

# Safer Care



safety with benefits for everyone

# Safe PLUS Concept

For LINET safety comes first. The safety of the patient and nurse. Therefore we develop unique solutions that offer simple and maximum safe help. We believe that our products will help you. They are equipped with the very best.

LINET GROUP TEAM



# 100%

## safety





# For your safety





- Recovery without additional complications
- Greater independence
- Patient does not suffer further pain
- Safe stay in hospital



Patient

- Patients and bed under control
- Reducing physical strain when handling the patient
- Simple and safe hygiene



Staff

- Fall risk and injury management
- Reduced number of occupational diseases
- Reduced pressure ulcer treatment costs
- Infection control



Management

# Safe PLUS Concept

## SIDERAILS

with maximum protection

1

## MOBILISATION HANDLE

for easy and safe bed exit

2

## SAFETYMONITOR

24 h patient supervision

3

## ERGOFRAME®

During bed positioning  
reduces pressure in the  
pelvic area

4

## 5<sup>th</sup> CASTOR

Thanks to the 5<sup>th</sup> castor  
it is safe and physically  
undemanding to drive the  
bed

5







## SANITIZED®

antibacterial treatment reduces risk of hospital infection

6

## LATERAL TILT

reduces the physical burden when handling the patient

7

## I-BRAKE

Active fall prevention features

8

## ANTI-DECUBITUS MATTRESS

with modern technology for pressure ulcer prevention

9



# No job-related accidents

In the number of occupational diseases the healthcare sector is clearly first in the long-term and even the mining and construction industry lag behind it. Healthcare professionals and nurses must cope when handling heavy patients and are under great mental stress. Special functions that facilitate strenuous work for healthcare professionals are typical for LINET beds.



52%  
of nurses complain of  
chronic back pain



# 100%

staff

***friendly bed***



## LATERAL TILT

The lateral tilt significantly reduces the physical strain of procedures and increases their safety during the handling of a patient.

## I-DRIVE POWER

Motorized patient transport with minimum manpower. A unique Safety Sense™ feature avoids the risk of self-activation, unintentional activation or misuse. The intelligent accelerator optimizes the drive speed in different drive situations.

## 5<sup>th</sup> CASTOR

Thanks to the 5<sup>th</sup> castor in the middle of the undercarriage, the bed is easy to manoeuvre even in a narrow space.

## ELECTRIC POSITIONING

Removes a great amount of the physical strain during the handling of a patient. Automatically preset functions make work even easier and more effective.



# Falls under control

Dangerous falls occur in hospitals and nursing homes very often. Fall-related injuries are a frequent cause of death among people over the age of 65. Over 70% of falls occur in the room. LINET beds are equipped with a number of safety features that significantly reduce the risk of a patient's fall.



60%  
of falls  
in institutional care  
are bed-related

# 100%

## safety

### *bed*

#### SAFE SIDERAILS

- The entire length of the mattress platform is protected
- Individual settings according to the patient's needs
- Meets the safety requirements of the EN 60601-2-52 standard

#### BED EXIT ALARM

triggers a sound signal and enables staff to provide effective support for the patient exiting the bed.

#### LOW HEIGHT

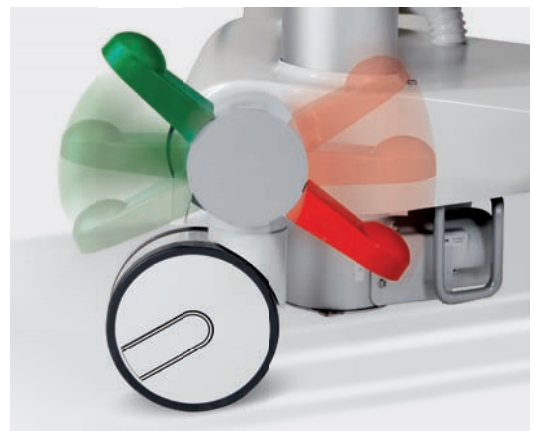
The lowest possible mattress platform height significantly reduces the consequences of falls.

#### ALWAYS A BRAKED BED

The unique i-Brake system automatically activates the bed's brakes.

#### BedMonitor

Continuous monitoring of the bed's safe settings.





# Fighting pressure ulcers

Every year over 120,000 people die in the USA as a result of the development of pressure ulcers, almost the same as of lung cancer. In Great Britain it costs over 14 thousand pounds (23,000 dollars) to treat one patient for IV degree pressure ulcers\*. The problem increases with an aging population. Therefore LINET is developing state-of-the art technology that provides effective help in fighting pressure ulcers.



Pressure ulcer  
treatment is

6x

more expensive  
than prevention

\* Dealey, Posnett & Walker. (2012). The cost of pressure ulcer in the U.K. Journal of Wound Care, 21:6, p261-266

# 100%

pressure

***ulcer prevention***

## ALTERNATING PRESSURE MATTRESS

works on the principle of alternating zero pressure. As a result it fully removes the action of pressure especially on the highest risk parts of the body.

## LOW AIR LOSS (LAL) MATTRESS

Integrated LAL mattresses combine constantly maintained low pressure with MCM technology (microclimate management) for optimum prevention.

## LATERAL TILT

facilitates regular positioning of the patient as a basic preventive measure.

## ERGOFRAME®

extends the space in the pelvic area during positioning so the pressure is reduced in the risk parts.



# Stop nosocomial infection

Nosocomial infection is one of ten of the most common causes of death in the world. In addition, the risk of nosocomial infection grows with more common invasive procedures inside the body, the aging population and excessive use of antibiotics resulting in resistance. The solution is hospital equipment which can be perfectly disinfected. LINET beds meet these demands.

Nosocomial infection  
prolongs hospitalisation  
by an average of

10 days





# 100%

## infection

### **control**

#### SANITIZED® ANTIBACTERIA



Treatment protects a weak patient against infection. Frequent parts of the bed have a special antibacterial surface finish.

#### JOINT-FREE TECHNOLOGY

production of plastic ends and siderails enabling a single siderail version without gaps and joints complicating cleaning.

#### COLUMN CONSTRUCTION

Easy and safe decontamination, no articulated or pin joints that are difficult to access.

#### MATTRESS COVERS

- Waterproof and vapour permeable
- Produced by joint-free technology
- Hidden zips to prevent entry of impurities



# Safe mobilisation

Health complications arising from prolonged immobility can seriously affect the process of the patient's recovery. All organ systems as well as the mental condition react to the loss of mobility. It is the priority of healthcare professionals to put the patient back on his feet without excessive physical strain if possible. The sophisticated details of LINET beds can be of great help.



# 100%

safe

***mobilisation***

## MOBILIFT® HANDLE

The mattress platform can be equipped with the Mobilift® handle.

- Respects the different height of patients
- Always set at the optimum supporting exit point

## MOBILIFT®

- Original button integrated for the first time into the plastic siderail
- Lifts the mattress platform for optimum height during a patient's bed exit

## SIDERAILS FOR BED EXIT

The siderail handle creates comfortable and safe support for bed exit in all backrest positions.

## AT THE PUSH OF A BUTTON

- The patient sets the mobilisation position for easy exit or the cardiac chair for reading
- The nurse sets the bed in the examination position to facilitate difficult handling of the patient





# Prevention of lung complications

Low immobility causes insufficient lung ventilation and reduces the ability to cough out. The patient's risk contracting pneumonia and the risk of atelectasis and ARDS increases. The incidence of pneumonia in the area of intensive care reaches 40% in Europe. LINET's answer to these life-threatening conditions is the special functions of automatic lateral therapy and the orthopneic position.

incidence  
of pneumonia up to  
**40 %**  
in intensive care



# 100%

help

***with problems***



## BED IN MOTION

Automatic lateral therapy (ALT®) is a function that maintains the bed and patient on it in a constant cycle of programmed lateral tilts. It partially replaces the natural movement of the human body and acts as prevention against serious respiratory complications.



## ORTHOPNEIC POSITION

The orthopneic chair position is designed above all for patients with dyspnea at rest. It combines the high Fowler's position, reduction of pressure in the abdominal area for easier diaphragm breathing and a better way of incorporating the accessory breathing muscles.



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Members of LINET Group

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