

ESSENZA 100 & 200

LINET

Perfection at the Core, Simplicity in Care



The Core Acuity Hospital Bed

GLOBAL NURSES' SHORTAGE

Nurses are the caring hands that hold us through our most vulnerable moments, offering comfort and strength when we need it most. A global shortage and an aging workforce mean nurses are stretched thin, sacrificing their well-being to ensure others' comfort and safety. Countless nurses endure back pain, while others bear the crushing weight of burnout. And most heartbreaking of all, many feel they don't have enough time to provide the comfort their patients deserve.

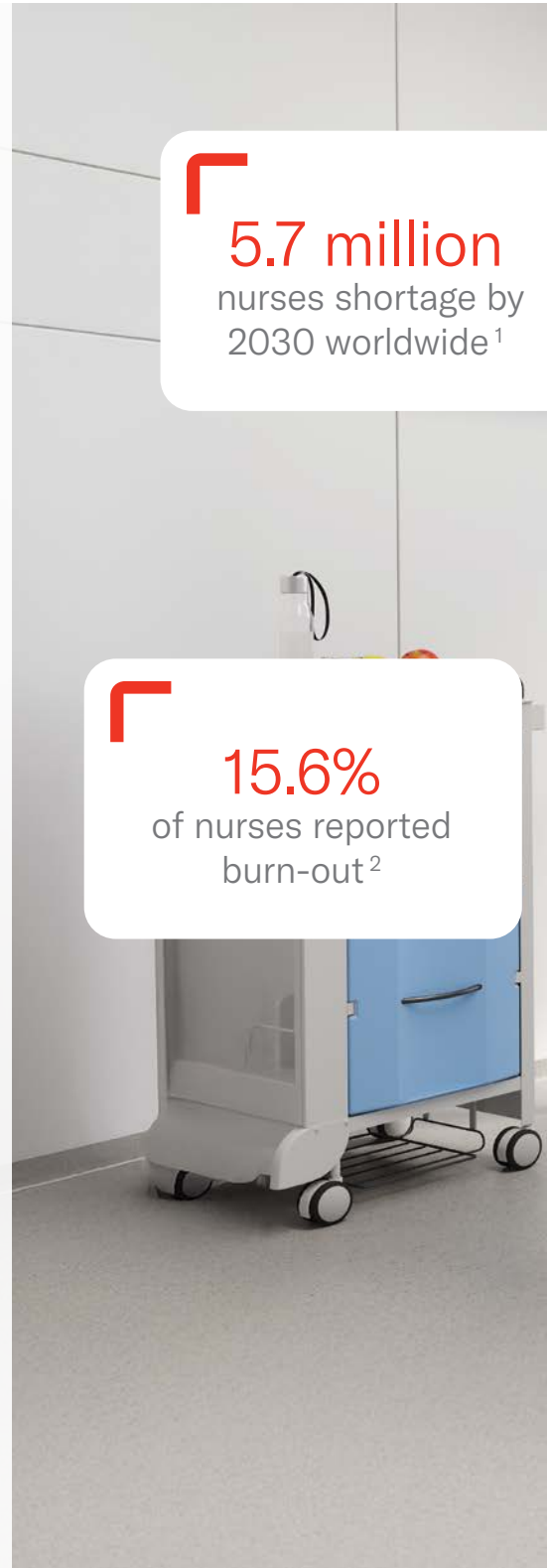
The Essenza 100 & 200 was created with these challenges in mind. Its simple and reliable design allows nurses to focus on what's most important—caring for their patients with kindness and skill. Every part of the design aims to give patients more comfort and independence, which saves caregivers time and supports nurses in their work.

It is about bringing back the foundation of care, where safety and comfort come together. It is about

**Perfection at the Core
and Simplicity in Care.**

5.7 million
nurses shortage by
2030 worldwide¹

15.6%
of nurses reported
burn-out²





52 years
is the median age
of nurses ⁴

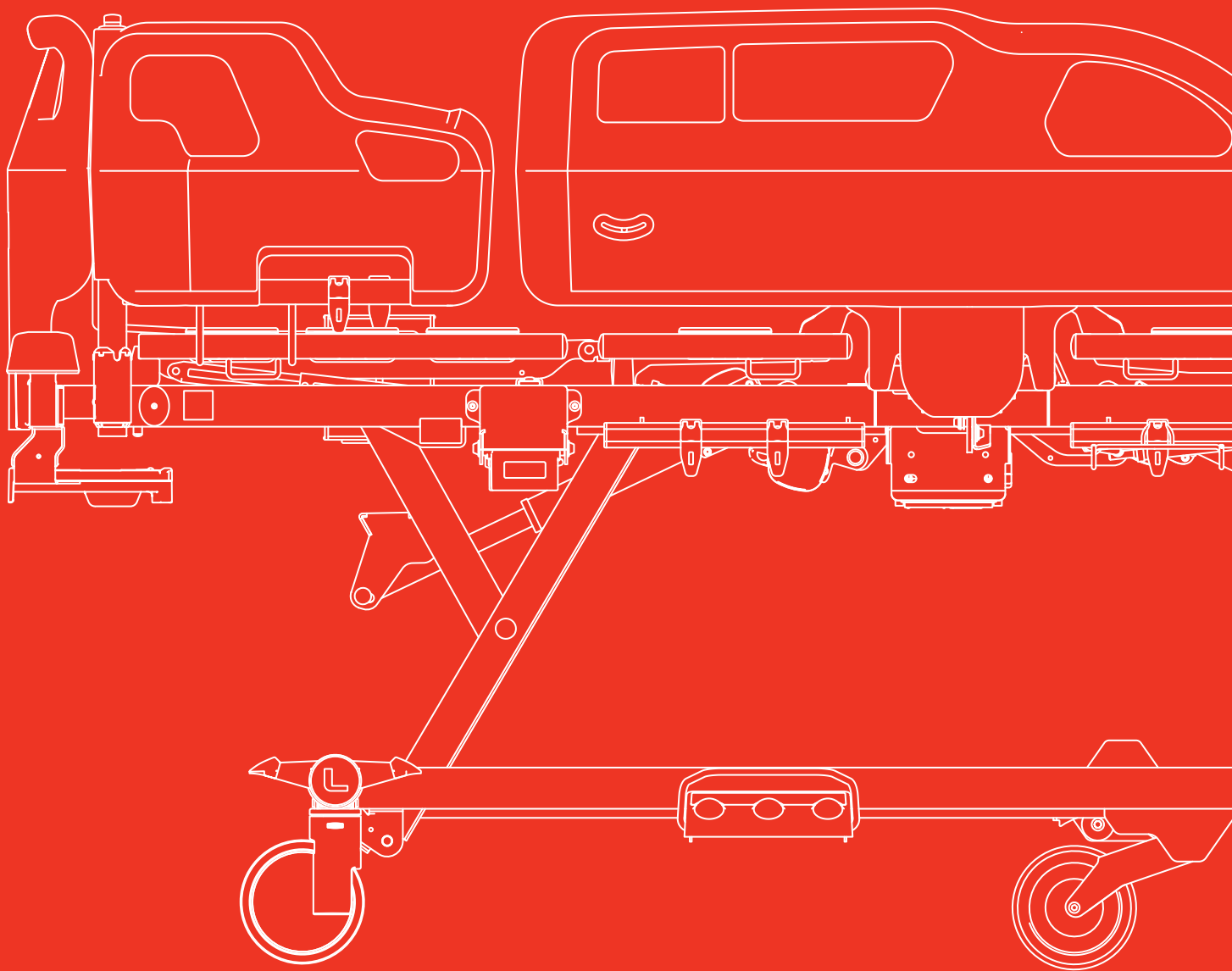
47%
of caregivers reported
back pain ⁵

76%
of nurses don't have
enough time to
comfort the patient ³

ESSENZA 100 & 200

PERFECTION AT THE CORE, SIMPLICITY IN CARE

A core acuity hospital bed designed to simplify care for caregivers while ensuring safety and comfort for patients.



NURSE- AND PATIENT- CENTERED ERGONOMICS & MOBILIZATION



Mobi-Rail® increases stability for the patient and reduces physical effort for both the caregiver and the patient.⁶



Variety of Control Elements ensures ease of use for both patients and caregivers, improving accessibility and operation.

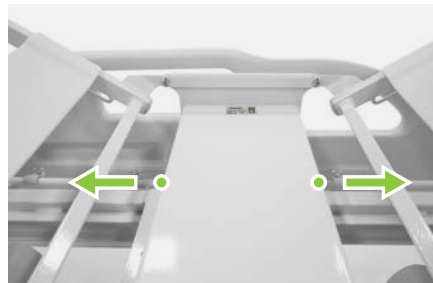


SoftBrakes® ensure effortless pedal activation offering a 56–93% force reduction compared to the maximum acceptable level.⁷

DESIGNED FOR SAFETY, MADE FOR COMFORT



3 Siderails Concept protect individuals with reduced mobility from falling during sleep.



Ergoframe® increases patient comfort and reduces the peak pressure in pelvic area by 16%.⁸



Wide range of mattresses provides high patient comfort and prevents pressure injuries.

ADVANCED TECHNOLOGIES ELEVATING EFFECTIVENESS AND WELL-BEING



SafeSense 3 helps to save time by giving a remote overview of the patient.



SmartTracking facilitates caregivers' daily work by tracking hospital assets or patients.



DesignInk® contributes to reducing patient fear and anxiety while improving the working environment for caregivers.⁹



ENHANCED PATIENT OUTCOME



EARLY MOBILIZATION

Mobi-Rail® & Mobi-Grips promote early mobilization programs which positively impact the length and the costs of hospital stays.¹⁴



PRESSURE INJURY PREVENTION

Ergoframe® & wide range of mattresses enhance patient comfort and pressure relief, addressing various levels of injury risk with tailored support solutions.



FALLS PREVENTION

The 3 siderail concept and safety features like brake alarm & bed exit alarm by SafeSense provide enhanced protection and reduce the risk of patient falls.



IMPROVE PATIENT EXPERIENCE

Patient empowering controls, DesignInk® customization and convenient features like USB integration & overbed table compatibility enhance comfort and autonomy, reducing stress and improving the patient experience.

IMPROVED CAREGIVER & HOSPITAL WORKFLOW



SAFE PATIENT MOVING & HANDLING

Foot controls, Ergoframe® & Mobi-Rail® support safe and ergonomic patient handling, reducing caregiver strain and improving patient positioning.



EASY PATIENT TRANSPORTATION

The 5th castor, low bed weight and central brake system ensure easy maneuverability and safer patient transportation.



SIMPLIFY CAREGIVER PROCEDURES

Caregiver empowering controls and smart solutions like SafeSense & SmartTracking streamline workflows, saving time and reducing the burden on staff for more efficient care.



HOSPITAL OPERATIONS EFFICIENCY

Standardized accessories and a seamless design of mattress platform simplify cleaning and reduce infection risks, while Mobi-Rail® keeps drainages and urine bags secure and visible.



EARLY MOBILIZATION

CHALLENGE

- Complications associated with long hospital stay.¹⁰
- Longer length of hospital stay due to immobility.¹¹
- Increased costs for the hospital.¹²

\$2,607

Average daily costs
of hospital care¹²

6.59 days

Average length of stay
at acute care ward¹³

\$9,300

Total hospital care
costs per stay¹²



SOLUTION

Mobi-Rail® & Mobi-Grips promote early mobilization programs which can impact the length and the costs of hospital stays.¹⁴

Length of hospital stay decreased by
1.5 days^{14, 15}

In Hospital Falls reduced by
37%¹⁴

Hospital associated infections reduced by
60%¹⁴

	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
MOVEMENTS					
CRITERIA	BED IMMOBILE Clinically stable, but not able to cooperate in care.	BED ACTIVE Able to cooperate in self-care and bedbound.	ABLE TO SIT Strong enough to sit upright and able to move leg against gravity.	ABLE TO STAND Increased strength for standing activities and actively participates in transfers to chair.	ABLE TO WALK Tolerates walking in the room and independently transfers to chair.
SOLUTIONS	- Reverse Trendelenburg - Vascular leg position - Head of Backrest	- Reverse Trendelenburg - Vascular leg position - Head of Backrest - Cardiac chair* - Mobi-Grips*	- Cardiac chair* - Mobi-Grips* - Mobi-Rail®*	- Mobi-Grips* - Mobi-Rail®*	- Mobi-Grips* - Mobi-Rail®*

MOBI-RAIL®

The Mobi-Rail® combined with the bed height adjustment improves patient stability during egress, reducing lower limb strain by 47% and lower back strain by 41% on average compared to standing without mobilization tools.⁶





PRESSURE INJURY PREVENTION

CHALLENGE

- Worldwide prevalence of HAPI varies from 6–18.5% in acute care segment.¹⁶
- Pressure injuries can develop within minutes of immobility.¹⁷

The cost of treating pressure injuries varies
from £1,214 to
£14,108³³

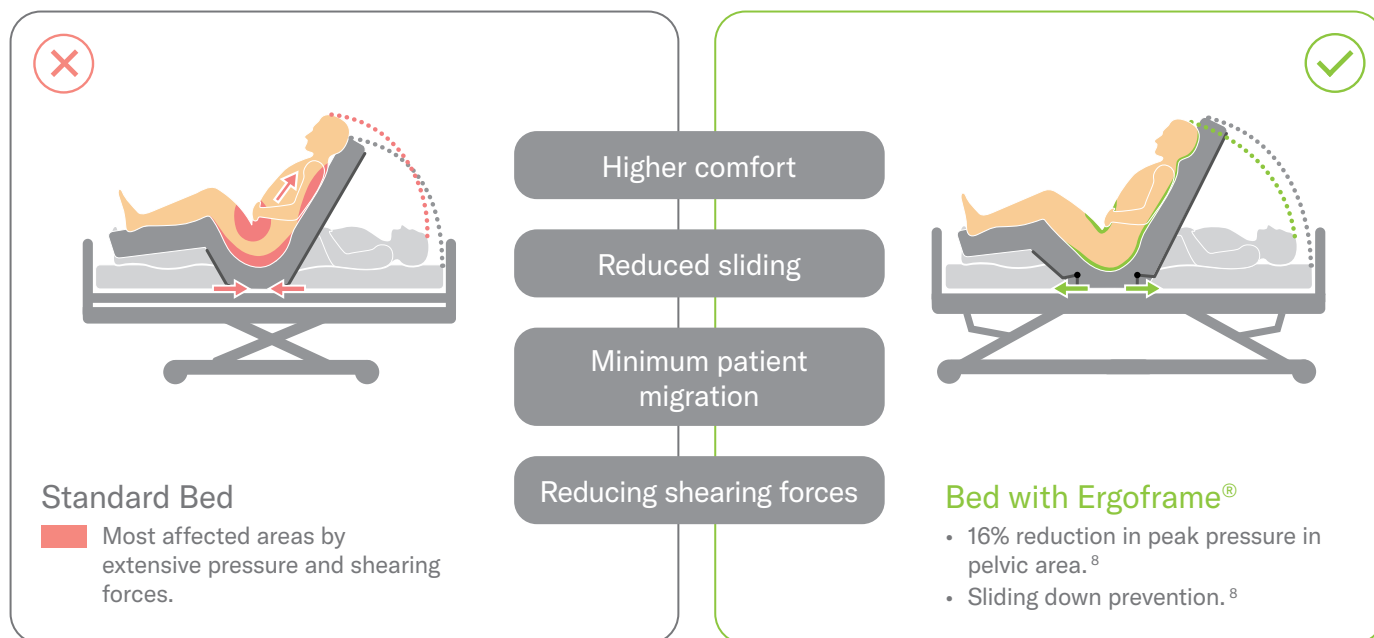


SOLUTION

Ergoframe® & wide range of mattresses offer enhanced patient comfort and pressure relief, addressing various levels of injury risk with tailored support solutions.

ERGOFRAME® (AUTO-CONTOUR)

Unique frame design increases patient comfort and reduces peak pressure in the pelvic area by 16%.⁸



WIDE RANGE OF MATTRESSES FOR ESSENZA

To provide high patient comfort and prevention of pressure injuries, LINET offers a wide choice of mattresses for Essenza according to the needs of patients with different risk levels of pressure injury development.



Active Mattresses

Virtuoso mattress family, utilizing 3-cell alternating technology, and Air2Care mattress family, featuring 2-cell alternating technology.



Hybrid Mattresses

HybriMatt® mattress family, offering a combination of active and passive systems in one.



Passive Mattresses

ViskoMatt® mattress range, including a viscoelastic foam layer, as well as advanced MediMatt mattresses.



FALLS PREVENTION

CHALLENGE

- Falls are one of the most commonly reported patient safety incidents in the hospital setting.¹⁸
- **84.8%** of falls happen unwitnessed.¹⁹
- **27%** of falls happen when a patient tries to leave the bed.²⁰
- The cost of **£2,600** per patient fall.³⁴



SOLUTION

The 3 siderail concept and safety features like brake alarm & bed exit alarm by SafeSense provide enhanced protection and versatility, reducing the risk of patient falls.

3 SIDERAIL CONCEPT

Prevents falls for patients with reduced mobility by adjusting between $\frac{3}{4}$ and full siderail protection. This adaptable feature delivers multiple benefits:²¹

- Enhances safety and versatility
- Provides full protection
- Offers an escape route for confused and agitated patients²¹



BRAKE ALARM



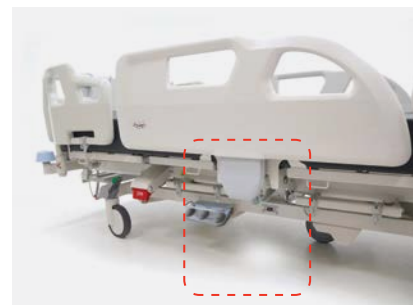
The bed automatically emits an audible signal when it is left unbraked while the main power cable is connected.

LOW BED HEIGHT INDICATOR



The green LED light is triggered when lowering the bed to the lowest position.

NIGHT LIGHT



Undercarriage light helps with the patient orientation in the room over night.

BED EXIT ALARM BY SAFENSENSE

Notifies staff whenever a patient leaves the bed and provides continuous monitoring with bed exit notifications. It helps prevent fall incidents and enables quicker reactions to patients at risk of falling.





IMPROVE PATIENT EXPERIENCE

CHALLENGE

- Stressful environment.²²
- Painful movements.
- Lack of autonomy causes stress to patients which impact blood pressure, and weaken immune system.²³



SOLUTION

Patient empowering controls and convenient features like **USB integration & overbed tables compatibility** enhance comfort and autonomy, reducing stress and improving the patient experience.

PATIENT EMPOWERING CONTROLS

Patient can easily reach bed controls while sitting or lying.

Handset Controller



Designed for use by both patients and caregivers.

Handset



Advanced patient controller.

Integrated Controls



Allow the patient to easily position the backrest and thigh rest.



DESIGNINK®

Contributes to reducing patient fear and anxiety while improving the working environment for caregivers.⁹



OVERBED TABLES COMPATIBILITY

Self-service overbed tables influence the comfort of patients with reduced mobility.



USB INTEGRATION

The integrated USB port allows smart devices to be utilized safely from the bed.



SAFE PATIENT MOVING & HANDLING

CHALLENGE

- 20% of nurses' working time is spent by patient mobility and handling.²⁴
- Caregivers are still at top of the number of work-related MSD's.²⁵



SOLUTION

Foot controls, Ergoframe® & Mobi-Rail® support safe and ergonomic patient handling, reducing caregiver strain and improving patient positioning.

MOBI-RAIL®

Reduces the physical effort for both the patient and caregiver, as well as the number of caregivers needed to assist in the patient's mobilization.



MOBI-GRIPS

Ergonomic grips in the siderails support patients during turning and standing, making the process smoother and easier for caregivers.



FOOT CONTROLS

Easy control of the hospital bed ensures ergonomic positioning for caregivers and effective patient handling.





EASY PATIENT TRANSPORTATION

CHALLENGE

- Pushing and pulling occupied beds is considered a high-risk task for developing MSD's because of spinal load. ²⁶
- Maneuverability of the bed in narrow hospital corridors.



SOLUTION

The 5th castor & central brake system ensure easy maneuverability and safer patient transportation.

5TH CASTOR



Enables turning and maneuvering the bed with less effort even in narrow corridors or around corner.

SOFTBRAKES®



SoftBrakes® ensure effortless pedal activation offering a 56-93% force reduction compared to the maximum acceptable level.⁷

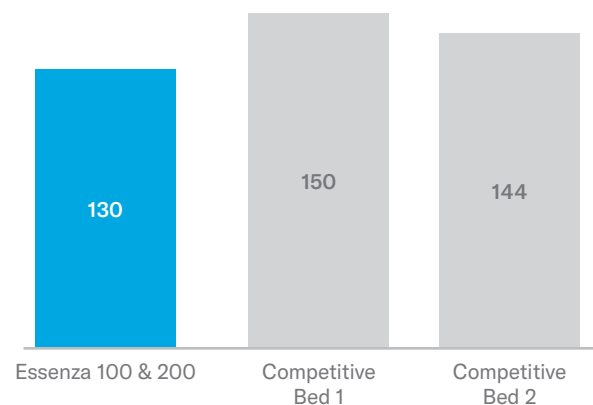
CENTRAL BRAKE SYSTEM



The Essenza pedals are easily accessible and ensure an ergonomic posture while braking the bed.⁷

LOW BED WEIGHT

Lighter bed frame (weight kg)



Lighter bed frame and more compact dimensions make transport and maneuvers easier, especially in narrow corridors and small spaces.



SIMPLIFY CAREGIVER PROCEDURES

CHALLENGE

- Patient care can be compromised because of the insufficient number of registered nurses.²⁷
- 15.6% of nurses reported burn-out.²⁸
- Nurses often work under high pressure, frequently needing to multitask, which accounts for 34% of their working time.²⁹
- 41% of caregivers suffer a lack of time.³⁰



SOLUTION

Caregiver empowering controls and smart solutions like **SafeSense & SmartTracking** streamline workflows, saving time and reducing the burden on staff for more efficient care.

CAREGIVER EMPOWERING CONTROLS

Standardized designs simplify the training process, enabling staff to become proficient with equipment quickly

Handset Controller



Allows basic functions to be operated from anywhere on the bed.

Integrated Controls



Convenient positioning allows for easy bed adjustments.

Foot Controls

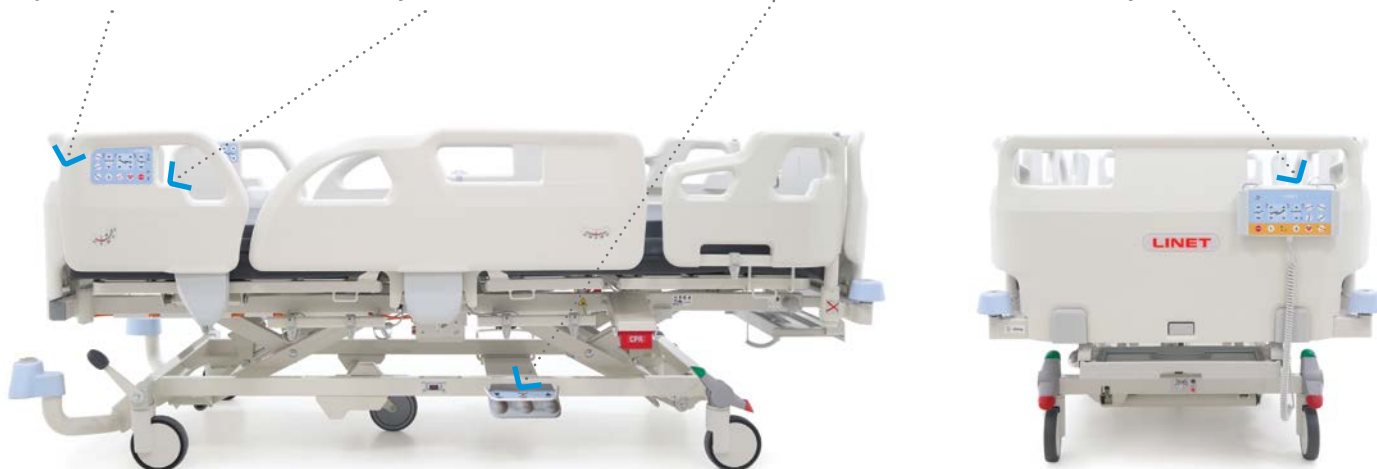


Enables hands-free height adjustment.

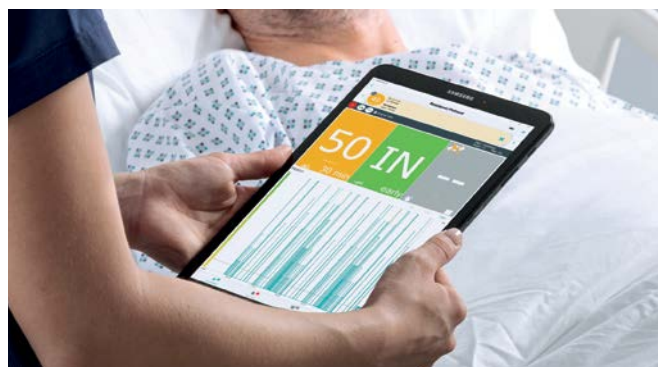
Attendant Control Panel



Within easy reach from any position, allowing bed adjustments.

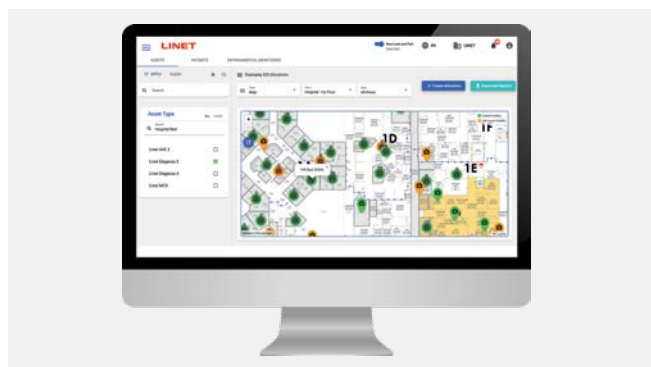


SAFESENSE



Smart care solution which helps to save time by giving a remote overview of the patient and reduces number of unnecessary operations.

SMARTTRACKING



A unique smart concept that performs assets and patient tracking and enables caregivers to find equipment remotely with room-level accuracy.



HOSPITAL OPERATIONS EFFICIENCY

CHALLENGE

- The need for fast and effective cleanability of the equipment and prevent infection.
- The most contaminated surfaces in patients rooms are the flat surfaces incl. floor, but also hospital bed, mattresses and furniture.³¹
- More than one-third of nurses spend at least an hour per shift finding equipment.³²



SOLUTION

Standardized accessories and a seamless mattress platform simplify cleaning and reduce infection risks, while Mobi-Rail® keeps drainages secure and accessible.

ACCESSORIES COMPATIBILITY ACROSS THE ESSENZA FAMILY

A standardized line of accessories ensures compatibility with Essenza 100, 200, and 300. This standardization delivers key benefits:

- Enhances workflow for healthcare professionals across all departments
- Reduces variability caused by incompatibility issues



MOBI-RAIL® AS AN IDEAL PLACE FOR DRAINAGES



Mobi-Rail® offers ideal place for drainages, protecting them from bed movement and contamination from floor, while keeping them always visible for regular check-ups.

SEAMLESS DESIGN OF MATTRESS PLATFORM



The mattress platform is made of one-piece plastic sections that are removable, easy to clean and disinfect with no sharp edges or corners.

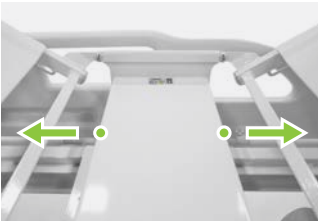
KEY FEATURES OVERVIEW



Mobi-Rail® reduces physical effort.⁶



Variety of control elements ensures ease of use.



ErgoFrame® makes patient positioning more comfortable.



DesignInk® for personalized, aesthetic siderail designs.



Low bed height indicator is triggered when lowering the bed to the lowest position.



SoftBrakes® ensure effortless pedal activation.



Fixed position of lifting/IV pole due to the chassis adaptor.



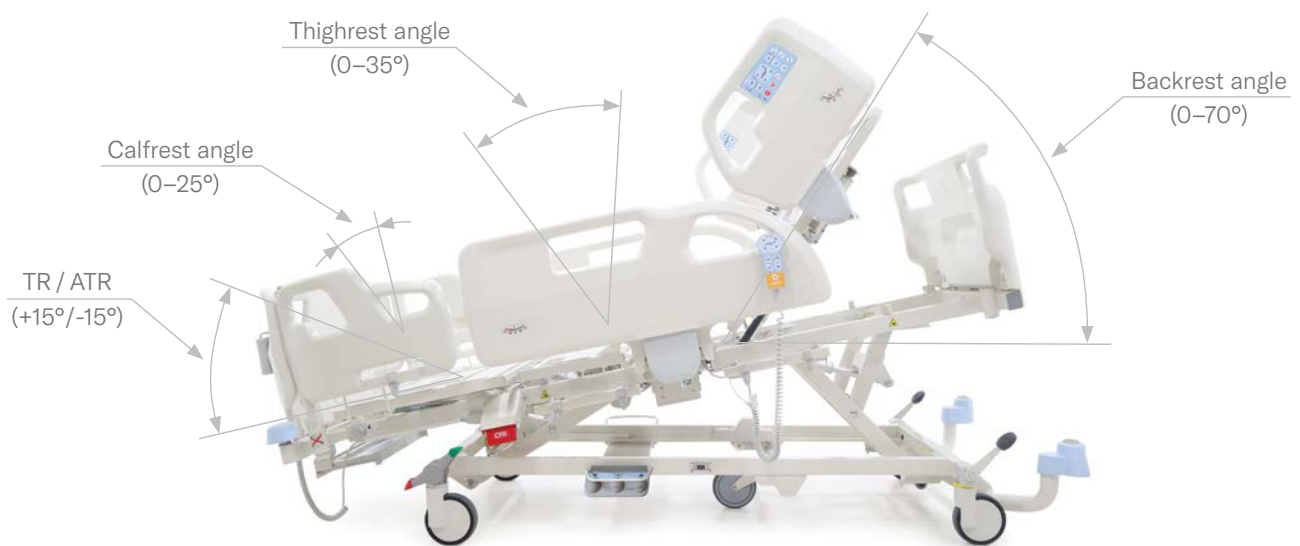
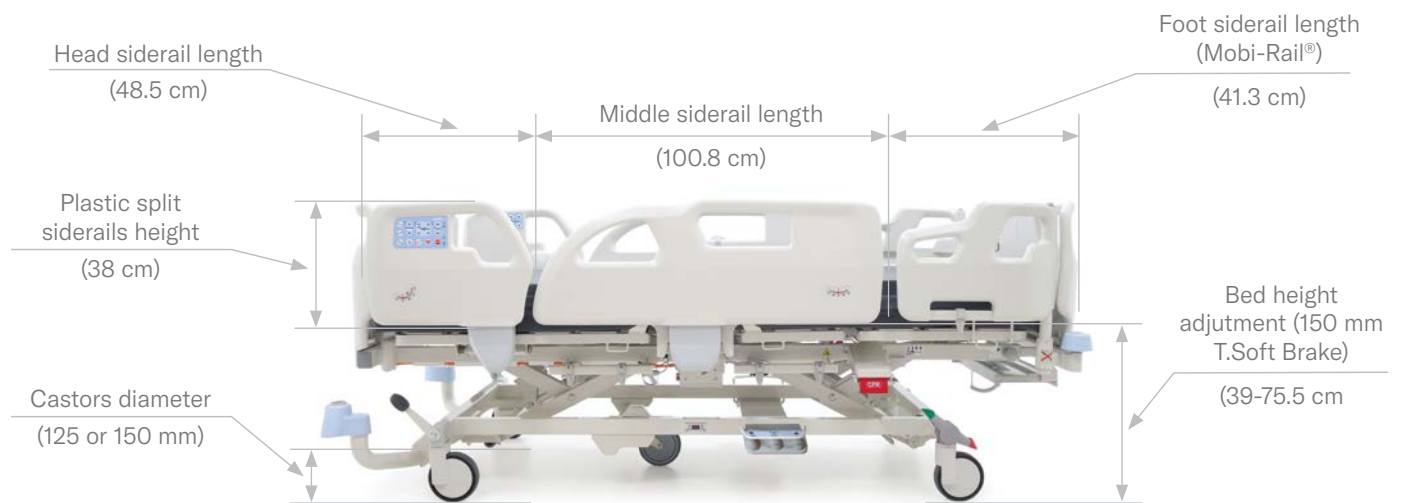
5th castor for turning and maneuvering the bed with less effort.

ESSENZA 100 & 200 COMPARISON



BED POSITIONING	ESSENZA 100	ESSENZA 200
Wired controls	●	○
Integrated controls	—	○
Foot controls	—	○
Mechanical CPR	●	●
Electric CPR	—	●
SAFETY & COMFORT		
Night light	—	○
Low bed height indicator	—	○
Brake alarm	—	○
USB charger	—	○
SafeSense integrated	—	○
SafeSense stand-alone	○	○
Automatic STOP at 30°	—	○
● Base configuration ○ Optional — Not available		

TECHNICAL SPECIFICATIONS



BED HEIGHT SPECIFICATION	ESSENZA 100		ESSENZA 200	
CASTOR TYPE	MIN	MAX	MIN	MAX
Tente Integral 125 mm	370 mm	735 mm	370 mm	735 mm
Tente Integral 150 mm	395 mm	760 mm	395 mm	760 mm
Tente Integral SoftBrake 150 mm	390 mm	755 mm	390 mm	755 mm
TECHNICAL SPECIFICATION	ESSENZA 100		ESSENZA 200	
Safe Working Load	250 kg		250 kg	
Max. patient weight (application environment 1,2)	185 kg		185 kg	
Max. patient weight (application environment 3,5)	215 kg		215 kg	

ACCESSORIES



Lifting & IV poles



Urine & Drainage holders



Oxygen tank holders & Shelves

SIDERAILS OVERVIEW



Safe plastic siderails



Single collapsible siderails

NURSE- AND PATIENT- CENTERED ERGONOMICS & MOBILIZATION

The **Mobi-Rail®** supports patient mobilization and assists with physiotherapy while reducing the physical effort of both the patient and the caregiver. Incorporating clever placement for essential equipment such as urine bags, drainage systems, or crutches improves workflow and makes it a multifunctional tool.



DESIGNED FOR SAFETY, MADE FOR COMFORT

Ergoframe® widens the space around the pelvic area during backrest and thigh-rest elevation, reducing pressure points by 16% and minimizing the risk of patient migration. Safety is secured by the 3-siderails concept, protecting individuals with reduced mobility from falls during sleep.



ADVANCED TECHNOLOGIES ELEVATING EFFECTIVENESS AND WELL-BEING

SafeSense 3 alerts caregivers if a patient remains immobile or tries to leave the bed, helping in repositioning and fall prevention. **SmartTracking** technology helps locate equipment across the department, improving efficiency.



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Members of LINET Group

LINET spol. s r.o. | Železčice 5, 274 01 Slaný | Czech Republic
tel.: +420 312 576 400 | fax: +420 312 522 668 | e-mail: info@linet.com | www.linet.com

