PROCENTEC®

Member of the HMS group.

PROFINET

EtherNet/IP

EtherCAT

PROFIBUS

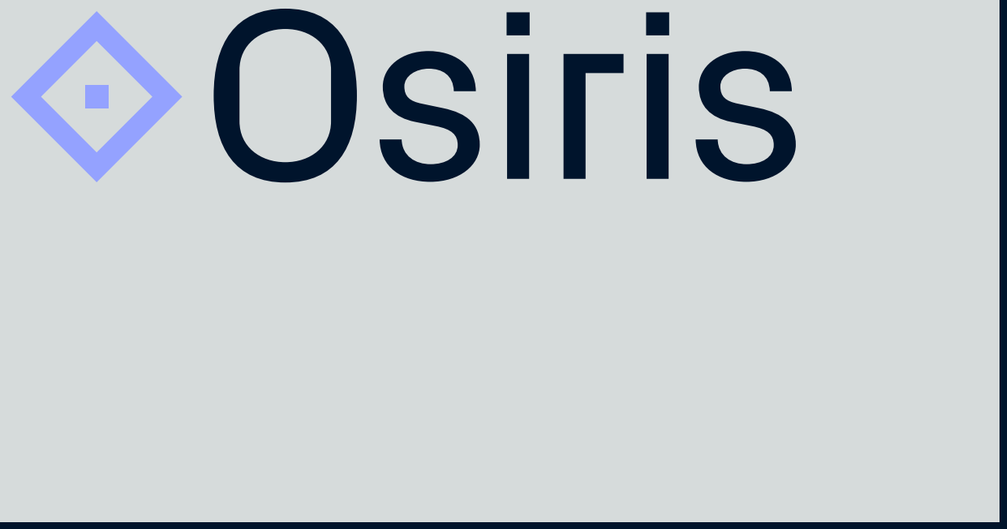
PRODUCT BROCHURE

Diagnostic software for multi- protocol networks

Osiris Software

Osiris

Osiris gives a unique insight into your industrial network's health and topology. This powerful software tool lets you remotely monitor your PROFINET, EtherNet/IP, EtherCAT and PROFIBUS installations from anywhere in the world. And it's intelligent enough to predict common and unique network issues, giving you the ability to prevent problems rather than react to them. The result? You maintain your uptimes and avoid costly service outages.



Why use Osiris?

- Minimizes the costs of monitoring your installation because it's the only diagnostic platform you need for mixed architecture networks.
- Gives access to the user-friendly dashboard via a web browser, so you can monitor your network without being on site.
- Analyses and visualizes real-time diagnostic data automatically, taking the guesswork out of troubleshooting device issues.
- Predicts faults quickly and accurately, so you can take preventative measures before your critical network crashes.
- New Osiris Enterprise fuses the results of multiple Atlas units into one overview to simplify the maintenance of complex networks.

Identify the cause of your network's issues in seconds

Wouldn't you rather predict faults than just detect them? Well, you can. Osiris now comes with add-on functionality: SNAP Analysis. This unique, self-learning feature automatically analyses the diagnostic data of a PROFIBUS network via ComBricks and Atlas. It gives an instant written diagnosis of a problem's most likely cause. Delphi, our virtual assistant, then shows how to troubleshoot the issue. Now there's no need to interpret complicated oscilloscope images and messages yourself.

New diagnosis interface software for EtherCAT

EtherCAT is gaining in popularity rapidly in many industries. No wonder. It's the fastest of the Industrial Ethernet protocols, it synchronizes with nanosecond accuracy, and there are no limitations to its topology. That's why Osiris now offers users an EtherCAT Master Diagnostics interface. It gathers all your network's live data into one place and analyses it, helping you easily assess your network's cyclic, software and hardware health.

Osiris Enterprise gives you fast, easy access to all your Atlas units

This new external software—and add-on to the Osiris platform—is perfect for large networks. It fuses the data of multiple Atlas units into one convenient overview, listing all your network's connected devices and letting you drill down to individual unit data. And because you access this overview via your PC, you can assess the health of your entire network remotely. Need to add another Atlas to your network? No problem. Osiris Enterprise lets you add as many as you want.

PROFIBUS Diagnostics with Osiris

With a Mercury and a ProfiCore Ultra, you can diagnose PROFIBUS networks too!
The Mercury is very easy to use and it combines all required elements to detect PROFIBUS faults.
Typical PROFIBUS failures such as noise, reflections, voltage drops, termination problems, double addresses, wire breaks and configuration faults are quickly identified. By being able to identify faults quicker, they are usually also resolved quicker, which leads to minimization of expensive downtime in your installation.

Customized topology, report builder and user notes

Osiris has many useful extras. You can tailor your topology icons for a more meaningful visual depiction of your network's configuration. Likewise, you can modify your reports by exporting specific sections, adding topology snapshots and including a corporate logo. There's even a dedicated Commissioning Wizard report. Want to add info or warnings to the network for others to see? You can add a Note to any device. Each one is saved with a timestamp and the author.

File Loading

File Loading allows you to create a snapshot of your industrial network's measurements and share it with others in separate locations. Easily accessible via the Osiris dashboard, this handy tool creates a password-protected zip file of all your network's Osiris measurements at any given moment.
This file can then be downloaded and emailed to colleagues and sub-contractors, who can upload and view it in off-line mode. Troubleshooting and remote engineer support is suddenly a whole lot easier.

> The days of sweating over waveforms graphs and diagnostic messages is over. All you need is SNAP Analysis.

Mercury 7

Product features

- → Automatic oscilloscope image and message interpretation via SNAP
- → Predictive algorithm that recognizes and learns from data patterns
- → Extended traffic light details and alarm centre with customizable levels
- → Instant technical advice via Delphi, our virtual engineering assistant
- → Single overview of all Atlas units via the new Osiris Enterprise platform

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Osiris Enterprise combines all detected network devices into one list, so you can see at a glance the status of your entire installation.

Device Grouping

Device Grouping is an Osiris feature that allows you to select a series of devices on your industrial network and put them into customized groups. Each group is assigned a name, a priority level and a unique colour of your choosing. Plus, a single device can belong to more than one group. Bundling network devices that you consider similar or important helps you locate and analyse them easily for maintenance purposes, whether you’re using the device list or the topology.

Commissioning Wizard
Verifying networks to international standards

With the Commissioning Wizard, we offer automated commissioning of PROFINET, Industrial Ethernet and EtherNet/IP networks. It is integrated in our Osiris software and is available on the Mercury and Atlas. Preparing PROFINET, Industrial Ethernet and EtherNet/IP certification reports was never this easy.

Smart commissioning

We believe in saving time for our clients. Therefore, we have created our Wizard as smart as possible. When the Commissioning Wizard is launched, it will check the current network condition. After performing the Quickscan, it will guide you through the next seven steps of the commissioning process. Results are shown in clear user-friendly screens that give immediate insight on valuable information such as double IP addresses, network loads and ARP requests. During the commissioning process, Delphi is there to assist, every step along the way working as your virtual network engineer.

Meet your virtual network engineer

Our diagnostics platform running on the Mercury and Atlas has a new exciting feature: Delphi.
With Delphi we have succeeded in sharing the knowledge we have built up over the past 20 years of performing diagnostics on industrial networks.
It offers guidance in plain everyday language and is your 24/7 virtual network engineer.

It begins delivering on this promise via our Commissioning Wizard for PROFINET and EtherNet/IP. The Commissioning Wizard checks your network during start up, or normal operations, following International Standards for Commissioning.
The Commissioning Wizard automatically walks you through the steps necessary to meet these standards, assisted by Delphi on every step of the way.

Network Compare Feature

Sudden changes to your Ethernet-based network—like a lost device or the installation of different firmware—can spell disaster if they’re unplanned, unauthorized or undiscovered. They could be the result of a malfunction or a sign of an intentional attack.
In the fight to keep your network secure and functioning, Network Compare is your first and foremost line of defence. The only thing that surpasses it is the fact that it comes free with Osiris.

Why use Network Compare?

- → Permanently monitors your network for any changes after you’ve created a snapshot of its status, providing an added layer of security.
- → Sends out a variety of alerts from the alarm notification centre whenever a change occurs, giving you time to act in an appropriate and timely manner.
- → Creates an exportable log of all notifications with a date and timestamp, allowing you to trace all changes and share vital information with others.
- → Sends out alerts via notifications, email, relays, MQTT/OPC-UA and traffic light warning system, giving you a choice in the way you’re alerted.
- → Configurable for new or missing devices, additional firmware and different device names and IP addresses, helping you target vulnerable parts of your network.

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