

Grounded upon four key pillars – safety, intuitiveness, efficiency and patient-tailored care—Essenz is a complete system designed, validated and tested with more than 300 perfusionists, to provide clinical wisdom and a value-added solution to thrive into the New Era of Perfusion.



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Intuitive

- Short learning curve thanks to the intuitive user interface
- Continuously recorded data and events that enhance traceability and support the perfusionist during and after the CPB procedure
- World-class technology platform to allow continuous advancements

Essenz™ Perfusion System Intro Benefits Key components Our approach Learn more ISI

The Wisdom of Breath and Beat

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Patient-tailored1

- Accurate sensing technology, including the Essenz In-Line Blood Monitor (ILBM) powered by B-Capta sensing technology, and official formulas to support the implementation of Goal-Directed Perfusion (GDP) therapy2
- Essenz Patient Monitor with embedded clinical logic to support data-driven clinical decision making3
- Mast mounted pumps to minimize priming volumes and thus reduce hemodilution3

Preventive Strategies for Minimizing Hemodil
 Coal Director Reducion to reduce Acute Kide

injury: A Randomized Trial Parucci M. et al. | Thorac Cardiovasc Surg. 2018 Nov;156(5):1918-07 cardiothalc and vastural artesized 21(0):07,107,033,000 injury: A Randomized Trial Parucci M. et al. | Thorac Cardiovasc Surg. 2018 Nov;156(5):1918-272,e2. doi.org/10.1016/j.jtcv.2018.04.045

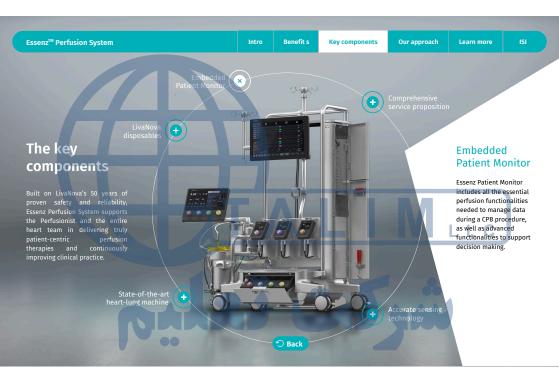
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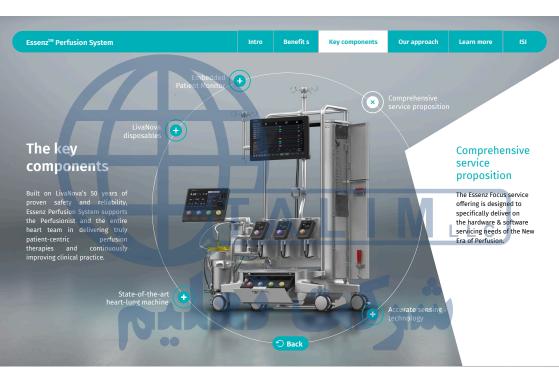


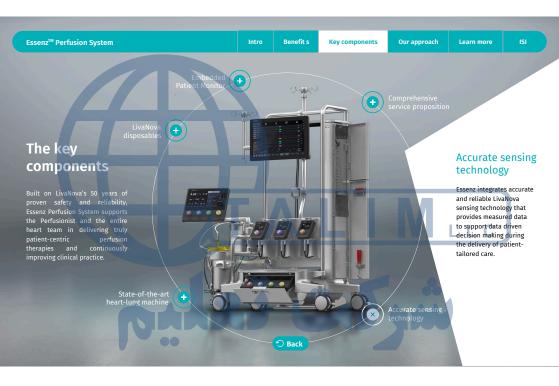
Flexible & efficient

- Versatile system that can be adapted to individual needs of patients, workflows and users
- Ergonomic design and advanced cable management for an efficient experience
- Seamless integration with OR external devices and hospital information systems













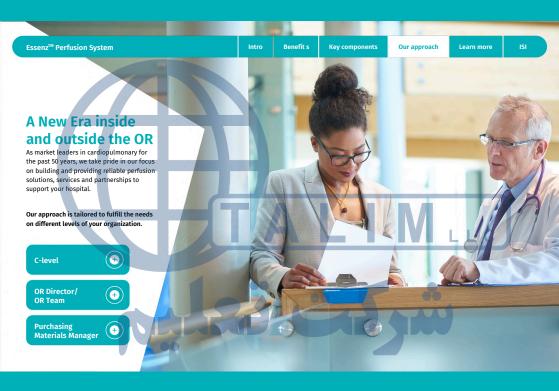


proven safety and reliability,
Essenz Perfusion System supports
the Perfusionist and the entire
heart team in delivering truly
patient-centric perfusion
therapies and continuously
improving clinical practice.

State-of-the-art heart-lung machine













C-level



Purchasing Materials Manager





By unlocking the potential of individualized care, Essenz intra-operative Quality Indicators will help drive informed decision-making for the entire OR team.



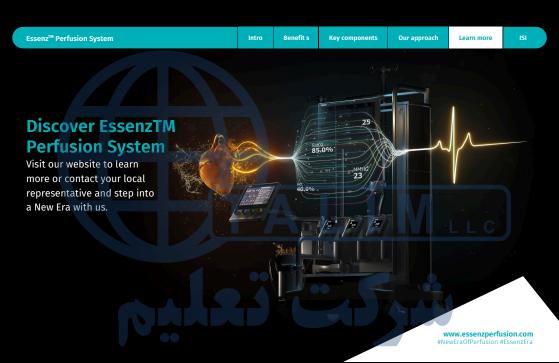
By fully integrating with the hospital infrastructure, Essenz ensures continuity of care by enabling seamless processes and workflows, and flexibly adapts to your security and data protection

s t andards.



A blended training approach, including on-site, eLearning, and simulation sessions, allows the full perfusion team to be onboarded and make the most of the EssenzTM Perfusion System.





EssenzTM Perfusion System Important Safety Information

Heart-Lung Machine with Integrated Essenz In-Line Blood Monitor (ILBM)

The Essenz Heart-Lung Machine is intended to perform, control, monitor and support extracorporeal blood circulation replacing the mechanical pumping function of the heart, monitoring and regulating physiologic parameters during procedures requiring extracorporal circulation.

US: Ssenz HLM is intended to be used during cardiopulmonary bypass for procedures lasting six (6) hours or less. Essenz ILBM is indicated for supplementary, in-line monitoring of the extracroproeal arterial oxygen partial pressure, venous oxygen saturation, venous hematocrit/hemoglobin, and arterial and venous temperature during cardiopulmonary bypass procedures up to six hours.

Essenz Patient Monitor

The Essenz Patient Monitor software is a modularly structured software program package that is exclusively used with LivaNova heart-lung machines. The system allows detailed recording of perfusion data during cardiopulmonary bypass procedures as well as the processing and evaluation of this data. The data may be recorded automatically or entered manually. The LivaNova Perfusion System Monitor is a panel Pc intended to be exclusively used with LivaNova heart lung machines as a base and user interface for the Essenz Patient Monitor software.

CONTRANDICATIONS: No contraindications are known if the devices are used for the purpose described and in accordance with the stated operating conditions. Do not use the devices for any purpose other than indicated.

WARNINGS: The devices must be used in accordance with the

WARNINGS: The devices must be used in accordance with the instructions for use provided. For a complete listing of warnings please refer to the Instructions for Use. Medical intervention and therapeutic procedure must not be based solely on the Essenz Patient Monitor perfusion records (reports).

PRECAUTIONS: Federal law (U.S.A.) restricts these devices to sale by or on the order of a physician. For a complete listing of precautions/ cautions please refer to the Instructions for Use. The devices should be used by qualified and skilled personnel, able to follow the indications and instructions for use contained in the information provided by the manufacturer.

Essen In-Line Blood Monitor and B-Capta Blood Gas Monitor are clinically equivalent in terms of safety and performance as they have the same technology and intended use. Not approved in all geographies, consult your labeling, Please visit the LivaNova website to receive instructions for use containing full prescribing information including indications, contraindications, warnings, precautions and adverse events. Legal Manufacturer: LivaNova Deutschland Lindberghstrasse 25 D-80939 Munich

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