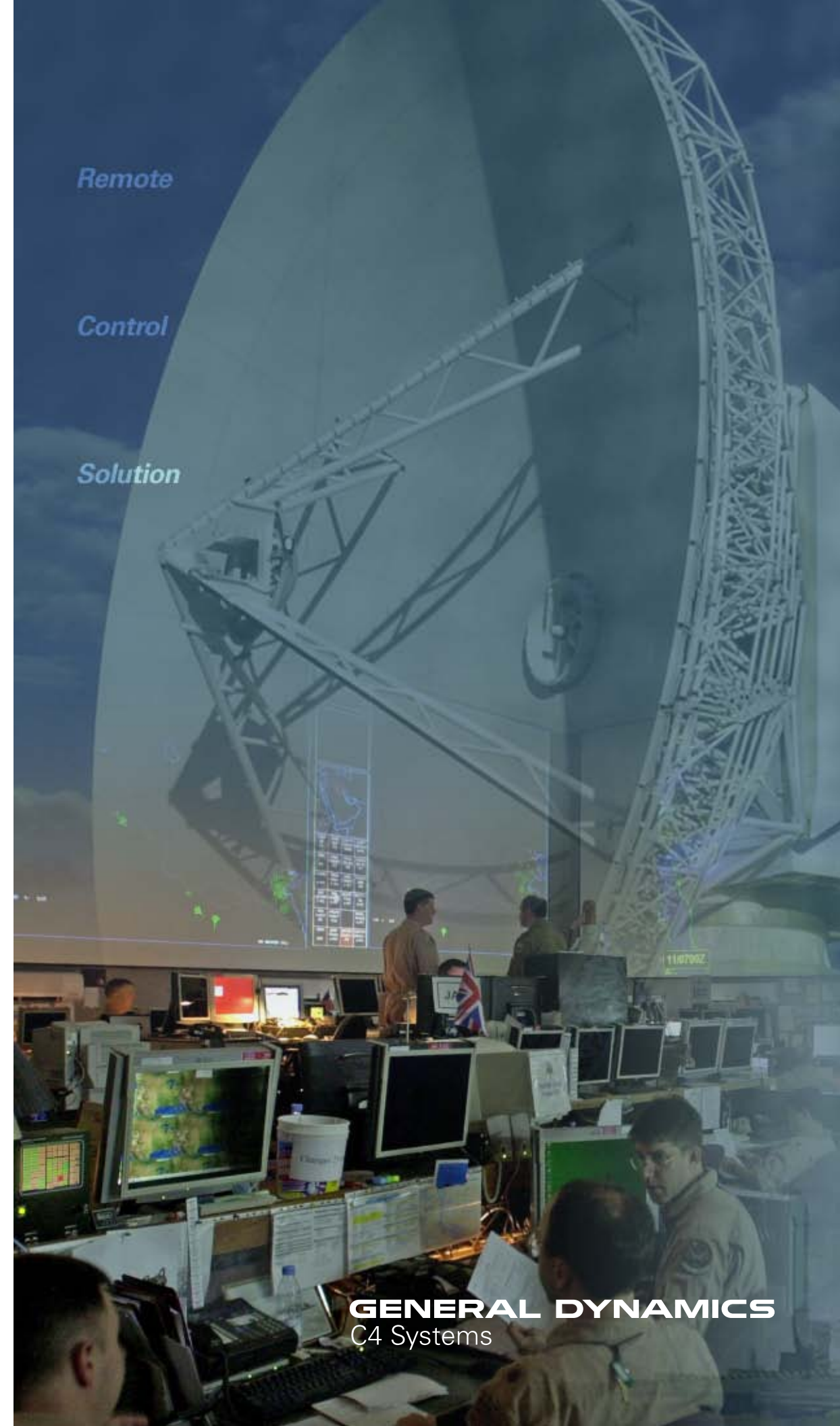
For more information contact:

Tel: 301-621-8106

Web Site – http://www.gdc4s.com/longarm

Remote

Control

Solution

LongArm®
Remote Control Software

GENERAL DYNAMICS
C4 Systems

LongArm®

LongArm® is a modular, stand alone remote control system designed to provide single or multiple workstation control of a wide variety of devices, such as radios, antenna switches, weather stations, and uninterruptible power supplies.

The LongArm environment consists of suites of pluggable applications, coupled with a powerful engine that provides common functions and communications. The result is a flexible remote control system that provides the control capabilities needed today, that can grow to meet tomorrow's needs.

Device Control to Anywhere From Anywhere

- Virtual control of remote devices
- Simultaneous support of multiple devices
- Integrated control of multiple vendors' products in one easy-to-use interface
- Support for multiple communications media, including direct connection, Ethernet, microwave, and phone lines
- Multiple operators have coordinated control over many or all devices attached to the LongArm system
- Communication link redundancy ensures constant device control

Main Benefits Include Cost Savings and Added Flexibility

Economic

- Reduction of personnel and maintenance costs by giving a single operator control of multiple devices and providing off-site maintenance capabilities for remote assets
- Routing information to multiple devices through a single communications line reduces the number of communication links needed
- Using suites of pluggable applications means buying only what is needed to control your assets
- The Windows® 2000 - based control software is compatible with most widely used commercial hardware and software
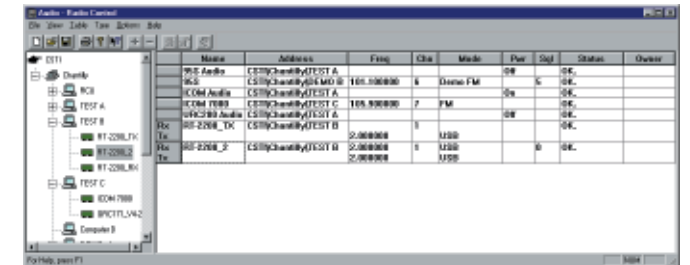
Flexible

- Control of one to hundreds of devices from either one or many workstations
- The modular design makes it easy to add control for new devices
- The availability of Software Development Kit (SDK) and Device Driver Kit (DDK) software allows tailoring the LongArm control system for the specific device required
- Adding LongArm to our AccessNet™ voice switch allows the user to control radios and communicate from a single integrated touch screen display
- Optional web-based interface
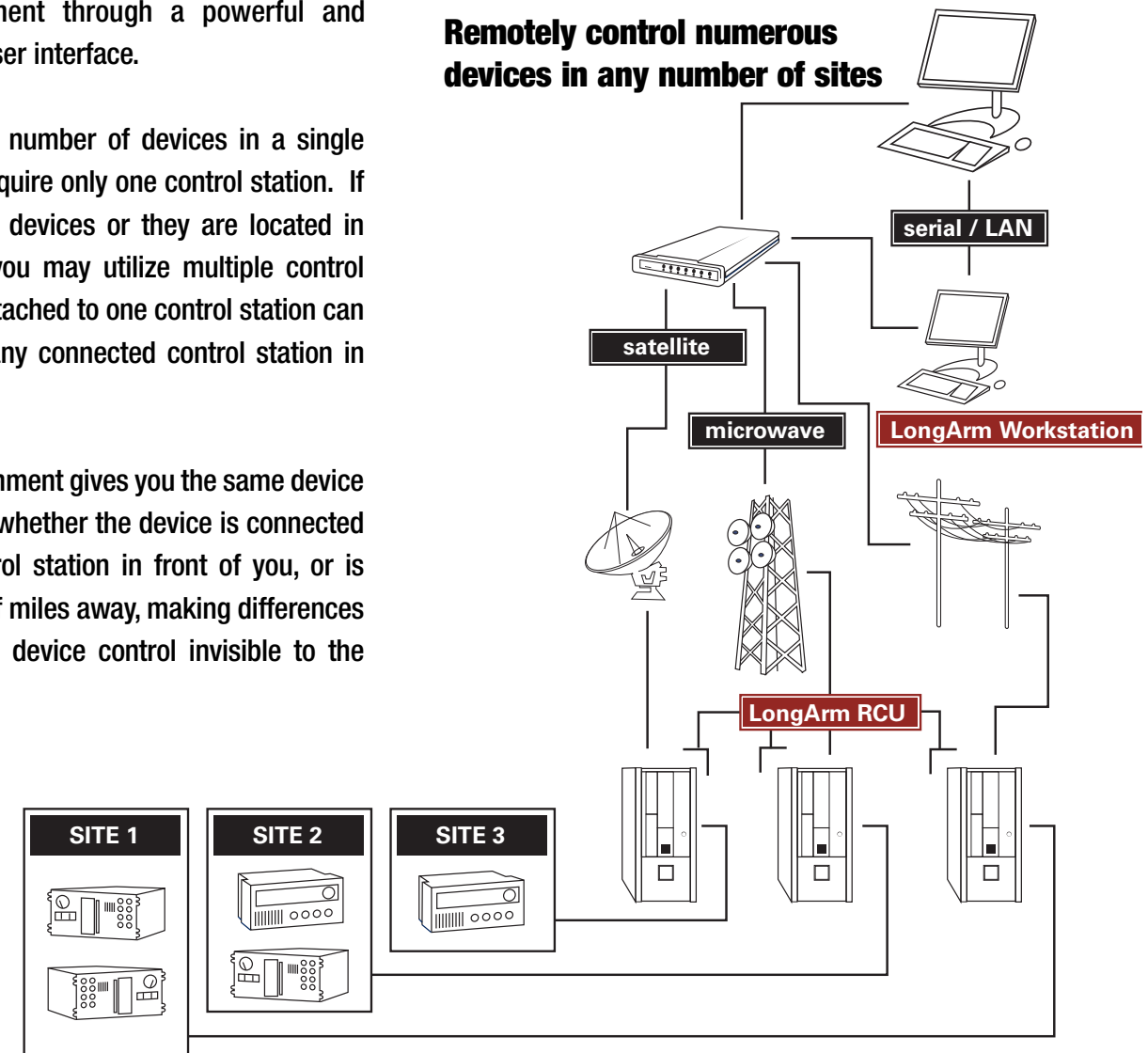
Product Description

The LongArm control system is a combination of hardware and software that supports an almost unlimited number of attached assets. The LongArm control system can be configured with up to hundreds of control stations. The control station provides the ability to configure, control, and monitor the remote equipment through a powerful and intuitive graphical user interface.

If you have a small number of devices in a single location, you may require only one control station. If you have numerous devices or they are located in multiple locations, you may utilize multiple control stations. Devices attached to one control station can be accessed from any connected control station in your system.

The LongArm environment gives you the same device control capabilities, whether the device is connected directly to the control station in front of you, or is located thousands of miles away, making differences in remote and local device control invisible to the operator.

Remotely control numerous devices in any number of sites

serial / LAN

satellite

microwave   LongArm Workstation

LongArm RCU

SITE 1   SITE 2   SITE 3

With General Dynamics' experience in the remote control field, you are assured of receiving the highest quality product when you choose LongArm.

LongArm®