

# THE DAWN OF A NEW ERA IN CONTROL SYSTEM INTELLIGENCE



# INTRODUCING THE ODYSSEY™ PRODUCT SERIES. THE FIRST COST-EFFECTIVE SOLUTION FOR SECURITY, PERFORMANCE AND TROUBLESHOOTING OF YOUR CONTROL SYSTEM.

## INTRODUCING THE EASY, AFFORDABLE UPGRADE FOR BOTH SERIAL AND TCP/IP-BASED CONTROL SYSTEM COMMUNICATIONS.

Given the recent need for increased network security and the explosive growth of system data, control systems in all major industries have become overloaded and underprotected. And the cost to upgrade a control system can get out of control. That's why there's Aegis Technologies.

Our Odyssey™ Product Series provides core features that address cyber vulnerabilities, poor network performance, and the lack of diagnostic tools.

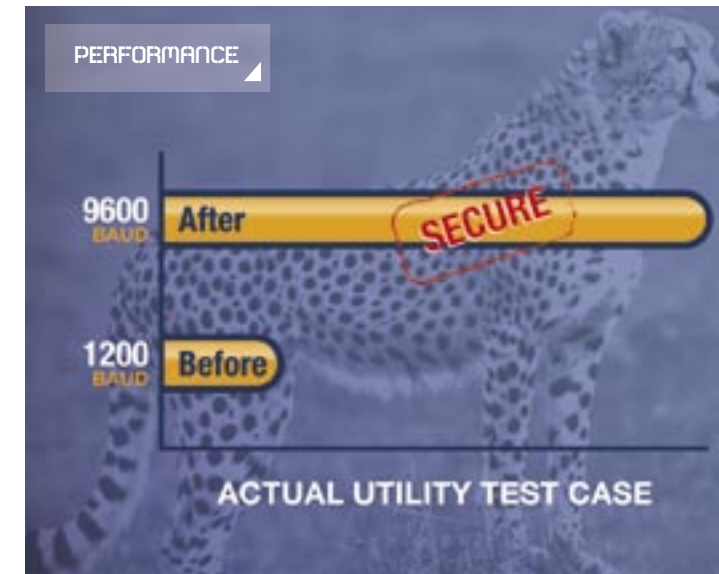
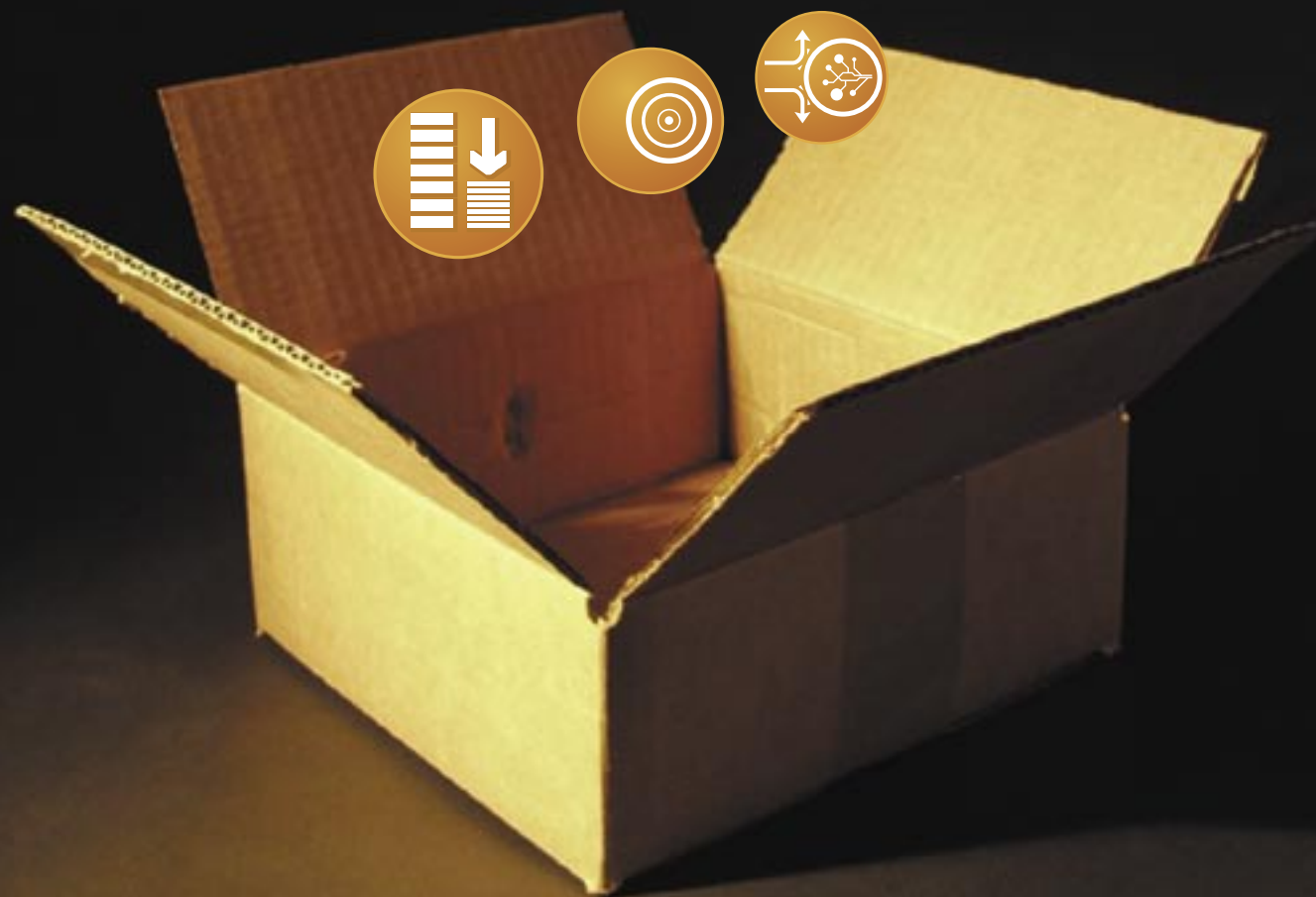
In developing this and other products, Aegis Technologies has combined the best of Information Technology and Control System engineering to meet the needs of the SCADA/DCS/PLC Control System network.

Our practical, big picture solutions provide superior ROI by integrating multiple operational and strategic benefits into a single product. You get access to the data you need to make effective business decisions and immediately improve your bottom line.



# PERFORMANCE, TROUBLESHOOTING, SECURITY.

## A COMPREHENSIVE SOLUTION ALL IN ONE PACKAGE.



### PERFORMANCE

Based on its proven success in other communication environments, our unique self-optimizing compression technology improves Control System throughput and continually optimizes in response to the changing demands of SCADA/DCS/PLC communications. The result is a more efficiently managed system for both Serial as well as TCP/IP-based systems.



### TROUBLESHOOTING

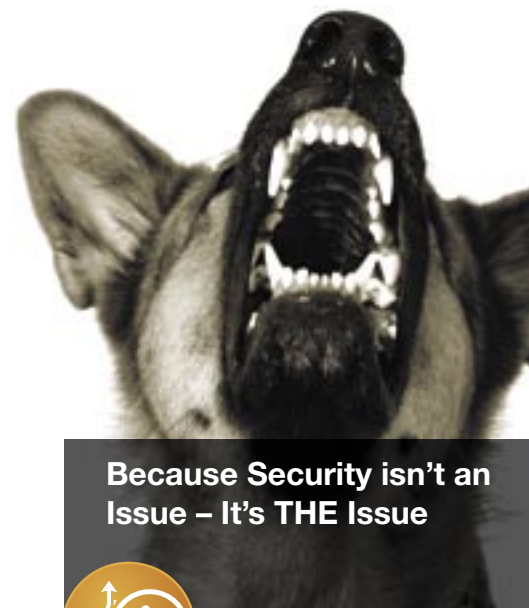
An embedded, centralized logging system that tracks all communication between points on the network. This precision maintenance assistance capability allows for more responsive and accurate system troubleshooting and reduces the need for on-site diagnostics at remote locations.



### SECURITY

Unparalleled electronic security perimeter, encrypting data sent between points and actively monitoring for any suspicious activity on your communication network. Utilizing both user and device authentication, this state-of-the-art security technology protects the network, including vulnerable telephone modems, from unauthorized external entry.

# THREE UNIQUE COMPONENT SUITES. PUTTING THE CONTROL BACK INTO YOUR CONTROL SYSTEM NETWORK.

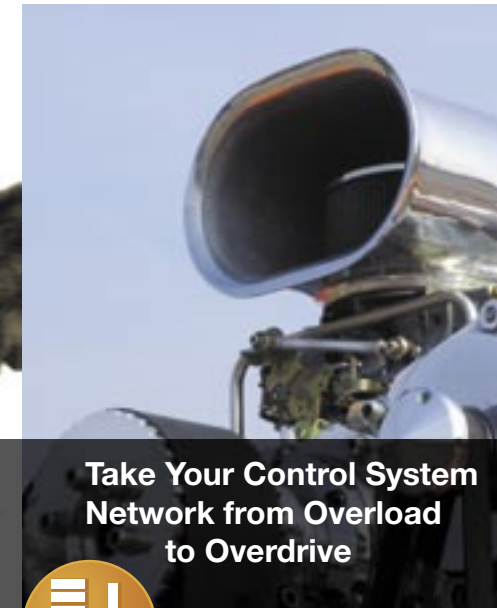


Because Security isn't an Issue – It's THE Issue



### SCADAsafe™/Modem Defender™ Security Suite

Through device/user authentication and complete packet-level encryption, the Odyssey™ Product Series prevents network intrusion while also protecting your communication data—even passing wireless information from host system to a remote field unit.



Take Your Control System Network from Overload to Overdrive



### OptiBit™ Performance Suite

The Odyssey™ Product Series uses self-optimizing compression technology to reduce network packet size and more efficiently handle network communication, returning to you some of your network bandwidth.



It Takes the Trouble Out of Troubleshooting

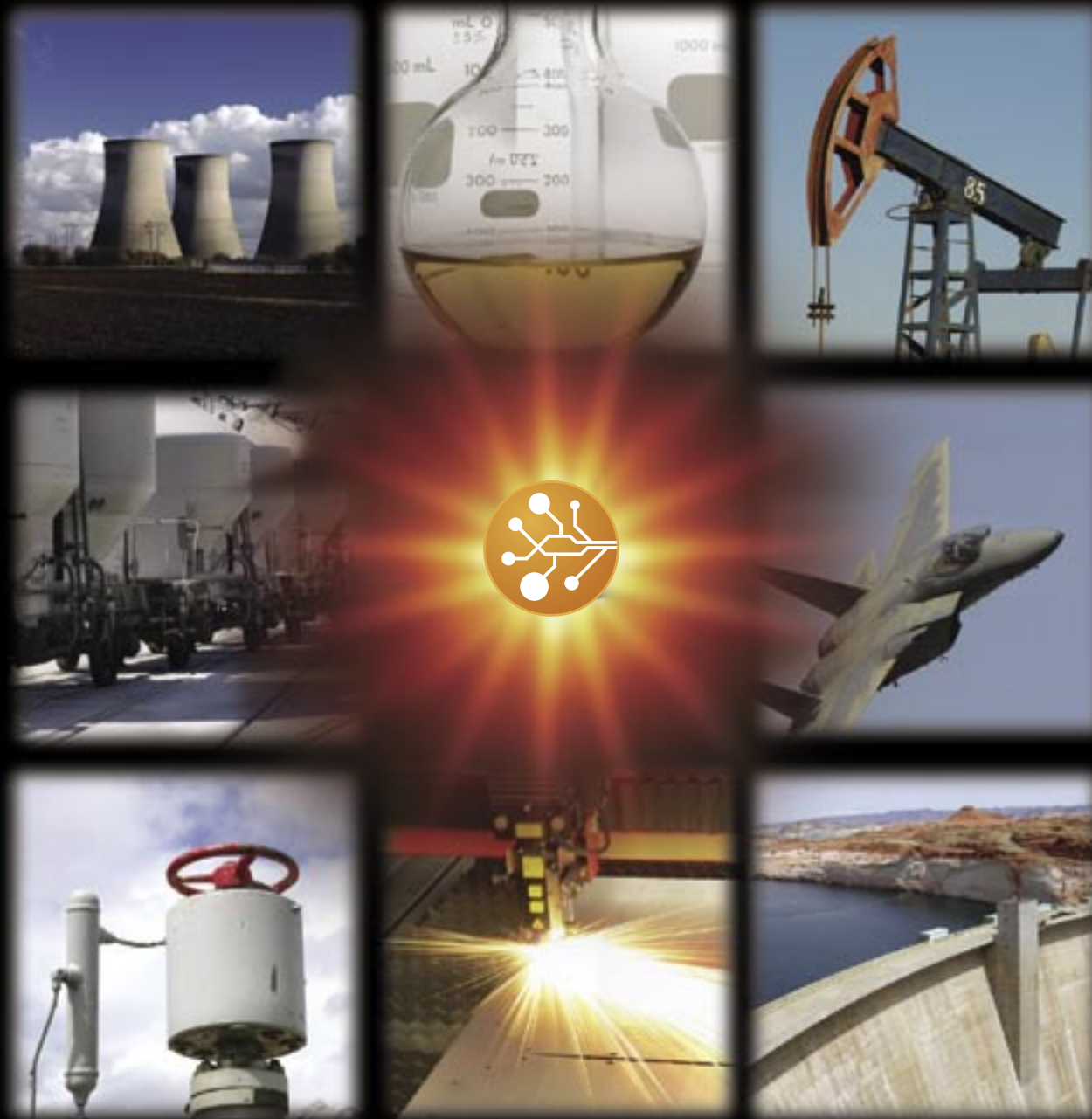


### PinPointer™ Diagnostics Suite

Sky-rocketing maintenance costs are caused in part by the host operator's inability to quickly diagnose remote problems due to the lack of system intelligence. The result? Multiple field personnel with different skill sets sent out to diagnose the problems. The Odyssey™ Product Series helps alleviate those costs by providing a centralized logging system for all network activity. With this feature, the host operator is much more informed about the geographic location of the problems and the root causes.

# THE ODYSSEY™ PRODUCT SERIES.

## EIGHT INDUSTRIES, ONE SOLUTION.



The first comprehensive, multi-industry, retrofit solution that can be installed into your existing network without restructuring your architecture. The list below represents just a sample of specific industries and issues the Odyssey™ Product Series addresses.

#### Electric Utility

- Electric distribution from EMS to RTUs and Control Points
- Distributed Control Systems
- Power generation
- Nuclear

#### Gas Utility

- Pipeline/gas transport control and monitoring (such as pumps, flow rates, compressor stations, etc.)
- Gas refinement plant control
- Natural gas field automation and control (including oil well monitoring)

#### Water

- Water treatment plant automation
- Water distribution monitoring and control (including pipelines, pumps, valves, gates, and flow meters)

#### Petrochemical

- Petrochemical plant automation

#### Transportation

- Automatic Train Control (i.e., controlling speeds of high-speed trains)
- Train Power Supply Control
- Centralized Traffic Control
- Airport runway monitoring and control

#### Oil

- Oil refinement plants
- Oil distribution pipelines

#### Manufacturing

- Manufacturing automation with Distributed Control System

#### Military

- Power systems
- Ground defense systems
- Air defense control systems
- Ship-to-shore data communications

# THE ODYSSEY™ PRODUCT SERIES. THREE COMPONENTS, ONE SOLUTION.

## THE ODYSSEY™ HOST SYSTEM. YOU COULDN'T ASK FOR A BETTER SUPERVISOR.



This web-based, platform-independent software provides complete control over all Odyssey™ Product Series functions including compression, encryption, and device/user

authentication and authorization. This centralized management feature gives the Host operator greater control of the control system.

## REMOTE SERVICE MODULE™. THE BEST MULTI-TASKER IN YOUR COMPANY.



THE REMOTE SERVICE MODULE™ IS EASILY INSERTED INTO EXISTING RACKS AND PROVIDES VISUAL INFORMATION ABOUT STATUS.

The Odyssey™ Product Series Remote Service Module™ (RSM) comes in a 1U rack mount or free standing unit and mounts between the network modem and the RTU. Once configured (via a laptop

using Hyperterminal) and turned on, the RSM is transparent to the network until it is remotely activated by the Host. After activation, the RSM utilizes proprietary Aegis Technologies security protocol

to authenticate the Host. After authenticating, the RSM awaits commands to encrypt and/or compress data. Additional status changes and control commands are issued by the Host.

## REMOTE MODEM DEFENDER™. WHY JUST SECURE YOUR CONTROL SYSTEM WHEN YOU CAN BULLET PROOF IT.



THE REMOTE MODEM DEFENDER™ IS EASILY INSERTED INTO EXISTING RACKS AND PROVIDES VISUAL INFORMATION ABOUT STATUS.

The Odyssey™ Product Series Modem Defender™ (RMD) comes in a 1U rack mount or free standing unit. This device is located between control points and the external modems that allow access to perform maintenance activities.

It prevents unauthorized access through telephone line by forcing the user to submit a password which is then sent to the Host computer for verification. Only when properly verified can a user gain access to the Control Point maintenance menus. The RMD fits in the Serial lines between the Modems and Control

Points. Each Modem Defender™ can attach to 4 phone lines and upon correct password authentication from the user, the RMD becomes a pass-through device and maintenance is carried out as if the RMD were not installed.

# CONTACT AEGIS TODAY

## CALL TOLL-FREE

### 800.546.1223



**PHONE** 800.546.1223 / **EMAIL** INFO@AEGISTECH.US / **WEB** WWW.AEGISTECH.US  
**AEGIS TECHNOLOGIES, INC.** 2020 N CENTRAL AVE / SUITE 200 / PHOENIX, AZ 85004