LIFENET® SYSTEM

INFORMATION. WHERE YOU NEED IT. NOW.
Treat patients better, faster and more efficiently. It’s the mission that every EMS agency and hospital works toward. Rescuers and clinicians know that in the quest to achieve this goal, access to the right information at the right time can make all the difference.

However, moving, storing and sharing data between people and devices can be cumbersome. You don’t have time to hassle with complicated technology—you need it to work for you every day, whether you are out in the field or in the hospital awaiting emergent data for your inbound patient.

The LIFENET System from Physio-Control is a suite of innovative products that connects field and hospital-based care teams to critical data needed for decision-making. The LIFENET System provides a reliable and secure web-based platform for capturing and sharing emergent patient data for immediate intervention and post-event review. It also supports quality assurance efforts with powerful data management tools, as well as applications helping you keep track of the equipment you use every day.

By providing hassle-free, fast access to relevant patient and device data, the LIFENET System helps you accelerate patient care flow, improve efficiency and enhance your clinical outcomes.
Any process is smoother and more efficient when everyone works together toward the same goal. By creating a platform that links the prehospital environment with the hospital environment simply and easily, the LIFENET System allows responders to focus on the patient—not the technology. The LIFENET System provides an integrated solution for managing emergent patient data, efficiently coordinating response teams within and between care areas, and reducing time to treatment.
Speeding up the care cycle

For STEMI patients, time is critical. The LIFENET System helps EMS teams start the clock earlier—and deliver the patient to the hospital with a better chance for a successful outcome.

When medics acquire a 12-lead ECG in the field, that information can be transmitted to the hospital while the ambulance is en route—with the press of a single button. This allows hospital teams to prepare for the patient, saving valuable time. With organizations placing greater focus on lean processes, being able to prepare ahead of the patient’s arrival, such as sharing a prehospital 12-lead ECG with other physicians for consultation, activating the cath lab when needed, or even pre-admitting a patient ahead of their arrival allows teams to work more efficiently. The LIFENET System helps you get the necessary information where and when you need it—so you can start the care cycle earlier, allowing the patient to move more quickly into and through the care process.

Streamlining the flow of patient information

For field teams, all it takes is a LIFENET Transmission Subscription and the required equipment for their LIFEPAK device. For hospital teams, the LIFENET Alert Subscription provides access to the system. With these products, EMS teams can send data from their LIFEPAK® devices in the field directly to the hospital. The hospital receives alerts and can review the patient’s data prior to arrival through LIFENET Alert. This allows a hospital to decide to either prepare the appropriate response teams or re-route the patient to another hospital for PCI—without an unnecessary stop at the referral hospital first.

A regional approach

Physio-Control believes strongly in the importance of a regional approach when it comes to STEMI patient care. The reality is that many hospitals and communities operate in an environment with mixed monitors/defibrillators in the field. The LIFENET Adapter enables data from multiple 12-lead management systems to be routed through the LIFENET System, allowing hospitals to standardize on one system to receive patient data from the field. This, in addition to our specific products for various types of hospitals, such as the LIFENET Alert Subscription and LIFENET Referral Hospital Subscription, make the LIFENET System ideally suited for a regional approach to patient care.
Today’s technology makes it easy to capture emergent patient data, but it can also add complexity to the job of storing, sharing and analyzing that information after the event. The LIFENET System simplifies the management of patient data after a case—saving you time and hassle.
Improving operational performance

Patient case data plays an important role in both the EMS and hospital environments. Whether it’s rescue personnel on the scene or medical units in the hospital, it’s essential to know how your teams are performing. Because critical decisions are often made in the midst of stress and chaos, a post-event review tool can help organizations achieve their quality assurance targets and raise the level of care.

**CODE-STAT™ Data Review Software** is a retrospective analysis tool that allows you to evaluate an entire event at a glance. CODE-STAT software annotates chest compressions onto the patient’s continuous ECG report and calculates CPR statistics such as compression rate and hands-off time. This enables you to measure, analyze and review the performance of individual rescue teams or medical units, target specific areas for improvement, and retrain personnel to meet performance goals.

Connecting to your data efficiently

**LIFENET Connect** allows EMS crews to wirelessly transmit LIFEPAK 12 and LIFEPAK 15 monitor data into CODE-STAT software via the internet, using the same internet connection you use to transmit 12-lead ECGs. This allows you to send LIFEPAK device data directly from the rig rather than having to manually transfer data at the end of a shift. This improves efficiency, reduces overtime costs and ensures those using CODE-STAT software have access to the information right away.

For LIFEPAK devices not connected to the internet, **DT EXPRESS™ Software** provides a convenient way to download information from a LIFEPAK device directly to a computer so it can then be sent to CODE-STAT software via the internet. Because every hospital and EMS agency has different needs and requirements, the LIFENET System was designed for flexibility to adapt to your operations.

Storing information for the long term

Information captured in the field is an important part of a patient’s medical record, and each hospital has different needs when it comes to managing and storing that data. **LIFENET Archive**, an add-on component to **LIFENET Alert**, allows you to store 12-lead ECG and vital sign reports on a local computer. **LIFENET Export** provides a simple way to send 12-lead ECG data to a hospital’s electronic record system, such as GE MUSE®, for integration into the longer-term patient record.
Keeping track of the status of your medical equipment is a constant challenge. When was the device last serviced? What’s covered under warranty? How many LIFEPAK monitors are in the field? Where are they located? LIFENET Asset is a web-based tool that allows you to track the details of your Physio-Control devices and other medical equipment.

OPERATIONAL MANAGEMENT
Take control of your operations

Using dashboard views, LIFENET Asset provides a quick overview of your assets including inspection status, device state and an overall breakdown by asset. For LIFEPAK devices, LIFENET Asset automatically downloads device details such as manufacturing configuration settings, last and upcoming service dates, and warranty and contract information. You can also initiate a service call directly from the website, making it as convenient as possible to keep your operations running smoothly.
With a reputation for developing reliable, rugged, trusted lifesaving devices, Physio-Control has extended that same quality and ingenuity to the LIFENET System. Our goal is to make your job easier every day by providing tools that are technologically advanced, yet seemingly effortless to use.

The LIFENET System runs on a web-based platform providing you with flexibility and reliability. As a subscription service, Physio-Control takes on the maintenance and equipment responsibilities, freeing up your IT department and not requiring you to spend resources on dedicated hardware and associated support costs. And, to get you started as quickly as possible, remote implementation services are included to allow you to get up and running with minimal impact on your operations—or your budget.

The LIFENET System is a simple, comprehensive way to manage and share patient- and operations-related data within and between agencies and care providers. Whether receiving alerts of incoming patients, doing post-event review, or tracking assets, the LIFENET System puts information in the hands of those who need it to make the best decisions.
## Clinical Management

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>LIFENET Transmission Subscription</strong></td>
<td>Core transmitting subscription for EMS. This allows EMS agencies to get their LIFEPAK device onto the LIFENET System so that it can transmit (device gateway also required, sold separately).</td>
</tr>
<tr>
<td><strong>LIFENET Alert Subscription</strong></td>
<td>Core receiving subscription for hospitals. This allows hospital-based care teams to receive information from the field, either through LIFENET Alert, text messages or emails.</td>
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<tr>
<td><strong>LIFENET Referral Hospital Subscription</strong></td>
<td>Core receiving subscription created specifically for referral hospitals. This allows referral hospitals to receive information from the field and share that data with PCI-capable hospitals to alert care teams of an incoming patient.</td>
</tr>
<tr>
<td><strong>LIFENET Alert</strong></td>
<td>Software included as part of the LIFENET Alert subscription that is downloaded on a hospital’s existing Windows PC. This allows hospital-based care teams to receive alerts and emergent data related to incoming patients.</td>
</tr>
<tr>
<td><strong>LIFENET Adapter</strong></td>
<td>Software installed on third party 12-lead management systems allowing 12-lead ECG images from competitive devices to be sent through the LIFENET System. This allows hospitals to standardize on one system to receive information and alerts from the field.</td>
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## Data Management

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<td><strong>LIFENET Archive</strong></td>
<td>LIFENET Archive allows storage of 12-lead ECG data on a local Windows® machine.</td>
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<tr>
<td><strong>LIFENET Connect</strong></td>
<td>LIFENET Connect allows patient case data to be sent to CODE-STAT software directly from the LIFEPAK device through the same device gateway used to transmit 12-lead ECGs. This allows medics to send data to CODE-STAT software directly from the ambulance.</td>
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<tr>
<td><strong>LIFENET Export</strong></td>
<td>LIFENET Export allows hospitals to export the information they received from the field into their downstream record management systems. Data can be exported directly into GE MUSE or other applications, such as Philips’ TraceMaster, that can import image files.</td>
</tr>
<tr>
<td><strong>LIFENET PC Gateway</strong></td>
<td>Software installed on a computer (i.e., a tablet PC) that can receive information from a LIFEPAK device and send that information to the LIFENET System using the computer’s existing internet connection.</td>
</tr>
<tr>
<td><strong>CODE-STAT Software</strong></td>
<td>Post-event review software which allows users to play back cases and provides access to continuous ECG data, chest compressions, and CPR statistics. This powerful QA/QI tool can help organizations meet AHA guidelines.</td>
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<tr>
<td><strong>DT EXPRESS Software</strong></td>
<td>Software used to download data from LIFEPAK devices into a computer.</td>
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## Operational Management

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<td><strong>LIFENET Asset</strong></td>
<td>Web-based tool to track both Physio-Control and other equipment.</td>
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As your trusted partner in saving lives, we offer a full suite of solutions from field to hospital, whether your need is emergency response or quality control analysis.

LIFEPAK® Defibrillators/Monitors

LIFEPAK 15 Monitor/Defibrillator
The LIFEPAK 15 monitor/defibrillator is the new standard in emergency care for ALS teams who want the most clinically innovative, operationally innovative and LIFEPAK TOUGH™ device available today. The 15 integrates Masimo Rainbow SET® technology that monitors SpO₂, Carbon Monoxide and Methemoglobin, includes a metronome to guide CPR compressions and ventilations and provides an option to escalate energy to 360J. An entirely new platform, the 15 is powered by Lithium-ion battery technology, incorporates the SunVue™ display screen for viewability in bright sunlight, and data connectivity to easily and securely collect and send patient information. Similar form factor and user interface with the LIFEPAK 12 defibrillator/monitor will ease transition and training costs.

LIFEPAK 12 Defibrillator/Monitor
Over 80,000 LIFEPAK 12 defibrillator/monitors are in use today—on rescue rigs and in hospitals worldwide. Feedback from this global community keeps us innovating—adding features to help you in your lifesaving work. The LIFEPAK 12 defibrillator/monitor packs multi-parameter therapeutic and diagnostic functions into a rugged, portable device. Use a tool that can tackle today’s patient care needs and adapt to tomorrow’s challenges.

Experience the legendary quality that has made LIFEPAK products and services the clear favorite around the world.
**LIFEPAK 20e Defibrillator/Monitor**

Building on the design of its predecessor, the LIFEPAK 20e defibrillator/monitor is compact, lightweight and easy to rush to the scene or use during transport. The 20e is highly intuitive to use, putting early, effective defibrillation into the hands of first responders. The 20e skillfully combines AED function with manual capability so that ACLS-trained clinicians can quickly and easily deliver advanced diagnostic and therapeutic care. Clinically advanced and packed with power, the 20e uses Lithium-ion battery technology that provides extended operating time for transporting patients from one area of the hospital to another and includes ADAPTIV biphasic technology up to 360 joules.

**LIFEPAK 1000 Defibrillator**

The 1000 is a powerful and compact device designed to treat cardiac arrest patients and provide continuous cardiac monitoring capabilities. Built-in flexibility allows the 1000 to be programmed for use by first responders or professionals and enables care providers to change protocols as standards of care evolve. A large, intuitive screen displays graphics and ECG readings that are clear and easy to read from a distance. The most rugged defibrillator in the LIFEPAK fleet, you can carry the 1000 with confidence into the harshest environments.

**LIFEPAK CR Plus Automated External Defibrillator**

Designed for minimally trained rescuers in commercial and public settings, the CR Plus guides the rescuer step by step with calm, clear voice prompts. Simple to use, it is built with the same advanced defibrillation technology used by EMS and hospital personnel.

**CPR Assistance**

**LUCAS™ Chest Compression System**

Designed to provide effective, consistent and uninterrupted compressions according to AHA Guidelines, the device is used on adult patients in out-of-hospital and hospital settings. Maintaining high-quality hands-free compressions frees responders to focus on other lifesaving therapies and enables them to wear seatbelts during transport.
LIFENET® SYSTEM

INFORMATION. WHERE YOU
For more than 50 years, Physio-Control, maker of the renowned LIFEPAK defibrillators, has been developing technologies and designing devices that are legendary among first response professionals, clinical care providers and citizens everywhere.