Why OmniSphere?

A dynamic healthcare environment creates productivity challenges for you and your staff. Data flowing through your institution increases every day. Most mechanisms to organize data into actionable information are time-consuming and lack the necessary scalability. You need a flexible, scalable solution to manage challenges with the business of ultrasound faced by your institution today.

That solution is OmniSphere.

Your day runs on information

Philips OmniSphere is an ecosystem of business and operational applications to help you manage your ultrasound workflow efficiently and enhance the return on your ultrasound investment. This software-only platform connects you to your Philips ultrasound systems and data. Use the power of that data and connectivity to generate actionable insights and enhance your productivity, whenever and wherever you want.
OmniSphere connects you to compatible Philips ultrasound systems through specialized applications. OmniSphere is designed with an architecture that includes both server and client applications software. Each of the elements is installed and connected within your networked infrastructure.

### Tools for data analytics and connectivity

OmniSphere applications provide data analytics and connectivity tools to help you gain operational efficiency and business intelligence for your ultrasound department. In addition to the OmniSphere server software, the following applications are available:

- Utilization Optimizer
- Remote Technical Connect

<table>
<thead>
<tr>
<th>Access robust, comprehensive analysis and reporting</th>
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<tr>
<td>· Allows for effective and efficient decision making</td>
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<td>· Provides utilization analysis</td>
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<tr>
<th>Enhance value</th>
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<td>· Enhances operational efficiency</td>
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<td>· Leverage low total cost of ownership</td>
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<tr>
<th>Keep your data secure</th>
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<tr>
<td>· Store data in house</td>
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<td>· Keep control of connectivity</td>
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**Utilization Optimizer** for the big picture

Information to drive optimization of purchasing, marketing, budgeting, resource utilization and scheduling decisions in your institution. Utilization Optimizer provides you with access to utilization data from all compatible Philips ultrasound systems connected to the OmniSphere server.

Data is presented via an intuitive dashboard and reports which are customizable to your needs. This provides both a high-level perspective for the hospital administration on how your institution’s ultrasound systems are being used, and also valuable, detailed information for department heads to make strategic daily decisions based on ultrasound system and resource usage.

Use your data to make more informed decisions about utilization
View as much or as little data as you need

With OmniSphere, you can filter data and view on screen or create customizable, searchable utilization reports with the ability to filter data by:

- Institution
- System
- Department
- Clinician (performing study)
- Study type
- Time frame

Utilization dashboard

Offers customizable dashboard views of utilization data

- Select up to six graphs, change and save the layout/dashboard
- Expand specific areas to display more information
- View based on system, transducer, exam type, clinician and referring physician
- Side-by-side comparison of the same chart with different filters applied

You can also print dashboard graphs and reports, view current status and request data from systems connected to the OmniSphere server. You can even sort incoming ultrasound data by study description, procedure and preset parameters so that you have the information most valuable to you.

View by system data

- Amount of time systems were used to complete exams compared with idle time
- Average amount of time that systems were used to complete exams compared with average idle time
- Number of exams performed by each system
- Number of completed procedures for each system
- Percentages of procedure types performed on all systems
- Average time to complete each type of procedure for each system

View data by transducer type or serial number*

- Amount of time that each transducer was used to complete exams
- Number of exams that each transducer completed
- Number of procedures for each transducer, by procedure type
- Amount of time each transducer spent completing each type of procedure
- Total amount of time each transducer was used, by ultrasound system

*Transducer serial number data is only available on EPIQ and Affiniti.
View by **study data**

- Number of exams performed by each clinician
- Number of procedures, by type, that each clinician completed
- Amount of time that each clinician spent performing procedures, by procedure type
- Average amount of time that each clinician took to complete a procedure, by procedure type

View by **referral data**

- Number of exams referred by each physician
- Number of procedures, by procedure type, referred by each physician
- Procedure time, by procedure type and referring physician
- Average amount of time for each procedure type, by referring physician

**Reports**

When you need to summarize the data, OmniSphere has customizable reports that make it easy to share your insights. Preview reports and export them to PDF, Word or Excel for further data analysis.
Remote Technical Connect for high productivity

Remotely support compatible Philips ultrasound systems to enhance productivity of your biomedical engineering department and technical support staff. Remote Technical Connect provides remote viewing and control of an ultrasound system for maintenance and technical support, including a support request feature that allows end-users to send a detailed request directly from the ultrasound system to all networked installations of the Remote Technical Connect application for follow-up.

You have made an investment in biomedical engineers. Now you can enhance that investment with benefits for the biomedical technician responsible for maintaining the institution’s ultrasound systems, and also the clinicians who manage the people and equipment in your ultrasound department. Remote Technical Connect is also valuable to hospital administrators and COOs who are interested in improving system availability, as well as department heads who need a quick support response to maximize system uptime.

Quick connect
OmniSphere provides a single-click remote connection to any active system. View online and offline ultrasound systems configured in OmniSphere.

Filter the list based on these key parameters:
- System name
- Serial number
- Institution
- Department
- Location
- Model
- System status
- Institution
- System status
- Department

Requests are easy
Managing requests in the Remote Technical Connect application allows you to:
- Select and view the request
- View the information related to system and contact details of the requester
- View request history
- Accept, reject, or archive the request (completed or rejected request only)
- Add notes to request
- Remotely connect to the ultrasound system with a single click
- Change the request status to complete

Any completed or rejected request that has been saved can be accessed through the archive window.

*Diagnostic log export is only available on EPIQ and Affiniti 2.0.0.249 or higher.
Remote Technical Connect dashboard
Offers customizable dashboard views of system connection and support request data

OmniSphere’s Remote Technical Connect enables the ultrasound Biomedical Engineer to resolve over 70% of commonly requested tasks remotely.

- Up to six interactive graphs
- Select, change and save graphs by layout/dashboard format
- View data by institution, equipment model, or department
- Expand specific areas of the graph to display more information
- Print and export data to PDF or Excel for further data analysis

On-cart
Utilization Optimizer’s on-cart components allow you to use the ultrasound system to schedule recurring export of logs to the OmniSphere database, view or cancel currently scheduled jobs, and view due date and expiration date of currently scheduled jobs.

Remote Technical Connect’s on-cart components allow users to submit technical support requests, including detailed problem description, contact information and push diagnostic log files, directly from the ultrasound system to the OmniSphere server.
The Administration Tools provide the environment to define the OmniSphere ecosystem, including sites, departments, users and systems. These tools also provide a backup and restoration of the OmniSphere database.

Configure your database
Create and maintain information about your OmniSphere ecosystem
• Set up and define site
• Set up and define user access
• Set up, define and connect systems
• Set up scheduled database backups
• Configure application auto log off timeout settings

Audit window to view all actions
View, filter and sort an event record of all of the actions performed in OmniSphere
• New site, user or system, added or deleted
• Custom report added or deleted
• New data imported
• User logged into or out of an application
• Site, user or system data modified
• Custom report settings changed and saved
• System login privileges restored to a locked-out user

Control your environment your way
• Set up and define sites, user access and systems
• Audit information by site, user or system
• Monitor modifications, import and export of data
• Restore access for locked-out users
**OmniSphere hardware requirements**

<table>
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<tr>
<th>Omnisphere server requirements</th>
<th>Utilization Optimizer client requirements</th>
<th>Remote Technical Connect client requirements</th>
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<tr>
<td>• CPU: 2 GHz or higher</td>
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<tr>
<td>• Operating system: Windows Server 2008 R2, Windows Server 2012 R3, Windows Server 2016, Windows 7 (64 bit) or Windows 10 Enterprise</td>
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<tr>
<td>• Memory: minimum 7.4 GB usable RAM</td>
<td>• Memory: minimum 3.7 GB usable RAM</td>
<td>• Memory: minimum 6.7 GB usable RAM</td>
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<tr>
<td>• Hard drive: minimum of 4 GB available space</td>
<td>• Hard drive: minimum 3 GB available space</td>
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<td>• The following will be installed with the Omnisphere software if it is not present on the computer:</td>
<td>• Display: 1024 x 768 or greater resolution; recommended aspect ratio 16:9</td>
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<tr>
<td>– Windows Installer 4.5 or later</td>
<td>• Media: USB 2.0 port</td>
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<tr>
<td>– Microsoft .NET 4.0</td>
<td>• Mouse with a spin wheel and standard Windows keyboard</td>
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<td>– Microsoft SQL server 2014</td>
<td>• The following third-party software and fonts will be installed with the Omnisphere software if it is not present on the computer:</td>
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<tr>
<td>– Express SP2</td>
<td>– Microsoft Report Viewer 2010 SP1 redistributable</td>
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<td></td>
<td>– CentraleSansCnd font</td>
<td>– Ultra VNC Viewer 1.1.8.6</td>
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<td>– Windows Installer 4.0</td>
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**Compatable Philips ultrasound systems**

Some features not available on all systems, please check with your sales representative to ensure compatibility.

• EPIQ 5 and 7 version 1.5 (Evolution 2.0) or higher
• Affiniti 50 and 70 version 1.5 (AOS 1.5) or higher
• Affiniti 30 version 1.0 or higher
• iU22 version 6.3.6.343 or higher
• iE33 version 6.3.6.343 or higher
• iU22 Diamond Select version 6.3.6.343 or higher
• iE33 Diamond Select version 6.3.6.343 or higher

Omnisphere is available in English, Dutch, French, German, Italian, Japanese, Portuguese, Simplified Chinese, Spanish and Swedish.

Omnisphere’s database accepts localized data from compatible ultrasound systems in English, Danish, Dutch, French, German, Italian, Japanese, Norwegian, Portuguese, Russian, Simplified Chinese, Spanish and Swedish.

*Omnisphere is not fully compatible with iU22 PercuNav configuration except with version 6.3.7.745 (Utilization Optimizer only).*