

Breaking the laws of motion

Working conditions. Easy. Optimised.



A powerful alliance



Content

Breaking the laws of motion	3	Free up caregivers.....	14
Simply less strain.....	6	Reduction of sick leave.....	16
Simply more benefits for hospital management.....	8	WeAssist™ – a healthy investment ..	18
Simply put, less complex	10	Easily prevent downtime.....	20
Projected annual savings	12	Simply achieving more together	22



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Breaking the laws of motion

WeAssist™ is breaking the laws of motion: Thanks to a sophisticated algorithm, this mobility solution makes patient transport noticeably easier, enabling a single person to effortlessly move a hospital bed. The result: Positive effect on the entire hospital operation.

Or more precisely:

The noticeable reduction in workload improves working conditions in your hospital and enhances your attractiveness as an employer. Furthermore, it demonstrates that you value your employees, and you can thereby boost employee satisfaction and contribute to reduced sick leave.

We understand

The innovative system not only meets the needs of the staff but also addresses a critical issue. With a shortage of skilled staff, demographic shifts, and increasing cost pressures, hospitals face the enormous challenge of making processes and investments increasingly efficient.

Efficiency and savings

By enhancing patient transport, WeAssist™ saves you time, cost, and effort. It allows for a more flexible allocation of staff resources, boosts employee productivity, and accelerates work processes.

With its wide range of digital services, WeAssist also provides numerous additional opportunities to reduce time and costs, making hospital operation significantly more efficient.

We are WeAssist™

WeAssist is the result of a powerful alliance between the Danish company LINAK® – a top-tier innovator in electric linear actuators systems – and the German company TENTE® – one of the global market leaders in mobility solutions. Our collaboration combines the extensive expertise of both companies.

Together, we are breaking the laws of motion and redefine the future of mobility. Join us in setting new standards for mobility. With LINAK. With TENTE. And most importantly: Together.



”

Hospitals constantly find themselves in a conflict between high-quality patient care and financial constraints. Finding the means to deliver both the latest medical technology and the best possible care is a constant struggle.

Simply less strain



Without WeAssist™



With WeAssist™



Hospital beds are heavy – very heavy – making it challenging to move them from one place to another, especially when you don't have anyone to help you.

When you start to push the bed, your back is often excessively arched, which can strain the body. During manoeuvring and driving down an incline, you must exert considerable effort to counterbalance or manage its weight. This burden impacts the back, muscles, and joints.

WeAssist™ is an effective solution

In many countries, official guidelines recommend that two nurses work together to move hospital beds. However, due to a shortage of skilled staff and increased workloads, this is often not possible. In such cases, WeAssist™ acts as the second person.

How it works

Stand by the bed and push. The pressure applied is instantly detected by the mobility solution. Advanced software interprets these signals and ensures that the WeAssist system provides the precise support needed for any driving situation – whether up or down inclines, straight ahead, manoeuvring or braking to a stop.

The system provides the necessary forward drive, absorbing the heavy weight of the bed or removing speed when needed.

Improved ergonomics

WeAssist improves ergonomics. The assistance provided helps protect muscles and joints. The mobility solution prevents incorrect postures and makes patient transport back-friendly and effortless. Instead of focusing on manoeuvring and pushing the bed, you can stay present with the patient.

We love to assist you!

Scan the QR code and contact us today!

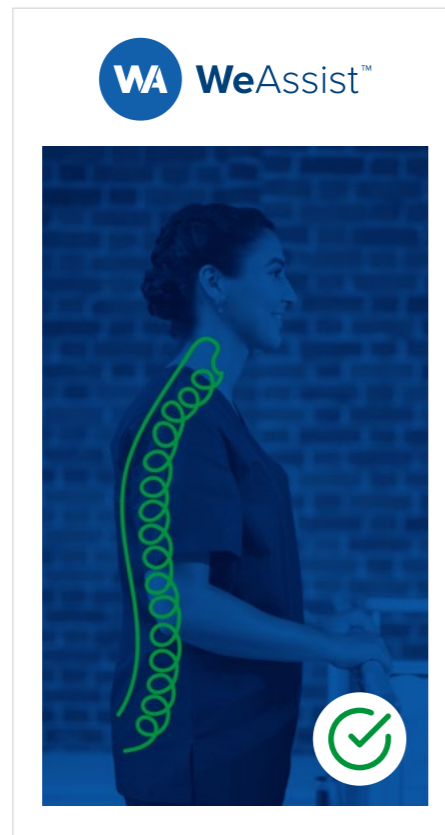
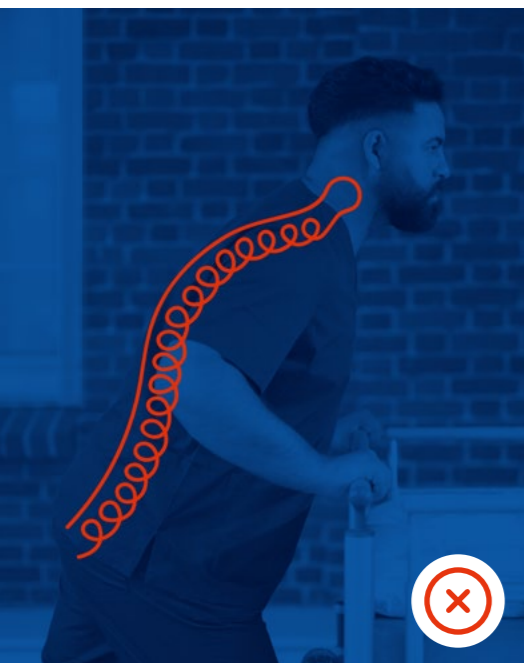


Simply more benefits...

... for hospital management

WeAssist™ is an innovative mobility solution for hospital beds. You might compare it to riding an electric bike: You still have to manoeuvre and push the bed, but WeAssist will help you and provide the necessary support. The driving manoeuvres become much easier and more comfortable. The result is a wealth of benefits that significantly improve both patient transport and your working conditions.

Try WeAssist™
Contact us for a meeting! Our experts will demonstrate the mobility solution in detail.



WA WeAssist™

We love to assist you!
Scan the QR code and contact us today!



Some of the benefits

- + Improved ergonomics
- + Improved working conditions
- + More attractive working environment
- + Satisfied employees
- + Increased productivity
- + Contribution to reduction of sick leave
- + More efficient staff planning
- + More efficient workflows
- + Ready to use – no training required
- + Automated service
- + Preventive maintenance
- + Supports frequent cleaning in washing tunnels
- + Quick and easy integration
- + Easy retrofitting in existing systems

Simply put, less complex



LINAK® battery

The LINAK Li-Ion battery has a built-in charger. The battery snaps on and off for easy installation and removal. And it is stackable for higher capacity.



LINAK® control box

The LINAK control box includes the smart software. It is available in various power levels, providing a wide range of features.



TENTE® Integral assist

One of the four castors is a TENTE® Integral assist with intuitive drive assistance. The diameter is 150 mm, and it features central total and directional lock.



TENTE® Integral

In addition to one TENTE Integral assist, the solution requires three TENTE Integral castors. These castors feature central locking and are recognised for their durability and TÜV Süd certification.



“It takes no training to drive a bed with WeAssist. You just push.”

Manoeuvring: Simple

Pushing a bed with WeAssist is completely intuitive. No training. No instructions. No buttons. You simply stand by the bed and push to start. You save not only time and effort, but also frustrations.

Interaction: Perfect

The intuitive operation is made possible by the interaction between the LINAK control box and the TENTE Integral assist castor.

The two key components of the system are perfectly coordinated and run silently in the background. Or rather, under the hospital bed. The WeAssist system does not stand out but blends in perfectly with the look of any bed.

How it works: Clever

The smart software in the LINAK control box detects and interprets what you want to do and forwards the corresponding signals to the Integral assist castor.

The mobility solution receives the signals and immediately provides the necessary assistance for the intended driving manoeuvre.

Support: Happy!

Do you have any questions about the design or how the WeAssist system works? We would love to assist you. Simply contact us to get support from our experts: [WeAssist.com/en/contact](https://www.weassist.com/en/contact)

Projected annual savings

Key figures from three Danish hospitals representative in size highlight a significant potential for resource savings with the implementation of WeAssist™.

Maximise resource efficiency

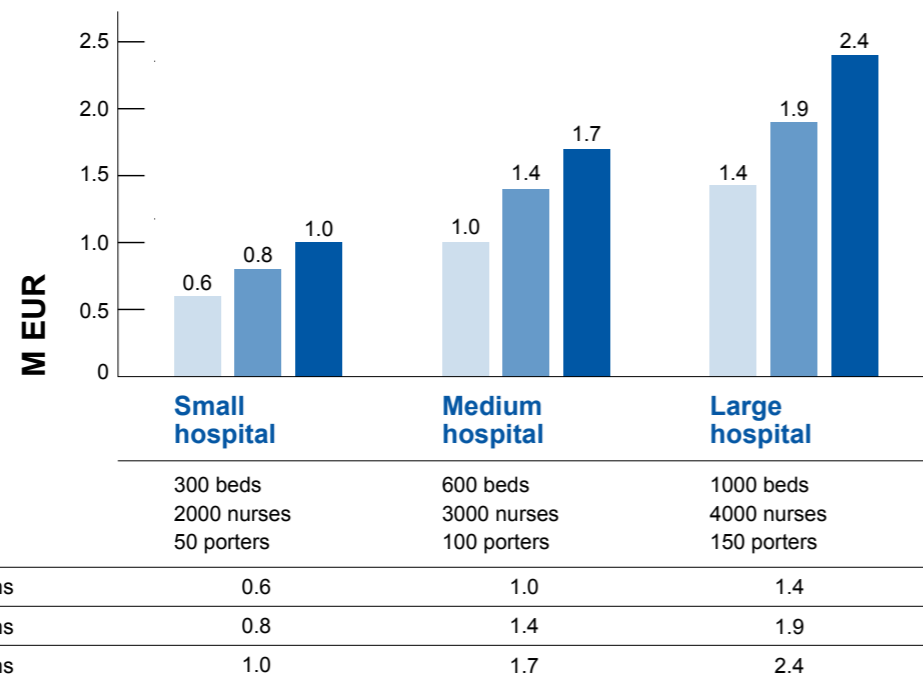
Bed transport can be carried out by one person instead of two – even on inclines and with heavy patients – allowing hospitals to achieve significant savings.

However, it should be noted that in emergency situations, two people are still needed to move a bed and care for the patient.

With the key assumptions below, the potential annual savings are significant, allowing hospitals to maximise resource efficiency while maintaining the high standards of patient care.

Example of savings per year

Bed transports with 1 instead of 2 persons



The projected annual savings are based on specific assumptions and examples from Danish hospitals of various sizes.

Request a calculation!
Scan the QR code and contact us for a calculation based on figures from your hospital.



Calculation example

Large hospital (1000+ beds)

(Porter average salary per hour x 87 hours pushing the bed every month) x 150 porters =	Total cost porters
+ (Nurse average salary per hour x 5 hours pushing the bed every month) x 4000 nurses =	Total cost nurse
Cost pushing the bed =	Total cost per month
Cost pushing the bed per month x 12 x XX% share of transports with 2 persons x 50% =	Savings per year

Insurance and taxes are not included.

Key assumptions

- ✓ Each nurse spends 5 hours per month pushing beds.
- ✓ Each porter spends 87 hours per month pushing beds.
- ✓ The percentage of all bed transports with two people is 30%, 40% or 50%.

- ✓ For all bed transports with two people, WeAssist can make it up for one person.

The average salary is based on a 37-hour workweek, according to the latest salary guide and salary tables for nurses and radiographers employed in Danish regions and municipalities.



Free up caregivers

Easy bed transport. More time for care

Hospital beds are heavy. Moving hospital beds from A to B puts a lot of strain on the body. For this reason, many health and safety authorities recommend that beds should always be moved by two people instead of just one. But staff shortages and increased workloads can make it difficult to follow this recommendation. No one can be in more places at the same time, so every task needs to be carefully assessed and prioritised.

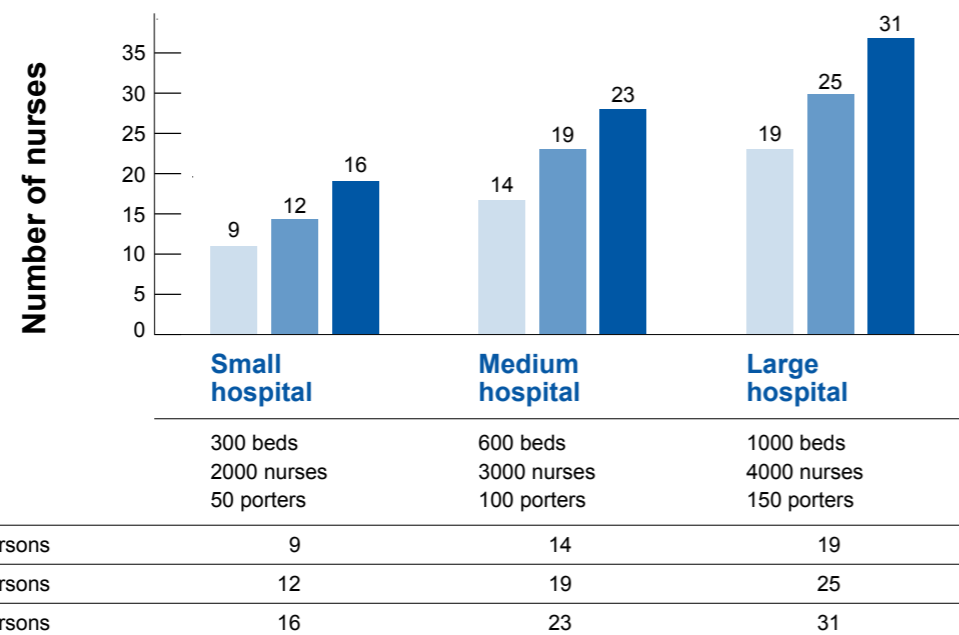
The solution

WeAssist™ can make it up for the second person. This means that beds can be moved by one person only. The person moving the bed alone is still relieved. And the other person who would have spent time on helping, is now free to attend to other important tasks.

WeAssist is intuitive to use – beds can be moved by anyone, no instructions or special skills required. So safe. So simple.

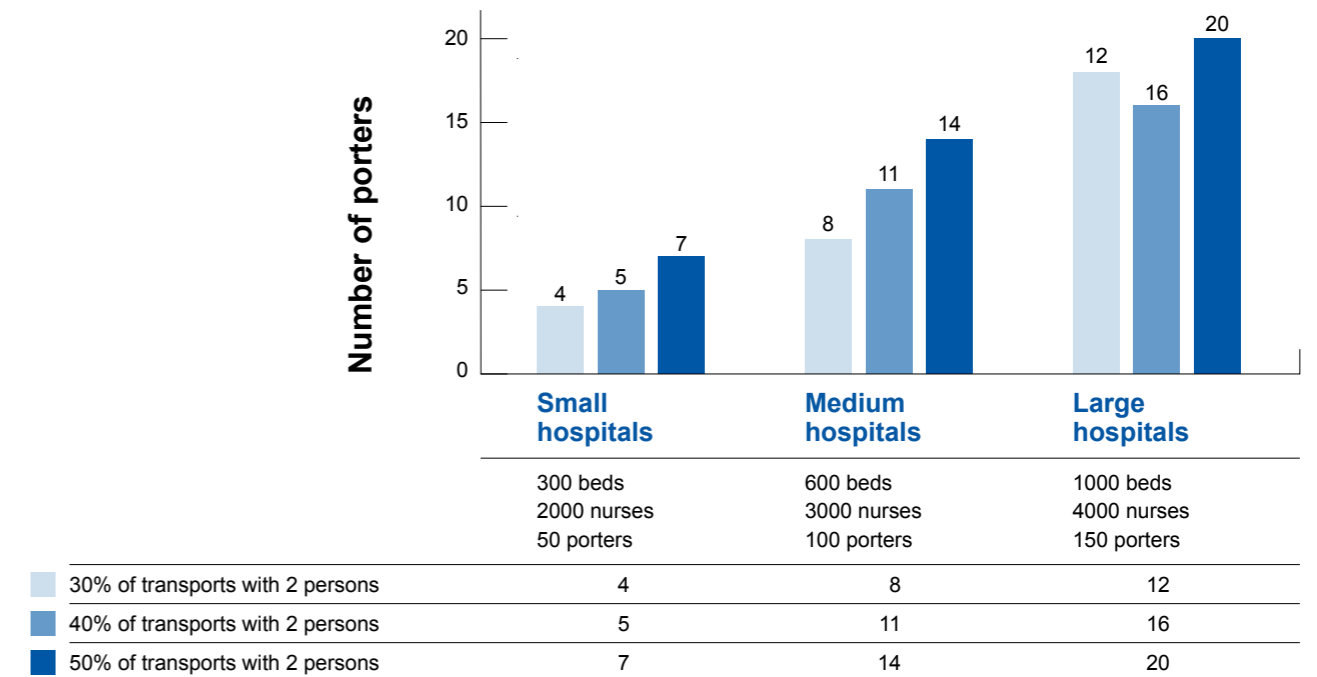
Number of nurses freed up

Bed transports with 1 instead of 2 persons



Number of porters freed up

Bed transports with 1 instead of 2 persons



Calculation example

Large hospitals (1000+ beds), porters

Porter 87 hours pushing beds every month x 150 porters =	Total hours porters per month
Total hours porter per month x XX% of transports with two people x 50% =	Total hours porters freed up
Total hours porters freed up / number of porters, 150 =	Freed-up hours per porter
Total hours porters freed up per month / average working hours per month =	Freed-up porters

Basic assumptions

- Each nurse spends 5 hours per month pushing beds.
- The percentage of all bed transports with two people is 30%, 40% or 50%.
- Each porter spends 87 hours per month pushing beds.
- For all bed transports with two people, WeAssist can make it up for one person*.

Request a calculation!

Scan the QR code and contact us for a calculation based on figures from your hospital.



*Full-time employee with 160.33 hours

Reduction of sick leave

Illness-related absences continue to pose a significant challenge in many countries. For example, in 2022, Germany experienced its highest level of sick leave in 25 years. And which sector recorded the highest level of sick leave per capita? Hospitals and nursing facilities. The average was 23.5 days per year.*

Unsurprisingly, staff shortages, ageing populations, a growing number of patients and ever-increasing workloads impose significant physical and mental stress. The consequences include exhaustion, illness, and an increasing amount of sick leave.



Testing in hospitals

WeAssist™ addresses some of these challenges and significantly enhances working conditions for caregivers. User-testing indicates that the system reduces strain and boosts efficiency.

WeAssist™ – a proven concept

Preliminary test results of the respondents in the development phase show:

- ⊕ The rating on the System Usability Scale is outstanding, demonstrating a 46% improvement in usability compared to pushing the bed manually without WeAssist.
- ⊕ The results on the Borg scale show a significant improvement that goes from **severe** (without WeAssist) to **very light** when pushing a bed with WeAssist.
- ⊕ WeAssist reduces the compression force on the lumbar discs during all movements of the bed, including turning, pushing up or down a ramp, or simply rolling down a long corridor.



“It was so much lighter and so much more pleasant because the castor immediately understood what I wanted. I’m really excited.”

Jana Lück
Nurse

Good for your health

The innovative system of LINAK® and TENTE® significantly improves ergonomics when pushing beds. The spine, muscles and joints are protected. Pushing the bed is intuitive and requires less effort.



“For the operation of WeAssist no instruction is required. You just get started.”

Caregivers can carry out fast transports safely, focusing on the most important part of the job: Taking care of the patient.

WeAssist reduces the strain on the body, makes the task more manageable, which also reduces stress and leads to less sick leave.

*Source: The German article "Krankenstand erreicht Rekordwert", page 46 in ersatzkasse magazin (1/2023) (magazine from the German Association of Statutory Health Insurance Funds)

WeAssist™ – a healthy investment

Whether you want to retrofit your existing beds or plan a new bed project, LINAK® and TENTE® offer WeAssist™ solutions that are perfectly adapted to your requirements.

Easy upgrade

The saying “Time is money” perfectly applies here. Retrofitting with WeAssist™ is quick and straightforward. Our solution utilises the same interfaces as your existing bed systems, enabling a simple plug-and-play installation in just a few minutes. This not only saves you time but also reduces costs, as only one of the four castors needs to be replaced during retrofitting.

Completely uncomplicated

No complex operating elements, and you can continue with your existing beds – no redesign needed. This approach saves a significant amount of time and effort, which again leads to cost reductions.

Ready to use

WeAssist can be used by your nurses and porters immediately after installation. No prior knowledge required. The caregiver simply stands at the head of the bed and pushes the bed as normal. No time-consuming introductory training, so also here you

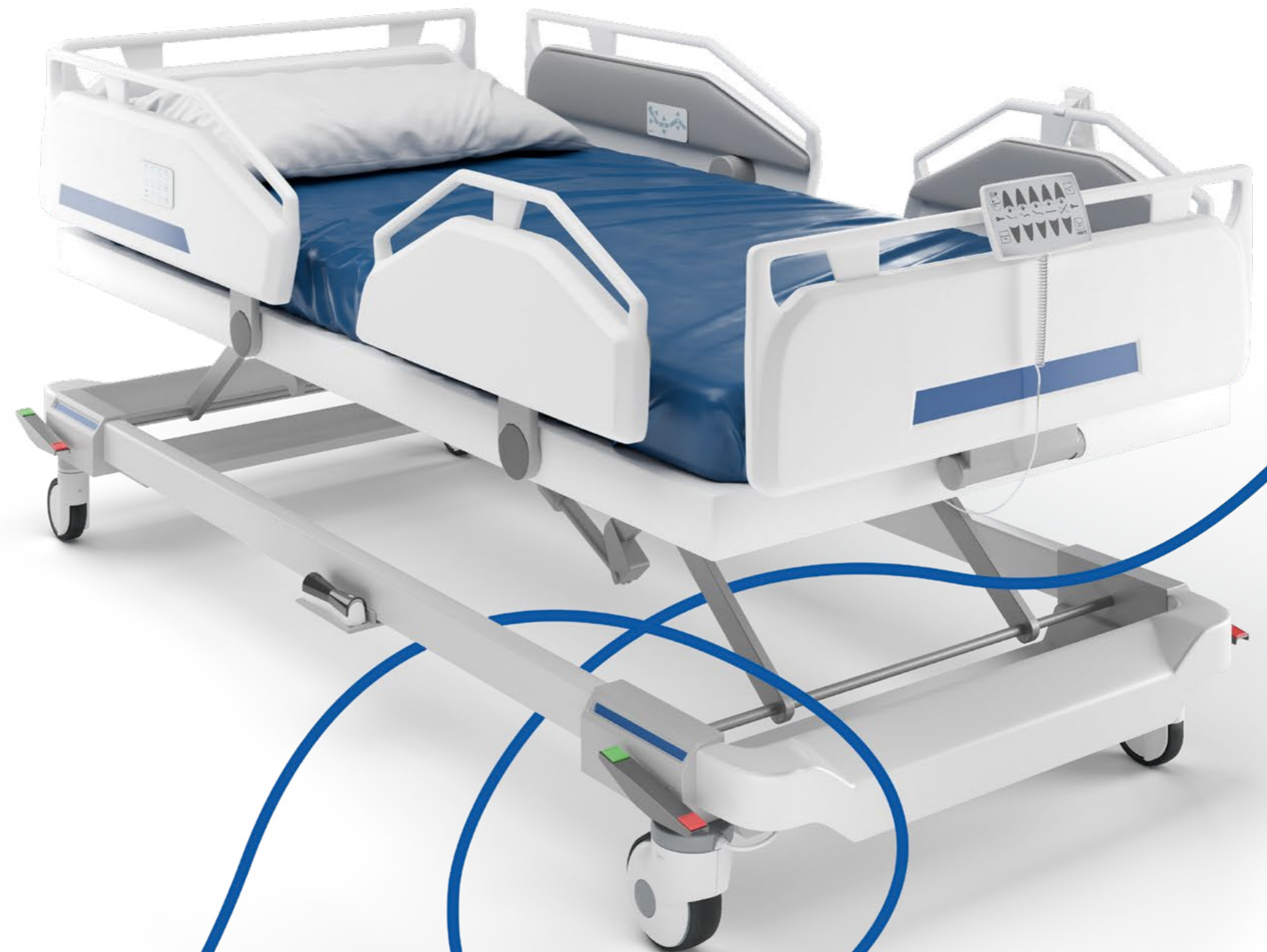
save a lot of time and money.

Increased employee satisfaction

The WeAssist system will in many ways improve the working conditions in your hospital and ease the burden on your nurses and porters. This improvement will contribute to greater employee satisfaction and boosts your appeal as an employer.

Retrofit now!

Prepare your existing bed systems for the future. Simply inform us of the bed system you currently use and the number of units in operation. We will identify the appropriate version and provide you with a tailored offer: [WeAssist.com/en/contact](https://www.linak.com/en/contact).



**We love
to assist you!**

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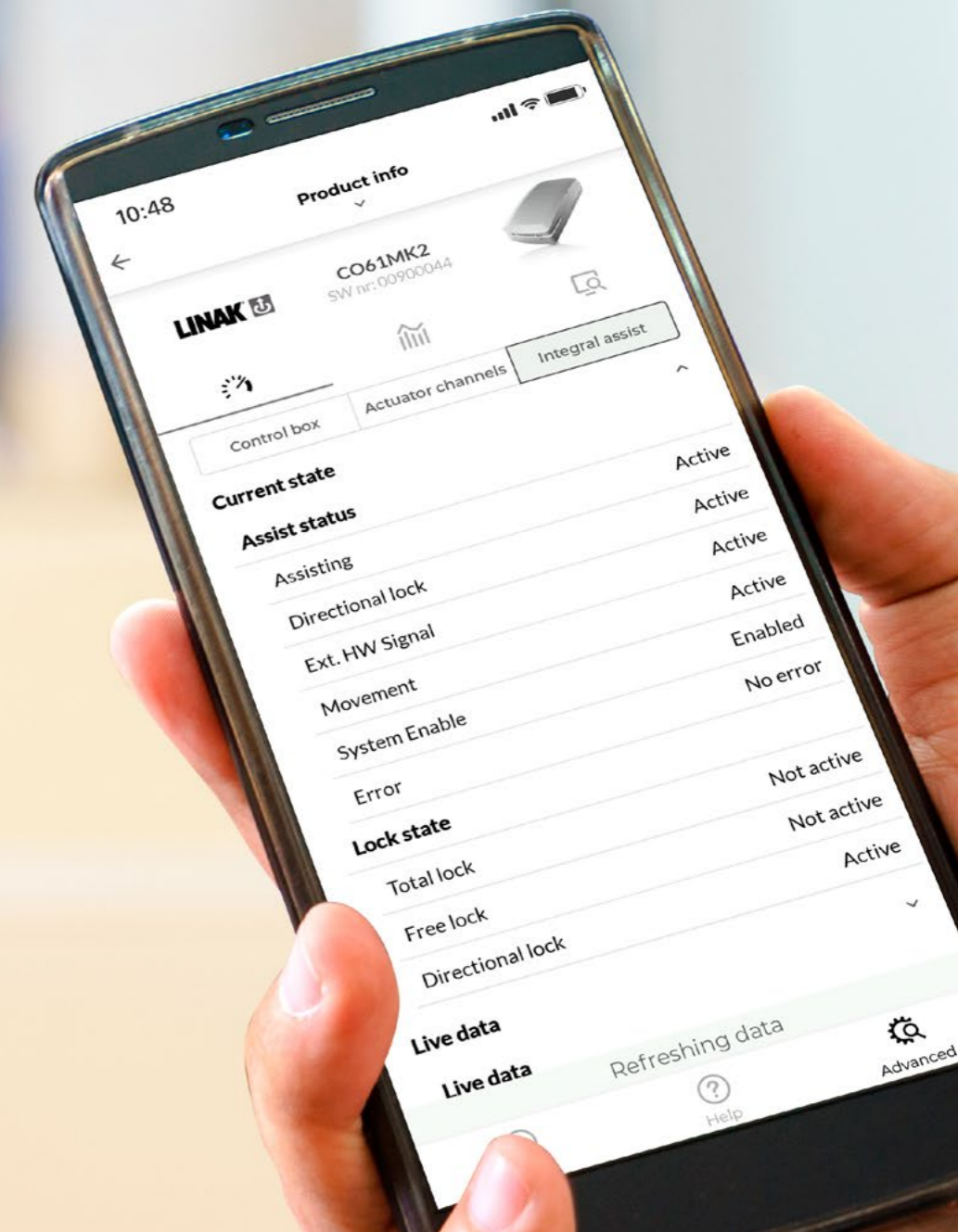
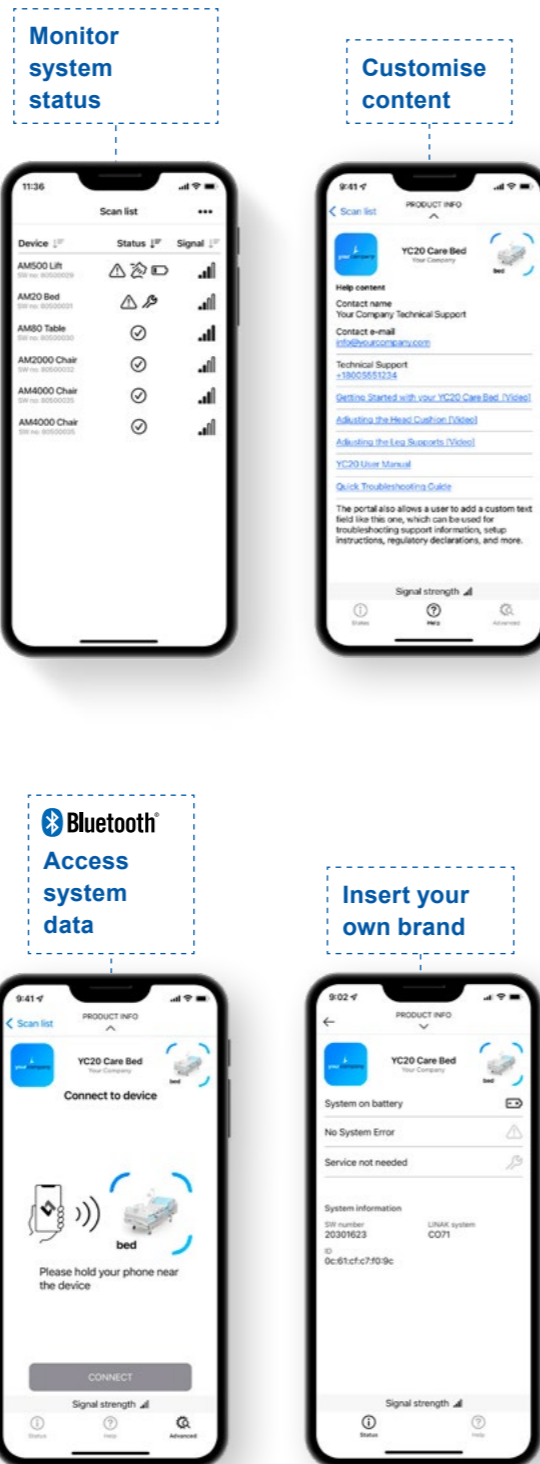


Easily prevent downtime

The OneConnect™ app, available for iOS and Android devices, enables service engineers to remotely assess WeAssist™ and help your team troubleshoot issues.

The hospital staff can also access the real-time data from WeAssist directly through OneConnect™.

A quick walk down the hospital ward is all it takes to identify which WeAssist systems need charging, cleaning, or maintenance. This process is fast, efficient and requires no cables, as LINAK® control systems support Bluetooth® wireless technology.



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Simply achieving more together

The development of WeAssist™ is not only a milestone, but a strong collaboration between our two companies: LINAK® and TENTE®. Together, we have joined forces to bring WeAssist from concept to implementation.

Good things come in pairs

As part of our collaborative development, both our companies have used valuable synergies and lots of expertise: LINAK® is one of the leading companies in the field of electric linear actuators for medical applications. TENTE® is one of the global market leaders in castors for hospital and care beds.

The combined expertise of both companies, along with our many years of experience in the healthcare sector, is seamlessly reflected in the innovative features and functions of the WeAssist™ system.

Maximum reliability

LINAK and TENTE have consistently represented the highest standards of quality, reliability, and unique product excellence. These attributes influence every aspect of our joint development, ensuring a final product that meets the most stringent requirements: yours.

Discover more

Scan the QR code to find out more about the two partners:

