Physio-Control incorporated by Dr. Karl William Edmark, Seattle cardiovascular surgeon.

Prototype ‘breadboard’ DC defibrillator designed by Dr. Edmark. Previous defibrillators operated on AC power.

February 14, 1955

Heartbeat Indicator, Dr. Edmark’s first product and first instrument used to detect exact moment of a heart’s failure.

Computer pioneer, Steve Jobs born.

Hawaii is admitted as the 50th U.S. state.
1960

- **ECG monitor oscilloscope** displays a visual trace of a patient’s heartbeat.

- **Edmark Pulse Defibrillator**, developed from the original “breadboard” model.

- First successful DC defibrillation of a human patient by Dr. Edmark.

- **Pressure Pulsometer**, used to measure blood pressure from a finger or toe.

- Martin Luther King, Jr. makes his “I have a dream” speech.

- President Kennedy assassinated.

W. Hunter Simpson joins Physio-Control as president.

Office moved from Seattle’s Brooklyn Avenue to Second Avenue.

Monitor II for patient monitoring in intensive care and critical care areas.

LIFEPAK® 33 defibrillator/monitor, ‘90-day wonder’, designed, tested and manufactured in three months. First portable stand-alone defibrillator/monitor.

Edmark Central Flow heart valve developed to duplicate the human heart valve.

$1,000,000 in sales revenue.

Neil Armstrong becomes the first man on the moon.
First profitable year.

LIFEPAK 911 defibrillator/monitor, first 12-lead and stress test monitor.

LIFEPAK 2 defibrillator/monitor for use in the nation’s new emergency vehicle program. First portable defibrillator to allow ECG signal transmission by telephone.

Invivo oximeter, monitor for measuring blood oxygen saturation levels.

First pocket size calculators go on sale.

U.S. swimmer Mark Spitz wins 7 gold medals at the Summer Olympic Games in Munich, Germany.
1973

- LIFEPAK 1 portable defibrillator without a cardioscope.
- PDS 100 peritoneal dialysis system, our venture into kidney dialysis, for cleansing the blood of patients with non-functioning kidneys.
- Vietnam war ends.

1974

- LIFEPAK 2 defibrillator/monitor is first to offer non-fade display of ECG waveforms and cardioscope “freeze” capability.
- Headquarters moved from Second Avenue to new 100,000 square-foot facility in rural Redmond.
- LIFEPAK 3 defibrillator/monitor is first portable defibrillator to offer an integral ECG strip recorder.
- PHYSIO 260 home defibrillator, powered by ten flashlight batteries.
- PHYSIO 1440 cardiac care system defibrillator, ECG monitor and recorder.
- PDS 200 peritoneal dialysis treatment for kidney patients gained acceptance.
- $10,000,000 in sales revenue.
- U.S. President Nixon resigns.
- Vietnam war ends.
1975

- Formation of direct sales team through acquisition of the Medtronic sales division, previously the primary distributor for Physio-Control products.
- DOPLETTE® 10 miniaturized doppler probe allows noninvasive detection of pulse and blood flow irregularities.
- The LIFEPAK 5 defibrillator/monitor, smaller and lighter than earlier competition by 45 percent, is introduced. The 5 weighed only 19 lbs. and soon became the standard for prehospital use worldwide. Designed for use by paramedics and emergency field personnel, a modified LIFEPAK 5 unit accompanied the 65-member American Medical Expedition to Mt. Everest in 1981 and the China-Everest Expedition in 1982.
- Sony introduces Betamax video tapes and JVC introduces VHS.
- World’s first supercomputer, the Cray-1 can perform 240,000,000 calculations per second.
The modular design of the LIFEPAK 6 defibrillator/monitor increases flexibility in hospital acute cardiac care applications.

PDS 400 simplifies microprocessor-based peritoneal dialysis machine.

World’s first successful ‘test-tube’ baby is born - Louise Joy Brown.
Physio-Control becomes a wholly-owned subsidiary of Eli Lilly and Company.

CMS™ 6000 central monitor displays ECG and heart rate.

VSM® 1 vital signs monitor monitors ECG, pulse, temperature, and two blood pressures.

LIFEPAK® 7 defibrillator/monitor for emergency cart use is released.

Dedication of new 200,000 square-foot building on Redmond campus.

Mount St. Helens erupts in Washington State.

Space shuttle Columbia, the world’s first renewable spacecraft, makes its first flight.
Discontinuation of Dialysis Products Division and withdrawal from kidney dialysis market.

VSM 3 vital signs monitor, measures ECG and heart rate.

LIFESTAT™ 100 portable noninvasive blood pressure monitor for use in the prehospital environment.

LIFESTAT 200 portable noninvasive monitor provides blood pressure trending over time and heart rate.

VSM 2 vital signs monitor offers noninvasive blood pressure, ECG, heart rate and temperature.

Academy Award for best picture “Chariots of Fire.”

Sally Ride becomes the first American woman in space.
LIFEPAK 8 defibrillator/monitor with external transchest pacemaker for temporary pacing.

W. Hunter Simpson retires after 20 years as Physio-Control president.

LIFEPAK 100 automatic advisory defibrillator, designed for home use. Physician prescribed for use by spouses or companions of patients at high risk for sudden cardiac death.

CMS 8000 central monitor displayed heart rate, blood pressure, temperature, trending of up to three parameters for eight patients.

VSM 4 vital signs monitor monitors ECG, one invasive pressure, respiration, pulse and two temperatures. For intensive care and critical care areas.

VSM 5 vital signs monitor monitors ECG, two invasive pressures and two temperatures.

LIFESTAT 1600 pulse oximeter, for noninvasive measurement of oxygen saturation.

PHYSIO-CONTROL capnometer for measuring carbon dioxide in the exhaled air of a patient during surgery.

A joint American - French expedition locates the wreck of the RMS Titanic.

Russia’s Chernobyl Nuclear Power Station explodes.
Physio-Control launches the **LIFEPAK 10 defibrillator/monitor/pacemaker**. Specifically designed to meet stringent size, weight and durability requirements for the paramedic and the hospital transport markets, the 10 was the first portable defibrillator/monitor with an integral external pacemaker. This evolution of the LIFEPAK 5 defibrillator also added extra battery capacity and CODE SUMMARY™ critical event record.

**LIFEPAK 9 defibrillator/monitor** launches with CODE-SUMMARY critical event record documentation for collecting patient information.

Berlin Wall falls.
1990

LIFEPAK 9P defibrillator/monitor/pacemaker adds external pacing capability to the 9.

LIFEPAK 300 automatic advisory defibrillator is first user programmable defibrillator/monitor.

Hubble telescope launched into space.

Internet made available for unrestricted commercial use.

Democrat Bill Clinton elected as 42nd U.S. President.
LIFEPAK 11 monitor/defibrillator helps define the standard in prehospital 12-lead ECG management by obtaining an electrocardiogram (ECG) representation of the heart’s electrical activity recorded from electrodes on the patient’s body and providing a diagnostic tool in the prehospital setting.

CODE-STAT™ data management system is comprehensive, Utstein-based EMS software to track system and patient data.

Physio-Control acquires First Medic.

Bill Gates, founder of Microsoft becomes world’s richest individual worth £8.3 billion.

Nelson Mandela sworn in as South Africa’s first black President.
1997

- The **LIFEPAK 12 defibrillator/monitor** series revolutionizes acute cardiac care with expanded diagnostic and monitoring capability. The 12 packs multi-parameter, therapeutic and diagnostic functions into a single device designed for both prehospital and hospital users. The innovative platform design provides full-featured, escalating energy up to 360 joules and industry standard monitoring including SpO₂, EtCO₂, 12-lead ECG, NIBP and invasive pressures—all loaded into a single, portable device.

- **CODE-STAT Suite data management system** provides storage, tracking and analysis of key patient and system information.

- *Medtronic acquires Physio-Control.*

1998

- **LIFEPAK 500 automated external defibrillator** sets new standard for ease of use, maintenance and affordability.

- *Tony Blair becomes Britain’s youngest Prime Minister since 1812.*

- *Legendary singer Frank Sinatra dies at 82.*
Biphasic technology in both the **LIFEPAK 500** and **LIFEPAK 12** devices creates first full line of biphasic external defibrillators.

The **LIFENET® System** becomes the first data management solution to merge 12-lead ECG information across a tiered platform from the field (EMS) to the hospital emergency room or medical personnel’s handheld devices.

**LIFEPAK 12 defibrillator/monitor** further expands monitoring capabilities with the introduction of capnography and noninvasive blood pressure.

The Euro is introduced as the new European currency.
The LIFEPAK 20 defibrillator/monitor is released in the hospital marketplace. Compact and lightweight, the 20 combines AED functionality with manual capability.

The LIFEPAK CR® Plus automated external defibrillator (AED) launches as the first fully automatic AED (does not require the responder to push the shock button).

The 2000 Summer Olympic Games open in Sydney Australia. China dominates the diving competition for both men and women.

Former U.S. President Jimmy Carter wins the Nobel Peace Prize.
Physio-Control enters into an exclusive distribution partnership with Jolife AB and became the worldwide distributor of the LUCAS® chest compression system, which is designed to increase opportunities for improved patient outcomes and operational effectiveness by providing effective, consistent and uninterrupted chest compressions.

The launch of Facebook.
The LIFEPAK 1000 defibrillator is introduced as the newest AED in the market designed for professional responders. It is small, lightweight and sturdy, with a durability rating of IP55. In 2008 NASA evaluated 18 AEDs in the marketplace and selected the LIFEPAK 1000 defibrillator to protect astronauts aboard the International Space Station.

Building on the design of its predecessor, the LIFEPAK 20e defibrillator/monitor is introduced for a range of hospital settings. Ideal as a crash cart device, the 20e is highly intuitive to use, putting early, effective defibrillation into the hands of first responders. It skillfully combines AED functionality with manual capability so that clinicians trained in advanced cardiac life support (ACLS) 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.

Physio-Control releases the LIFENET® System as the first web-based STEMI (ST-segment Elevated Myocardial Infarction) management solution. The LIFENET System enables seamless, secure and flexible flow of 12-lead ECG data from prehospital to hospital to quickly identify STEMI patients. It also helps improve door-to-balloon time and reduce false-positive cath lab activations.

China hosts the Summer Olympic Games in Beijing. Jamaican sprinter Usain Bolt sets world records in 3 events and American swimmer Michael Phelps wins a record 8 gold medals.

China hosts the Summer Olympic Games in Beijing. Jamaican sprinter Usain Bolt sets world records in 3 events and American swimmer Michael Phelps wins a record 8 gold medals.
Physio-Control launches the LIFEPAK 15 monitor/defibrillator — the new standard in emergency care for ALS teams who want the most clinically and operationally innovative and LIFEPAK TOUGH™ device available today.

LUCAS® 2 chest compression system gains 510(k) clearance in the United States. Next generation product is electric, making it the lightest, most compact device available for mechanical chest compressions.

Barack Obama is inaugurated as the 44th, and first black President of the United States.

2009
2010

Physio-Control, Inc. announces acquisition of privately-held Jolife AB, developer and manufacturer the LUCAS® chest compression system.

Medtronic announces the divestiture of Physio-Control, Inc.

33 Chilean miners rescued having been trapped deep underground for more than two months.

Royal wedding of Prince William and Kate Middleton, April 29.
On January 30, 2012, Physio-Control is acquired by Bain Capital and is a stand-alone company.

Physio-Control launches two new products:
- TrueCPR™ coaching device
- CodeManagement Module™ for the LIFEPAK 20/20e defibrillator/monitor.

On January 31, 2014 Physio-Control acquires Sansio, a leading provider of SaaS (Software as a Service) healthcare information management solutions.