

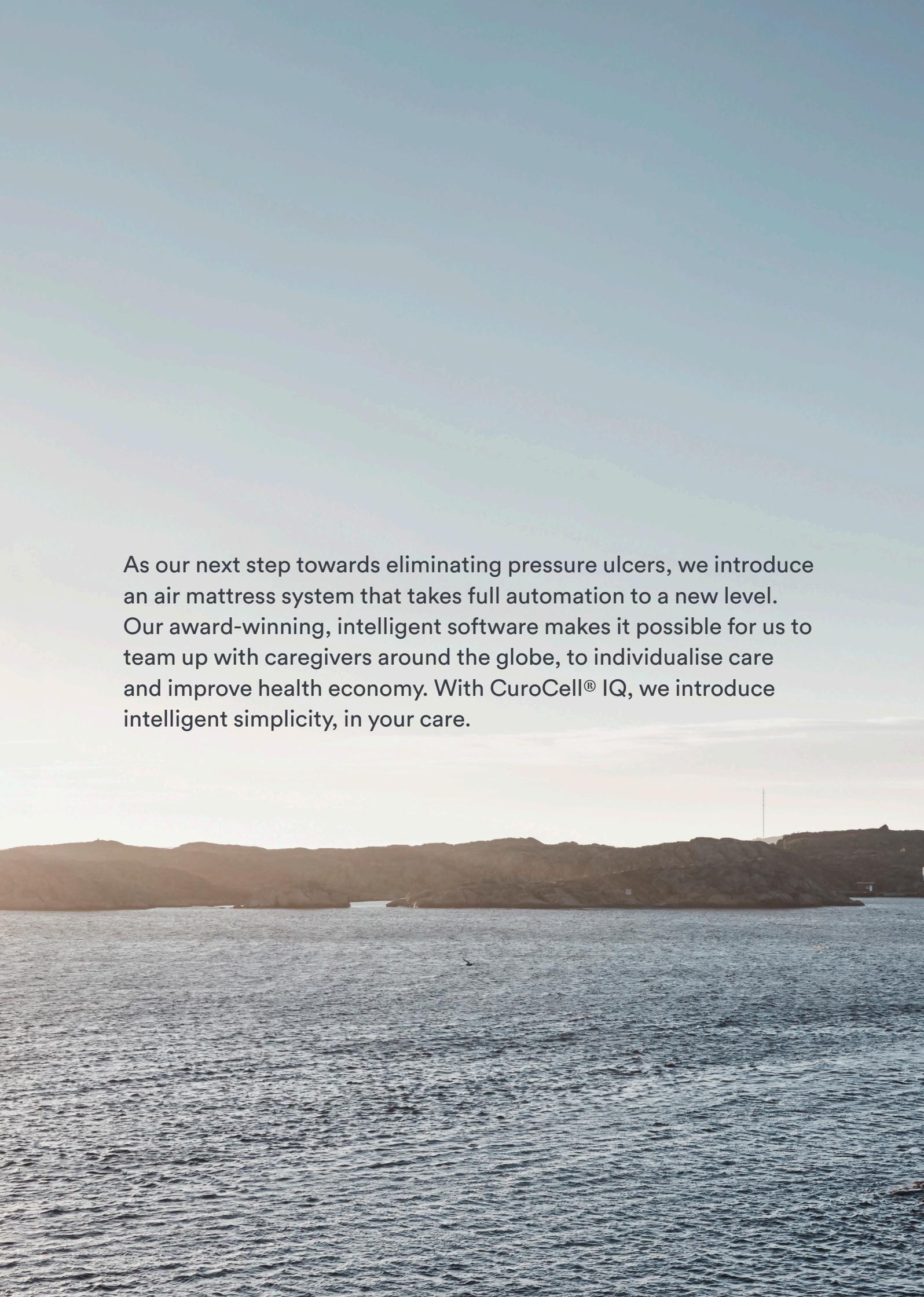


# Individualised care with CuroCell® IQ

 care of sweden  
SUPPORTING LIFE



# The future of pressure relief



As our next step towards eliminating pressure ulcers, we introduce an air mattress system that takes full automation to a new level. Our award-winning, intelligent software makes it possible for us to team up with caregivers around the globe, to individualise care and improve health economy. With CuroCell® IQ, we introduce intelligent simplicity, in your care.



# Intelligent simplicity

The new CuroCell® IQ features simplicity at its best. The system identifies the user and automatically adapts itself to the individual, thereby allowing better care for the user as well as an easier work load for caregivers. This makes CuroCell® IQ a beneficial investment for care units around the world.



No manual  
settings  
required.

## Increased comfort

The CuroCell® IQ control unit is pre-set to our newly developed Pulsating mode, which offers a documented high level of comfort and effective pressure relief<sup>(1) (2)</sup>. Sleep, in combination with a calm and quiet environment are key factors in recovery and increased well-being<sup>(3) (4) (5)</sup>. This is why CuroCell® IQ is developed to offer extremely low noise- and vibration levels.

The function Air Flow Control™ allows the mattress to reuse the air inside it. The feature provides a constant temperature in the mattress as well as quiet, calm and stable airflows.

## Reliable solution

With the CuroCell® IQ we offer a truly automatic system, and a new level of safety and efficiency. The control unit is equipped with active sensors, prepared to continuously react to body position changes, without the need of any manual settings or adjustments. Always offering an effective solution for each individual in every situation, the CuroCell® IQ means less handling for staff and increased safety for the user. This is what we mean by Individualised care.

<sup>1</sup> Dr Peter Worsley, Dr Luciana Bostan and Professor Dan Bader. Investigation of the biomechanical and physiological responses to prolonged lying postures during three mattress modes. Unpublished manuscript. University of Southampton, 2018.

<sup>2</sup> Beeckman D., Van Hecke A., Verhaeghe S., Van Damme N., Manderlier B., Zwaenepoel E. The use of a fully automated pulsating support system (CuroCell® A4 CX20) in pressure ulcer prevention and treatment: a clinical test in 10 Belgian nursing homes, International Wound Journal. Unpublished manuscript. Gent University, 2019.

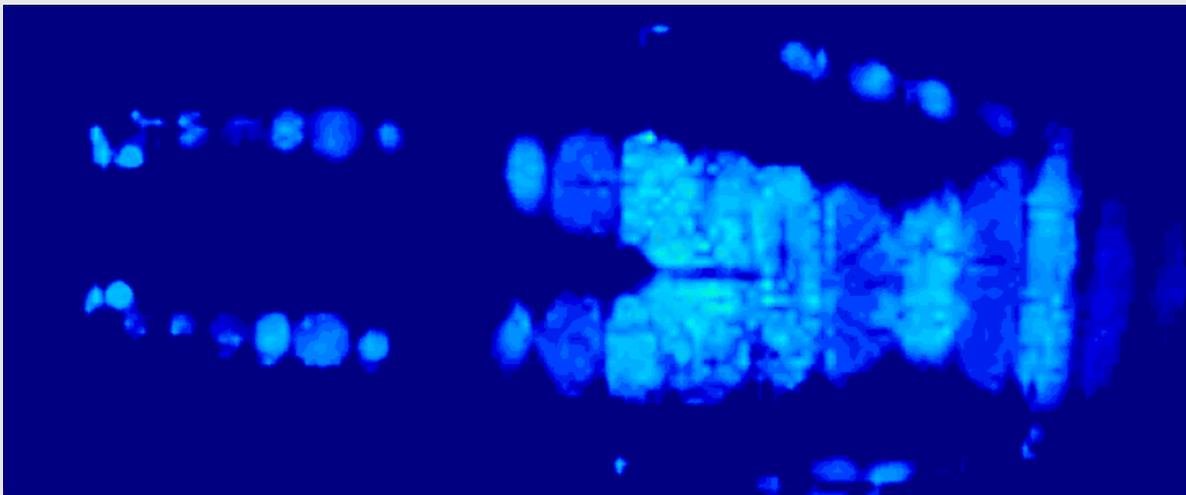
<sup>3</sup> Hagerman I et al., "Influence of intensive coronary care acoustics on the quality of care and physiological state of patients", Int J Cardiol. 2005 Feb 15;98(2):267-70

<sup>4</sup> Hsu et al., "Noise pollution in hospitals: Impacts on patients", J. Clin. Out. Mgmt. 2012, vol 19, no 7, p301-309

<sup>5</sup> Johansson et al., "The sound environment in an ICU patient room - a content analysis of sound levels and patient experiences", Intensive and Critical Care Nursing Journal, Oct 2012, 28(5), p.269-279

# Clinical studies prove benefits of the Pulsating mode

We have made the CuroCell® IQ our most intelligent, yet simplest control unit so far. The Pulsating mode is the only featured program, making it easier than ever to individualise effective care. The clinical results of The Pulsating mode has been proven in different studies, showing it to be superior to the traditional Alternating modes.



The Pulsating mode provides less differences between the inflated and deflated mattress cells, in order to give the user a safe, highly comfortable and calm experience on the mattress.

N.B. The image is for explanatory purposes only and do not show clinical treatment.



## Effective choice for even blood flow in user tissue

A study performed at University of Southampton<sup>(1)</sup> shows that The Pulsating mode, with its gentle air flows, increases comfort and assures an even blood flow in the user's tissues. The Pulsating mode also offers the user less awareness of the support surface's movements and is more adaptable to mimic the natural movements of the body, compared to a traditional Alternating mode.

## Well proven for both prevention and treatment

Another study performed at Gent University<sup>(2)</sup> confirms that the cumulative pressure ulcer incidence associated with the use of Pulsating mode was as low as 2.5%. The results indicated that the existing pressure ulcers category 3 or 4 did not worsen and also healed while using a fully automated Pulsating support system.

Overall, participants' comfort while using the Pulsating mode was rated very good to excellent by both users and caregivers.

<sup>1</sup> Dr Peter Worsley, Dr Luciana Bostan and Professor Dan Bader. Investigation of the biomechanical and physiological responses to prolonged lying postures during three mattress modes. Unpublished manuscript. University of Southampton, 2018.

<sup>2</sup> Beeckman D., Van Hecke A., Verhaeghe S., Van Damme N., Manderlier B., Zwaenepoel E. The use of a fully automated pulsating support system (CuroCell® A4 CX20) in pressure ulcer prevention and treatment: a clinical test in 10 Belgian nursing homes, International Wound Journal. Gent University, 2019.

# Flexibility and innovation, in your care

## A complete solution for individualised care

CuroCell® IQ offers a complete solution for users, caregivers and care units, including values beyond product features. To eliminate pressure ulcers intelligent medical devices will be needed, along with specialised services to complete the picture. With CuroCell® IQ we offer simple and effective handling in combination with reduced logistics- and distribution costs.

No two users are alike and their different needs have affected the development of our pressure-relieving mattresses. To support these needs we have developed CuroCell® IQ to be compatible with five different mattresses. This makes it possible for care units to invest in a range of mattresses, all compatible with the same control unit.

Air Flow Control™

### For an improved microclimate

Air Flow Control™ is a technology that provides a constant temperature, increased user comfort and lower energy consumption.



### Pack&Go® simplifies deflation

With the Pack&Go® function, a press of a button is all that's needed to empty the mattress of air. Staff can easily pack the mattress away, and avoid having to manually squeeze the air out of used and contaminated products.



## Award-winning technology

Care of Sweden's fully automatic products have been internationally recognised for their innovative engineering and excellent performance.



The same control unit goes with all the mattresses.

## CuroCell® IQ is available in the following models:

- CuroCell® IQ OP10: 10cm mattress overlay up to 160 kg
- CuroCell® IQ CX10: 10 cm mattress overlay up to 200 kg
- CuroCell® IQ CX15: 15 cm mattress replacement up to 200 kg
- CuroCell® IQ CX16: 16 cm mattress replacement up to 200 kg
- CuroCell® IQ CX20: 20 cm mattress replacement up to 250 kg

# Together with caregivers, eliminate pressure ulcers.



This has been our goal since our start in 1999 – to develop world-class tools for the healthcare sector, making it possible to take excellent care of users, and improve health economy. Together with caregivers around the world we can work towards a world without pressure ulcers.

/Magnus Högberg, founder, owner and CEO

Care of Sweden is an innovative company in the medtech sector, devoted to the cause of eliminating pressure ulcers around the world. Our product range covers mattresses, positioning pillows and seat cushions, used as an aid in the prevention as well as treatment of pressure ulcers. Our head office, R&D and production are located in Tranemo, western Sweden, and our products are used in care facilities across Sweden as well as in many other parts of the world.



**Active Healthcare (NZ) Ltd**

**0800 336 339 | [www.activehealthcare.co.nz](http://www.activehealthcare.co.nz)**

**Exclusive supplier in New Zealand**