

ESSENZA

LINET

Turn To The Essence Of Care



The Acuity Adaptable Hospital Bed



GLOBAL NURSES' SHORTAGE

Holding patients' hand through difficult times and caring with passion and devotion is the essence of nurses' care.

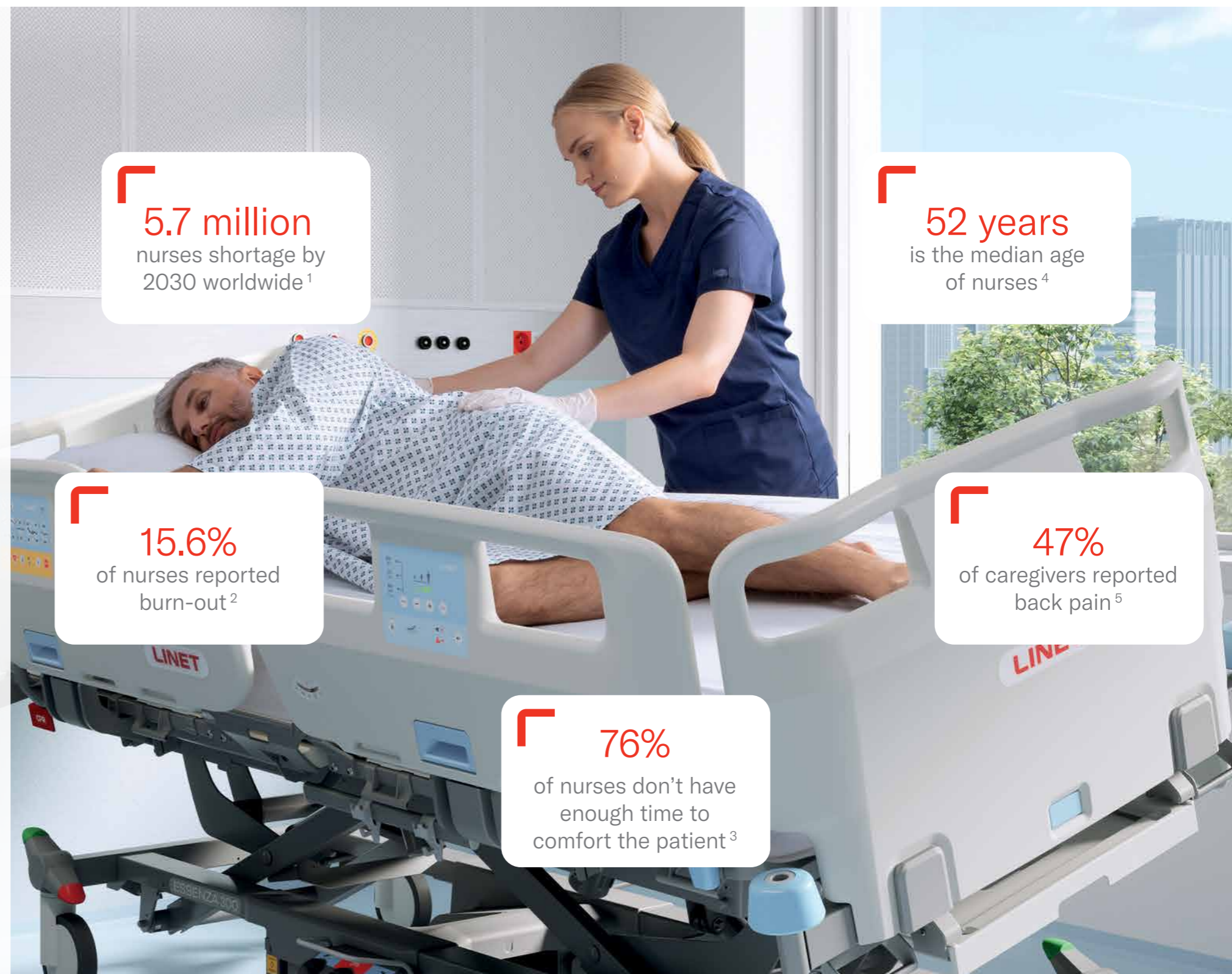
With enough nursing time for patients, patient falls could be avoided, hospital-acquired pressure injuries could be prevented, and the chance for recovery would be higher. However, there is a major shortage of nurses as the population is aging, and the fall-out due to work-related musculoskeletal disorders (MSD's) is continuously present.

The job of a nurse is draining both physically and mentally and the time they have is increasingly taken by additional administrative tasks. Recent global events have only made the situation worse.

This leads to a never-ending cycle of understaffing and, consequently, to an even more fragile healthcare system.

We need to break this vicious downward spiral. We need to give nurses their time, safety and passion back, so that they can

Turn To The Essence Of Care



5.7 million
nurses shortage by
2030 worldwide¹

52 years
is the median age
of nurses⁴

15.6%
of nurses reported
burn-out²

47%
of caregivers reported
back pain⁵

76%
of nurses don't have
enough time to
comfort the patient³

ESSENZA

Turn To The Essence Of Care



SUPERIOR SAFETY & ERGONOMICS DRIVEN BY NURSE- AND PATIENT-CENTRIC DESIGN



Lateral tilt turns into a new gold standard in acute care reducing physical strains on the caregiver by 67%.⁶



Low height helps to reduce the severity of patients' falls.⁷



EasyDrive[®] decreases the necessary initial pushing force up to 50% in comparison with non-powered bed.⁸



The safe mobilization concept supports the patient through specially designed features & can help to speed up the recovering process.¹⁴

EFFICIENCY OF A SINGLE PLATFORM UNLOCKING INCREDIBLE VERSATILITY



Single platform efficiency brought by one intuitive user interface. This means only one training for nurses and easier rotation across hospital wards.



Incredible versatility that meets all the needs of each individual department. Bespoke design is an additional bonus.

UNPARALLELED EFFECTIVENESS BROUGHT BY ADVANCED TECHNOLOGIES



SafeSense 3 helps to save time by providing a remote overview of the patients' safe position in the bed or by smart alerting when the patient is at risk of pressure injuries or falls.



SafeSense SmartTrack powered by INTRAX[®] facilitates the work of caregivers by tracking hospital assets or patients at room level accuracy.



Integrated Air2Care mattress provides easy and time-saving maintenance for caregivers.

ESSENZA 300

Universal low height bed with an exceptional safe working load of 300 kg improves safety for any patient.



Fall prevention during sleeping phases
28 cm



Safe mobilization at chair height
40 cm



Optimal nursing position
78 cm

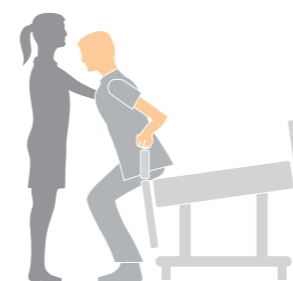


ESSENZA 300 LT

Lateral tilt turns into a new gold standard in acute care, delivering premium ergonomics & effective mobilization.



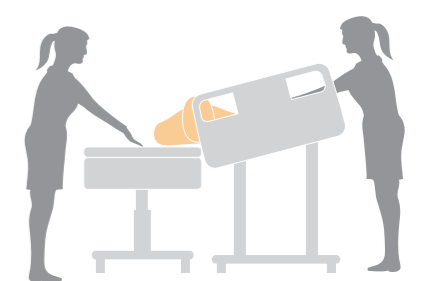
Mobilizing Patient Early



Safe Patient Handling



Easier Patient Transfer





SOLUTIONS OVERVIEW

ENHANCED PATIENT OUTCOME



EARLY MOBILIZATION

Mobi-Lift®, Mobi-Pad & Mobi-Grips promote patient mobilization which can potentially decrease the length of hospital stay and all the associated complications.¹⁴



PRESSURE INJURY PREVENTION

The integrated Air2Care mattress with 2-cell alternating pressure technology provides effective pressure relief.



FALLS PREVENTION

Brake alarm, low height & monitoring of patient by SafeSense 3 help to prevent patients' falls.



IMPROVE PATIENT EXPERIENCE

Bed features increasing patients' comfort during hospital stay lead to better satisfaction and health outcomes.

IMPROVED CAREGIVER & HOSPITAL WORKFLOW



SAFE PATIENT MOVING & HANDLING

Lateral tilt is turning into a new gold standard in acute care that delivers premium ergonomics for caregivers & effective patient mobilization.



EASY PATIENT TRANSPORTATION

Features like EasyDrive® and 5th castor make bed manipulation easier and support caregivers during patient transportation.



SIMPLIFY CAREGIVER PROCEDURES

SafeSense 3, SafeSense SmartTrack and integrated Air2Care mattress facilitate caregivers' daily tasks and help them to be more efficient.



HOSPITAL OPERATIONS EFFICIENCY

Single bed platform across all hospital wards leads to cost reduction and time-saving.



EARLY MOBILIZATION

CHALLENGE

- Complications associated with long hospital stay⁹
- Longer length of hospital stay due to immobility¹⁰
- Increased costs for the hospital⁹

\$2,607

Average daily costs of hospital care¹¹

6.59 days

Average length of stay at acute care ward¹²

\$9,300

Total hospital care costs per stay¹¹

Neurological

Depression, anxiety, delirium, forgetfulness and confusion.



Respiratory/pulmonary

Pneumonia, atelectasis, VAP, pulmonary embolism.



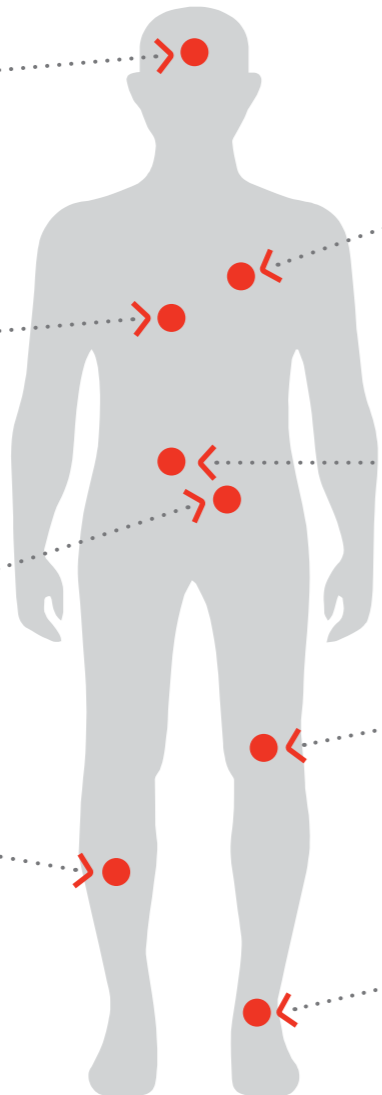
Renal

Stasis, nephritis, catheter-associated urinary tract infections.



Musculoskeletal

Muscle Atrophy, weakness and contractures are seen in 25–90% of patients with prolonged hospitalization.



Cardiovascular

Cardiac muscle atrophy, hemodynamic instability and DVT.



Gastrointestinal

Altered patterns of elimination, incontinence, constipation, fecal impaction.



Metabolic

Acid-Base Balance, Metabolic Syndrom.



Skin

Pressure ulcers. Lack of mobility increases the risk of pressure injury development.



Learn more about Early Mobilization with LINET



Read the full report Effect of Mobi-Lift on Patients' Mobilization



SOLUTION

Mobi-Lift®, Mobi-Pad & Mobi-Grips promote early mobilization programs which can impact the length and the costs of hospital stays. Mobilization programs can reduce the incidence of pressure injuries by up to 86%.¹⁵

Length of hospital stay decreased by **1.5 days**^{13,14}

In Hospital Falls reduced by **37%**¹⁴

Hospital associated infections reduced by **60%**¹⁴

| | Level of Function 0 | Level of Function 1 | Level of Function 2 | Level of Function 3 | Level of Function 4 |
|-------------------|--|--|--|---|--|
| Level of function | | | | | |
| 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 | – Lateral tilt – Head of Backrest – Reverse Trendelenburg – Vascular leg position | – Lateral tilt – Head of Backrest – Reverse Trendelenburg – Vascular leg position – Mobi-Grips – Cardiac chair* | – Mobi-Pad* – Mobi-Grips* – Cardiac chair* | – Mobi-Lift® handle* – Mobi-Grips* – Mobi-Pad* – Lateral tilt* | – Mobi-Lift® handle* – Mobi-Grips* – Mobi-Pad* – Lateral tilt* |

Less demanding standing procedure¹⁵

Standard Bed
Standing up from the bed in the traditional way is **more demanding on lower limbs muscles.**

F: 100%

Bed with Mobi-Lift®
63% less muscular force needed for successful standing-up when using Mobi-Lift® and Lateral tilt.

F: 37%



PRESSURE INJURY PREVENTION



Learn more about the Air2Care mattresses range



CHALLENGE

- Worldwide prevalence of HAPI varies from 6–18.5% in acute care segment¹⁶
- Pressure injuries can develop within minutes of immobility¹⁷

The cost of treating pressure injuries varies from **£1,214** to **£14,108**¹⁸



SOLUTION

The integrated Air2Care alternating pressure mattress provides periodic pressure relief.

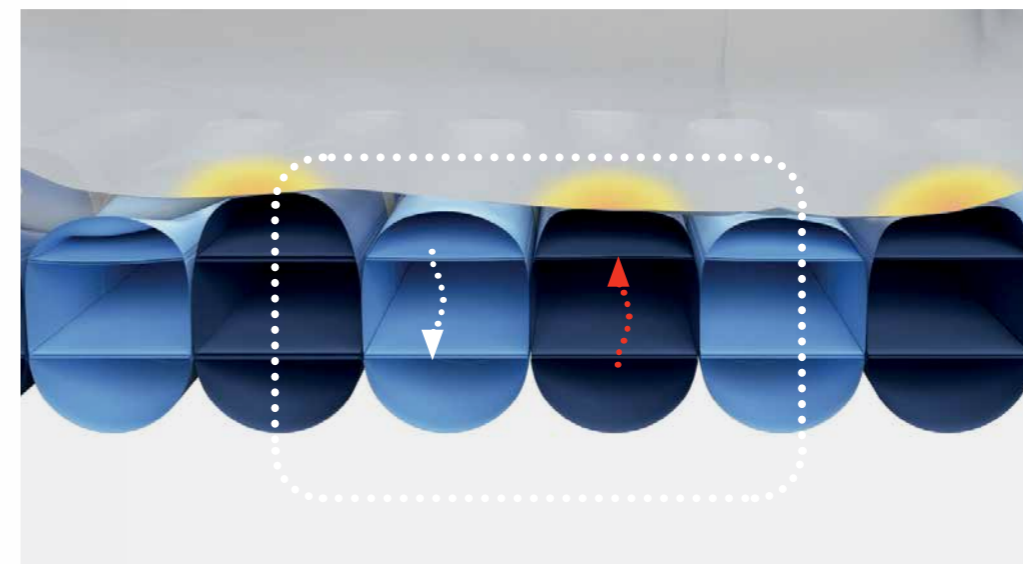


2-Cell Alternating System

Intermittent Pressure Reduction



2 cells



Due to the alternating 2-cell system, Air2Care reduces pressure and helps to minimize sustained pressure peaks to the patient's body. Alternating pressure can be used for pressure injury prevention as part of an overall program of care.



Automatic Pressure Setting with the Easy Smart System

At the press of a button, the mattress will automatically and continuously adjust to the patient's individual size, weight and position. Manual pressure adjustment is available to suit patient comfort.



Fowler Boost

Minimized risk of bottoming while sitting

The Air2Care mattress starts to increase air inflation when it detects the backrest has been raised by 30°.

The Single Point Fowler Boost enables automatic detection of the raised backrest position.



Wide range of mattresses for Essenza

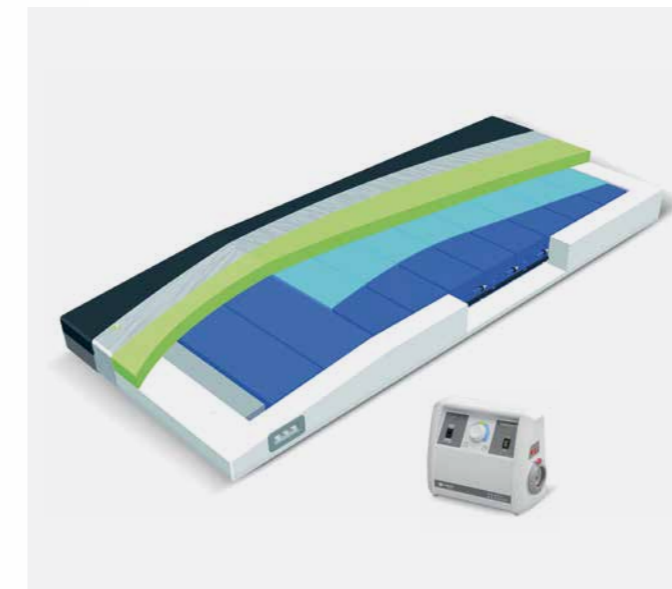
To provide high patient comfort and prevention of pressure injuries, LINET offers a wide choice of mattress replacements for Essenza according to the needs of patients with different risk levels of pressure injury development.



Hybrid Mattress

CliniCare 100 HF

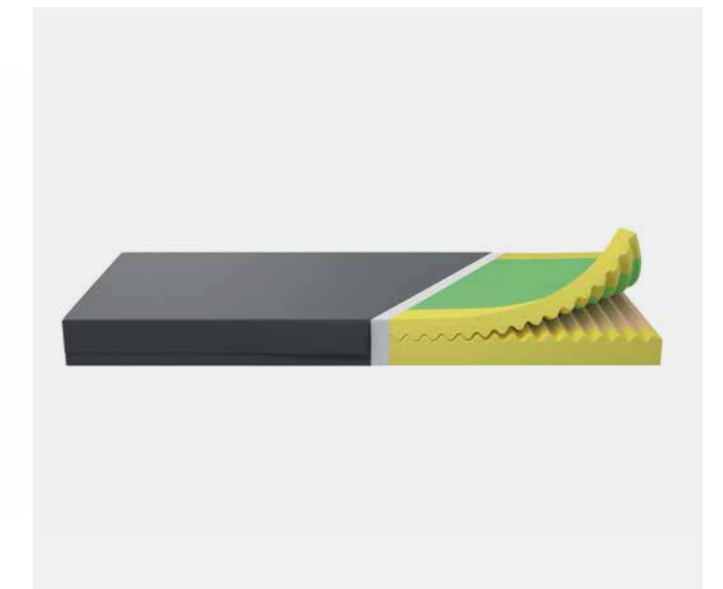
- The CliniCare 100 HF hybrid mattress is comfortable and highly efficient for the prevention of pressure injuries.
- It uses a combination of an active (air) system and a passive (foam) mattress to provide many benefits across the spectrum of hospital care.



Passive Mattresses

ViskoMatt, MediMatt

- The Passive mattresses portfolio is designed to improve pressure redistribution through the mechanisms of immersion and envelopment. Within the range are mattresses with combination of viscoelastic, cold and Polyuretan foams.
- ViskoMatt with viscoelastic foam ("memory foam") allows the body to sink into the mattress slightly, providing optimal support and adjustment to the body's contours.





FALLS PREVENTION

Read the full report:
The Power of Prevention



CHALLENGE

- Falls are one of the most commonly reported patient safety incidents in the hospital setting¹⁹
- 84.8% of falls happen unwitnessed²⁰
- 27% of falls happen when a patient tries to leave the bed²¹

11.5 days

Longer hospital stays due to IHF*,²²

£2,600

for patient fall²³



SOLUTION

Brake alarm, low height & monitoring of patient by SafeSense 3 help to prevent patients' falls.

Safe position indicator



With a low height of 28 cm, Essenza 300 is a premium solution for any patient who may be at higher risk of falls. Green light indicates safe position.

Brake alarm

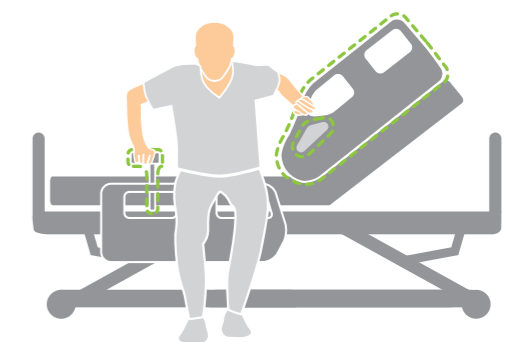


The bed automatically emits an audible signal when when it is left unbraked while the main power cable is connected.

Bed exit alarm by SafeSense 3



Staff is notified whenever patient leaves the bed. Continuous monitoring of the motion in combination with bed exit notifications can be helpful in prevention and quick reaction to any such event.



Mobi-Controls

Mobi-Lift®, Mobi-Pad & Mobi-Grips empower patients and help with their faster mobilization which can prevent patients' falls when exiting the bed.



IMPROVE PATIENT EXPERIENCE

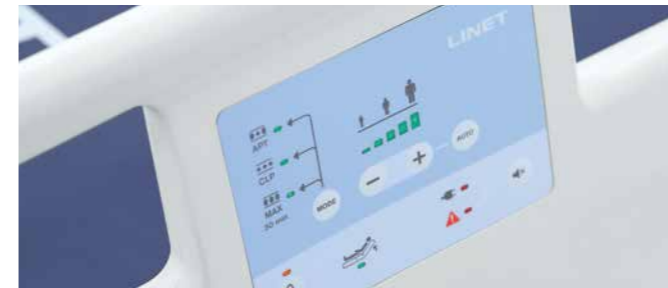
CHALLENGE

- Stressful environment and patient discomfort²⁴
- Painful movements
- Patients sleep quality is disturbed by the surrounding noise²⁵



SOLUTION

Bed features increasing patients comfort during hospital stay lead to **better satisfaction and health outcomes.**



Integrated mattress

Integrated compressor Air2Care with reduced vibration by more than 50%²⁶, which provides patients with better comfort.



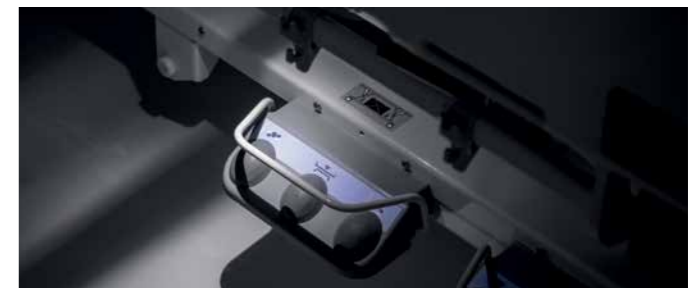
USB integration

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



Compatibility with bedside cabinets

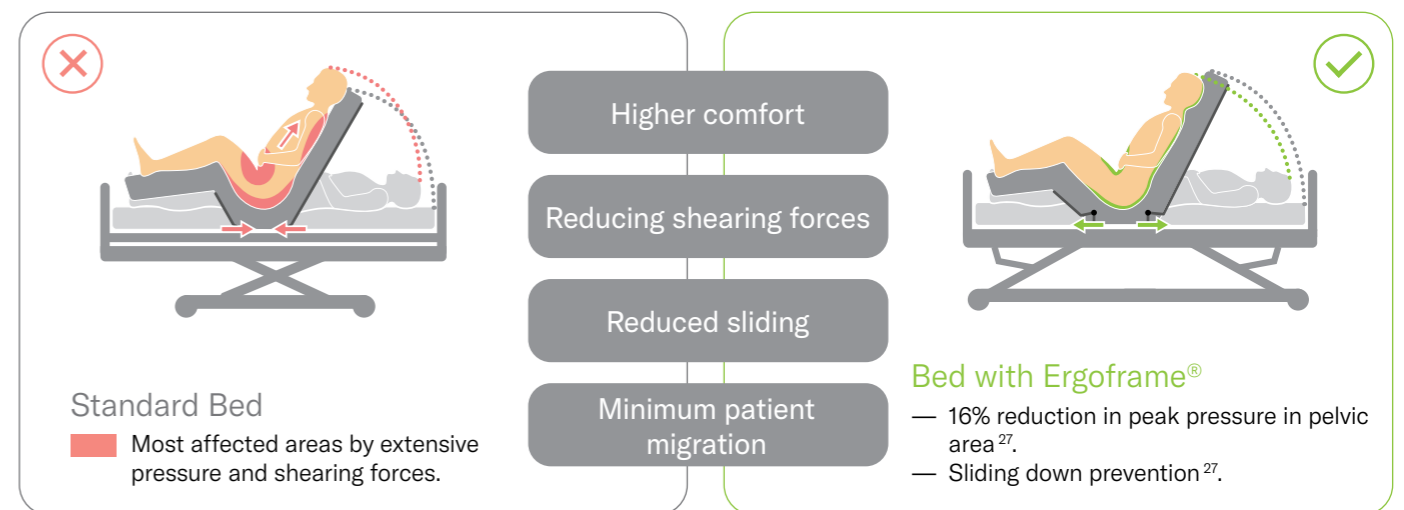
Self-service bedside cabinets influence the comfort of patients with reduced mobility.



Night light

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

The Positive Effects of Ergoframe®





SAFE PATIENT MOVING & HANDLING

CHALLENGE

- 20% of nurses' working time is spent on patient mobility and handling²⁸
- 47% of caregivers reported back pain⁵
- Caregivers are still at top of the number of work-related MSD's²⁹

Nurse turns immobile patients up to **11x** per shift³⁰



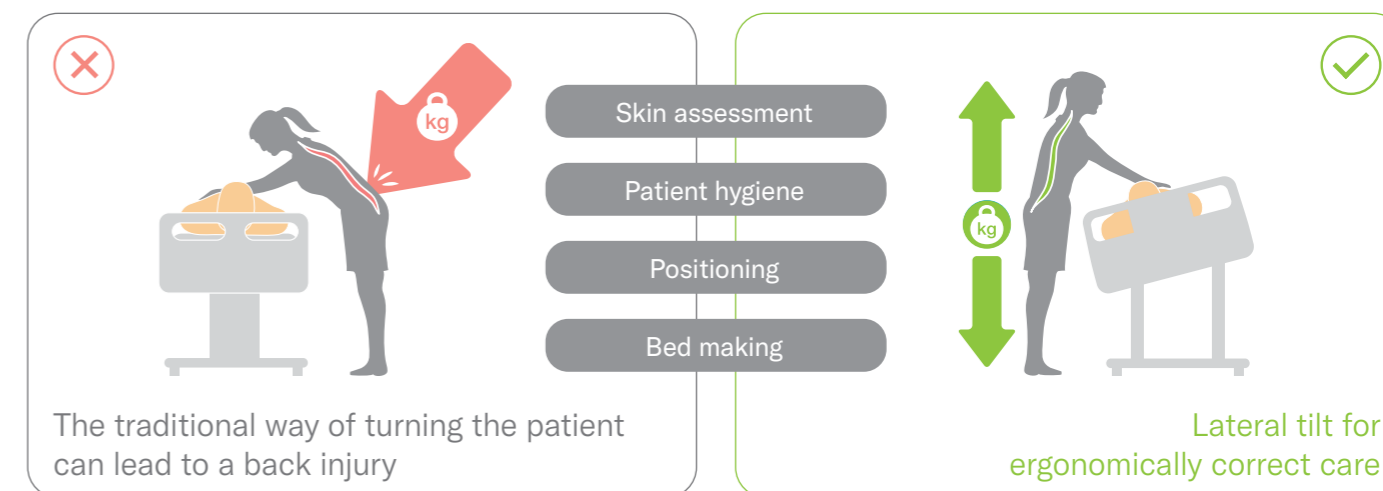
SOLUTION

Lateral tilt is turning into a new gold standard in acute care that delivers premium ergonomics of caregivers.

-67%
of forces needed for turning the patient⁶

-20%
of compression of lumbar spine during patient handling⁶

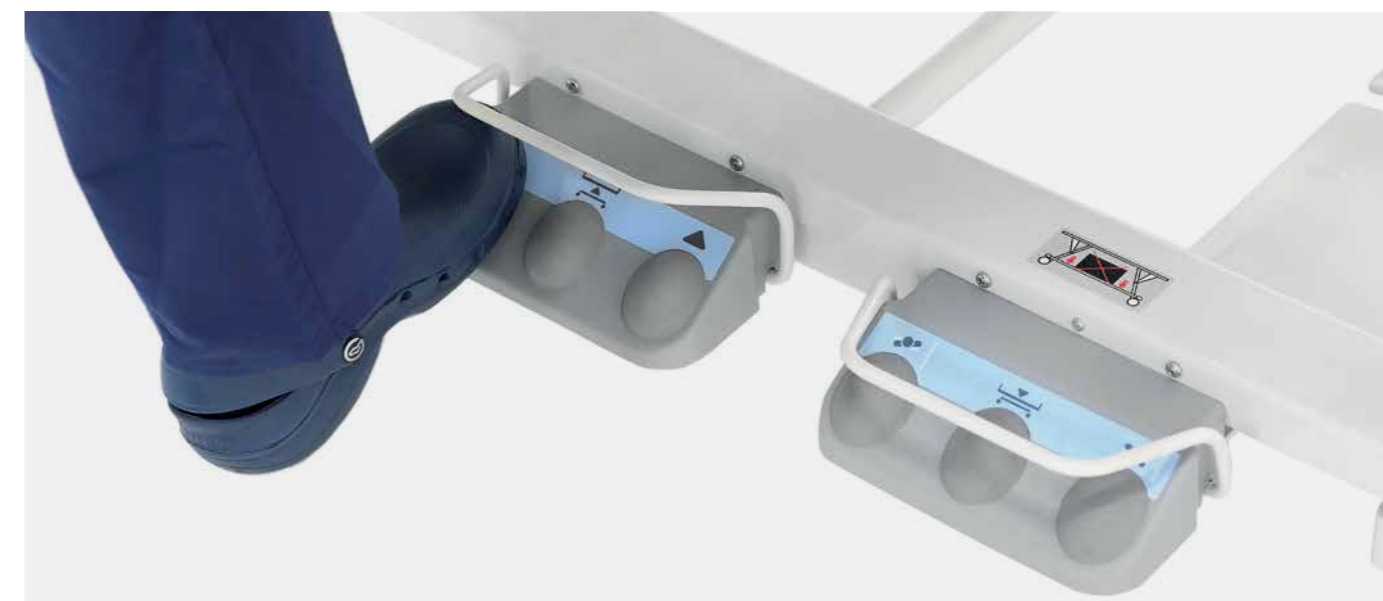
Lateral Tilt* simplifying daily procedures



* Up to 15 degrees on strain reduction for repositioning immobile patients.

Foot controls

Easy control of the hospital bed ensures the ergonomic position of the caregiver and effective handling of the patient. Left pedal adjusts height of the bed and the right one turns the bed.



EASY PATIENT TRANSPORTATION

CHALLENGE

- Pushing and pulling occupied beds is considered a high-risk task for developing MSD's because of spinal load³¹
- Maneuverability of the bed in narrow hospital corridors
- Occupied bed needs to be transported by **2 caregivers**³²



SOLUTION

Features like **EasyDrive®** and **5th castor** make bed manipulation easier and support caregivers during patient transportation.

1 caregiver

can transport patient without extended effort and risk of injury with EasyDrive®⁸

5 km

for one recharge⁸

SoftBrake

A unique design of a castor that provides excellence in the operation of the brake levers, with low physical strain needed to prevent caregivers from musculoskeletal injuries.



EasyDrive®

Powered 5th castor which supports advanced mobility of patient transportation with enhanced safety for the caregiver and patient.

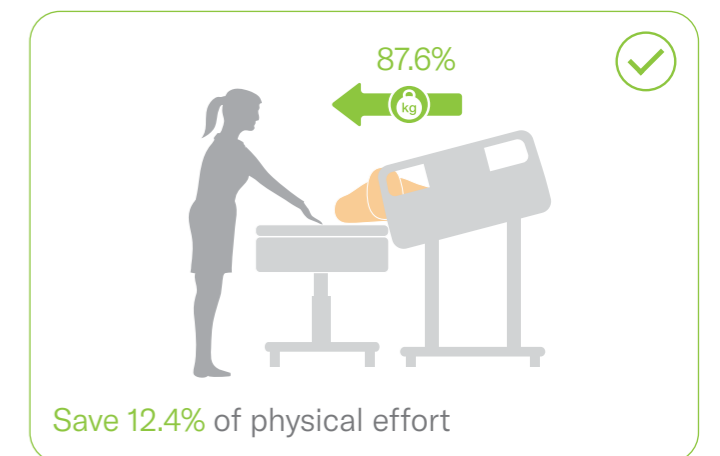
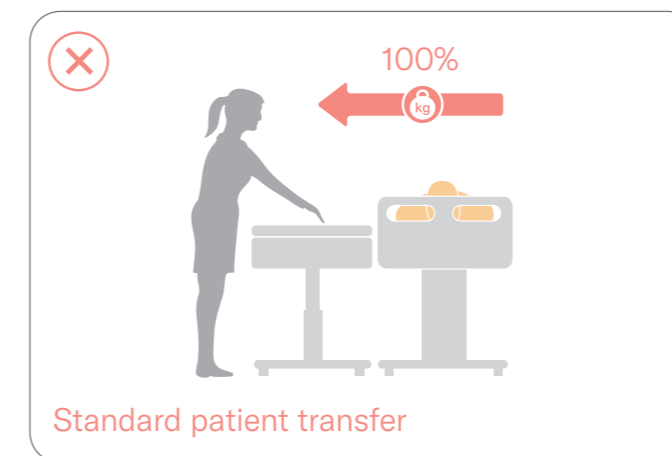


5th castor

The 5th castor makes transporting the bed through long corridors easier, maintaining a straight line. In addition, the castor creates a turning point in the center of the bed.



Lateral tilt making patient transfer easier³⁰

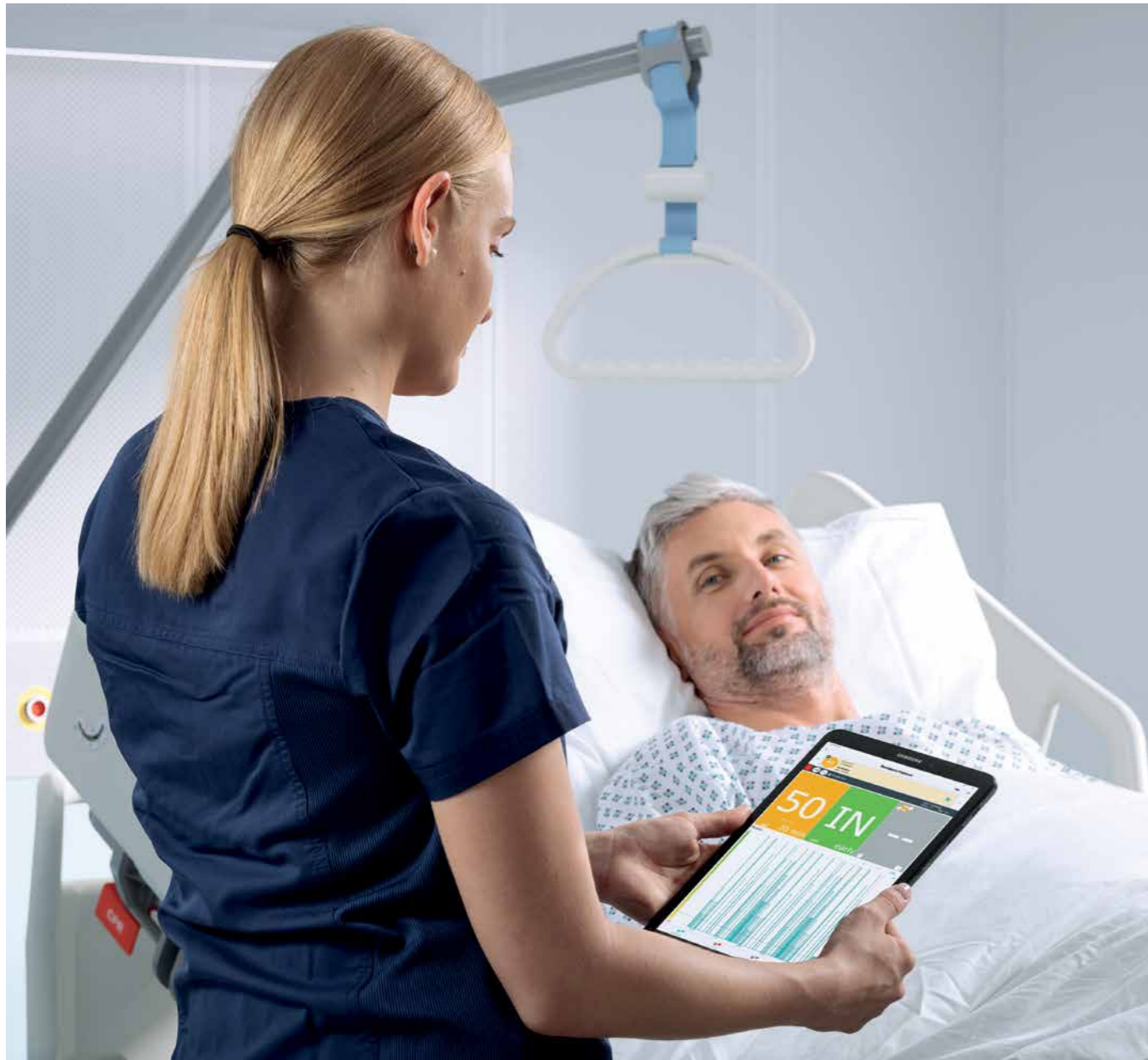




SIMPLIFY CAREGIVER PROCEDURES

CHALLENGE

- Patient care can be compromised because of the insufficient number of registered nurses³³
- 15.6% of nurses reported burn-out²
- 41% of caregivers suffer from a lack of time⁵

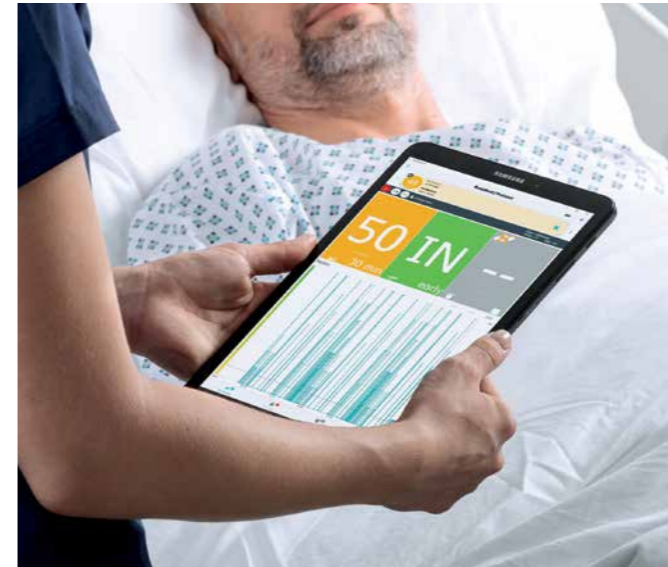


SOLUTION

Our smart care solutions such as SafeSense 3, SafeSense SmartTrack & Integrated Air2Care mattress facilitate daily tasks of caregivers and help them to be more efficient.

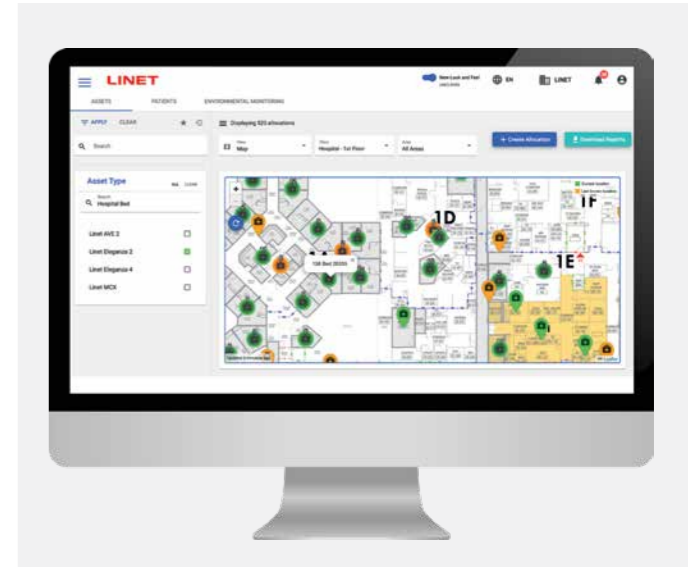
SafeSense 3

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



SafeSense SmartTrack

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



Integrated mattress control panel

Control panel of integrated Air2Care mattress is a part of siderails and allows easier & quicker setting to fit the clinical conditions of patients.



Unified controls

Using a one-bed platform with the same controls can decrease stress levels during nurses' rotations across hospital wards.

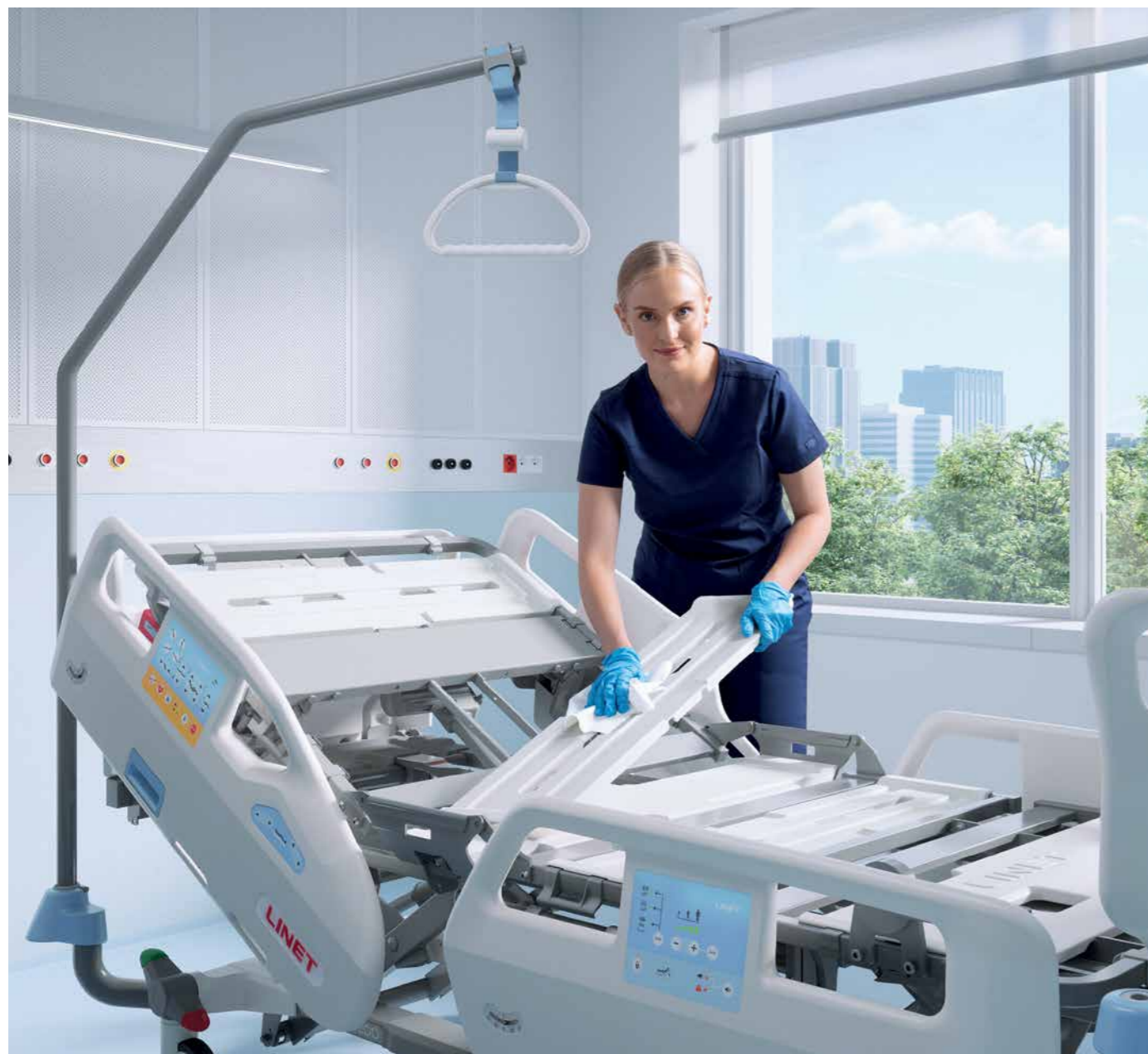




HOSPITAL OPERATIONS EFFICIENCY

CHALLENGE

- The need for fast and effective cleanability of the equipment and prevention of infection
- Nurses can spend **27%** of their shift dealing with administrative tasks³⁴
- **25%** of injuries in hospital are related to slip, trip and fall³⁵



SOLUTION

Advanced technologies allow easier patient moving, handling and monitoring.

Active Mattress Integration

Air2Care integrated helps to save space due to the absence of the external compressor and reduces the risk of cable damage while transporting.



Convenient cells maintenance

Individual cells of Air2Care Integrated are removable and can be easily cleaned, decontaminated or replaced.



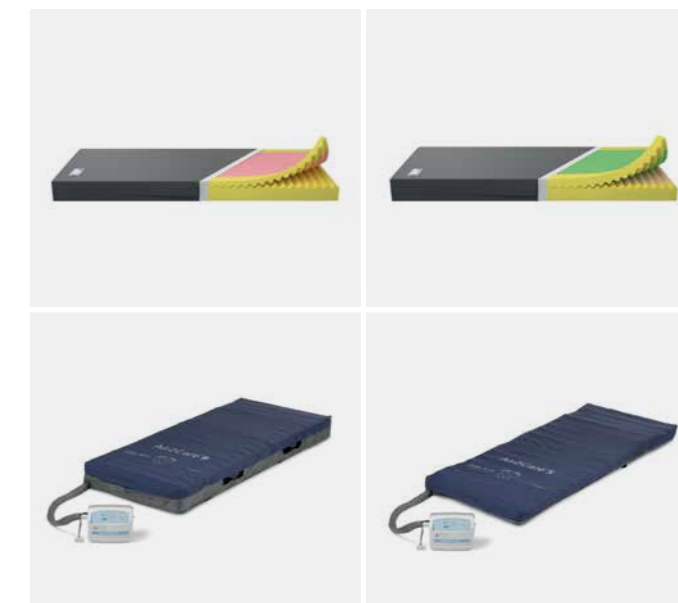
Single platform

Platform solution means only one user-friendly interface, simpler training for nurses, and standardized cleaning procedures.



Open Mattress Architecture

Any type of mattress can be placed on the bed and follow hospital standards for pressure prevention.



KEY FEATURES OVERVIEW



Lateral tilt delivers premium ergonomics to caregivers and effective patients' mobilization.



Mobi-Lift® handle provides support during bed exit.



EasyDrive® enables patient transportation by only one caregiver.



SoftBrake castor makes operation of the brake levers easier with less physical strain.



Integrated Air2Care mattress increases patient comfort and ease of caregiver use while minimizing physical strain.



Mobi-Grips provide support for self-mobilization.



Mobi-Pad adjusts the height of the bed.



ErgoFrame® makes patient positioning more comfortable.

Siderails Overview



Safe&Free siderails

for nursing homes add a home look to the bed, can be adjusted to different heights and assist patients whilst standing up.



Safe&Free full split siderails

in combination with mobilization features support patients during ingress and egress out of the bed and help with early patient mobilization.



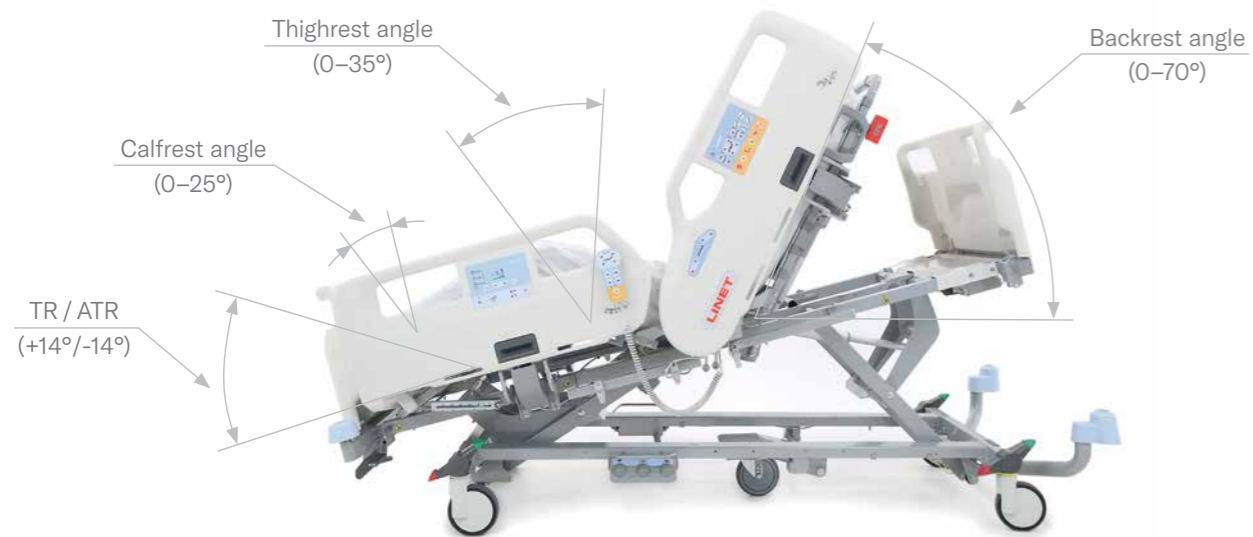
Single collapsible siderails

contribute effectively to fall prevention and thanks to the simple release mechanism are easy to use by staff.

SmartInk (coming soon)



TECHNICAL SPECIFICATIONS



BED HEIGHT SPECIFICATION*

| CASTOR TYPE | 300 MIN | 300 MAX | 300LT MIN | 300LT MAX |
|----------------------------------|-----------|---------|-----------|-----------|
| Tente Linea 125 mm | 25.5 cm** | 75.5 cm | 39.5 cm | 89.5 cm |
| Tente Linea 150 mm | 28 cm | 78 cm | 42 cm | 92 cm |
| Tente Integral 150 mm | 31.3 cm | 81.3 cm | 45.3 cm | 95.3 cm |
| Tente Integral Soft Brake 150 mm | 30.8 cm | 80.8 cm | 44.8 cm | 94.8 cm |

** Available with telescopic siderails only
The SafePosition is elevated by 11,9 cm from its lowest position.

TECHNICAL SPECIFICATIONS

| | | |
|---|--------|--------|
| ESSENZA | 300 | 300LT |
| SWL | 300 kg | 270 kg |
| Max. patient weight (application environment 1,2) | 235 kg | 205 kg |
| Max. patient weight (application environment 3,5) | 265 kg | 235 kg |

Accessories



Telescopic IV pole



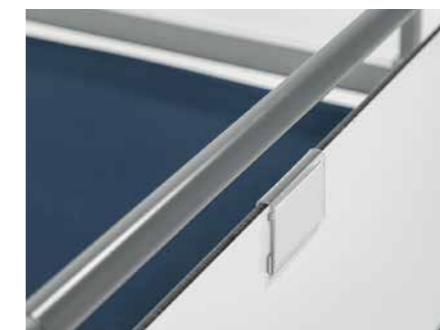
Lifting pole handle



Handset holder horizontal



Grey plastic triangular holder



Name holder



Positioning cushion

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