



UNLEASH  
POTENTIAL!

# INNOWALK PRO

Enhance your rehabilitation strategies

 made for  
movement

# GET THE MOST OUT OF THERAPY TIME

In physical rehabilitation, various therapeutic methods help a person restore or maintain functions due to diagnosis-related symptoms, illness, injury or post-surgical conditions.

Whether it is in-patient or out-patient rehabilitation, the main goals are to safeguard body function and structure, and to enable activity and participation in everyday life for children, youth and adults with disabilities ([who.int/classifications/icf/](http://who.int/classifications/icf/)).

Intensity of training is critical for success. Rehabilitation professionals often experience lack of time and absence of affordable and sufficient equipment to deliver services addressing the needs of people with severe disabilities.

**The Innowalk Pro is a robotic mobilisation and rehabilitation trainer allowing patients with severe disabilities to stand and move by offering exceptional flexibility in adjustment and support.**







# EMPOWER YOUR PHYSICAL THERAPY METHODS

The Innowalk Pro enables early mobilisation with high intensity in an upright or semi upright position. This flexible device allows patients to change their postural position safely and comfortably from **sitting** to **standing** to **moving**.

Recent research within the field of neurology shows that task-specific repetitive approach has proved to be the most effective motor learning concept.

The Innowalk Pro gives more people access to assisted, guided and repetitive movement - without hands-on presence of physiotherapists. It frees up your time to provide additional valuable activities with the patients.



Sitting and moving



Standing and moving



# DELIVER HIGH INTENSITY TRAINING FOR EVERYONE

## BENEFIT FROM TRAINING WITH INNOWALK



30 MIN  
SESSION

=



AROUND  
2 000 STEPS  
(65RPM)



The robotic rehabilitation trainer is easily and quickly adjusted to individual sizes and different needs.

By using the Innwalk Pro, both ambulatory and non-ambulatory patients can conduct movement with weight-bearing in a safe and well-supported way. Patients even have the option to do the training in a sitting position if required.

A wide range of accessories enable the use of the Innwalk Pro further to accommodate any functional level.

## Who can benefit from training in the Innwalk?

### Patients with:

- Traumatic injuries
- Spinal cord injury
- Neuromuscular and congenital conditions, such as:
  - Cerebral palsy
  - Muscular dystrophy
  - Multiple sclerosis
  - Spina bifida
  - ALS (Lou Gehrig's Disease)
  - Arthritis
  - Parkinson's disease
  - Essential tremor

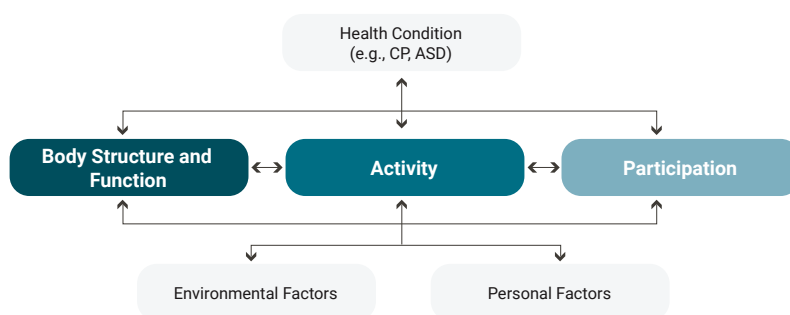
# THE THERAPEUTIC BENEFITS OF PHYSICAL ACTIVITY AND TRAINING

The International Classification of Functioning, Disability, and Health (ICF) describes health and health-related conditions for children and adults. The ICF framework is used for collaborative rehabilitation and goal-setting with focus on person-centered care. It consists of two parts: Functioning and Disability and Contextual Factors.

## Functioning and Disability includes:

- Body Functions and Structures—describes actual anatomy and physiology/psychology of the human body.
- Activity and Participation—describes the person's functional status, including communication, mobility, interpersonal interactions, self-care, learning, applying knowledge, etc.

Together with other therapy methods, the Innowalk Pro helps improve body function and structure and thus enables activity and participation in everyday life.



## Primary benefits:



**STRETCHING OF MUSCLES AND JOINTS**  
prevents contractures and deformities, as well as reducing the muscle tone



**ACTIVE STANDING POSITION** is physical activity

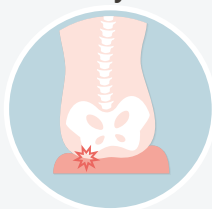


**RESPIRATION & CIRCULATION**  
are positively affected during vertical position and activity

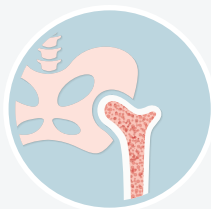


**MUSCLE ACTIVITY**  
Muscles in the whole body are activated and stimulated during activity

## Secondary benefits:



**SKIN INTEGRITY**  
issues are prevented through pressure relief and increased blood flow



**BONE MINERAL DENSITY**  
is developed through good nutrition, weight-bearing and the use of the muscles



**MENTAL FUNCTION**  
is positively affected in an active standing position



**GASTROINTESTINAL FUNCTION**  
is stimulated in active standing position

# PRICING AND FINANCING

## Keep your margins

We will work directly with you to ensure that you get access to the best possible therapy by offering an affordable solutions through leasing. BNP Paribas Leasing Healthcare is our international financial partner.

Contact us to receive a flexible, fit for purpose solutions tailored around your needs.

If a leasing option is not available in your country we can discuss alternative options.





# ACHIEVING YOUR GOALS

We advice, share knowledge, and provide good training to assure safe and comfortable use and optimal outcome of the Innowalk Pro at your facility.

We make sure your team is qualified and confident in operating the Innowalk Pro in your daily rehabilitationwork.





# CASE STUDY AT KRANKENHAUS RUMMELSBERG PROVES POSITIVE IMPACT

The German hospital, Krankenhaus Rummelsberg outside Nürnberg has used the Innowalk Pro as part of their rehabilitation service after minimally invasive single-event multi-level surgery.

In a study with 32 children and adolescents, the Innowalk Pro was used as post-operative movement therapy. Early mobilisation training was carried out 30 minutes, twice a day, for 3,5 weeks in average (2-5 weeks) .

## Objective

The participating children and adolescents had musculoskeletal changes relating to spastic motor disturbances. The goal was to improve joint mobility, reduce spasticity, and facilitate standing, sitting and walking.



## Results

Chief Physician for the Department of Paediatric Orthopaedics at the clinic, Prof.h.c. Dr. Walter Michael Strobl, headed the study.

The early mobilisation group had significantly less pain, significantly improved muscle strength as well as gross motor function, and significantly improved GAS outcome.

The baseline for further treatment in the outpatient department and rehabilitation centre was thus significantly more favourable.

Development in those children and adolescences who continued using the Innowalk therapy for several months at home was assessed to be particularly positive.



The study shows that use of robotically assisted early mobilisation after the specified neuro-orthopaedic operations, reduces post-operative pain and loss of strength, compared to conventional procedures.

**DR. WALTER MICHAEL STROBL**

**Source:** Strobl, Walter & Senghaas, Patricia & Schuseil, Jobst & Kollaschinski, Markus. (2016). Early mobilisation by locomotion therapy following minimally invasive multi-level surgery for children and young adults with cerebral palsy.

# PRODUCT SIZE RANGE AND TECHNICAL INFORMATION



*Sitting position*



*Standing position*

	<b>INNOWALK PRO SMALL</b>  User height: 100 -145 cm User weight: max 65 kg	<b>INNOWALK PRO LARGE</b>  User height: 145 -190 cm User weight: max 95 kg
<b>WIDTH</b>	<b>76 CM</b>	<b>76 CM</b>
<b>LENGTH</b>	<b>150 CM</b>	<b>170 CM</b>
<b>HEIGHT</b>	<b>210 CM</b>	<b>210 CM</b>
<b>WEIGHT</b>	<b>120 KG</b>	<b>130 KG</b>

! Standard product configuration now includes the new Feedback Monitoring System.  
 • Measures number of steps, time, speed, distance and generates reports.



# OPTIONAL CLINICAL PACKAGE

Clinical package contains arm-movement handles, shoulder-straps, table, neck support, foot plate soles and hand fixation gloves. The clinical package comes in two sizes; **Small** and **Large**.

Optional Clinical package	Art.no.
Small	302297
Large	302296

Available accessories	Art.no.
Transport device Pro Small and Large	200413



## ARM-MOVEMENT HANDLES

- Stimulates arm and hand function
- Increased training effect



## HAND FIXATION GLOVES

- Enables use of arm-movement handles



## SHOULDER-STRAPS

- Upper body support



## TABLE

- For playing and activities
- Social interaction with others
- Support of hands and forearms for better stability
- Increases the feeling of security



## NECK SUPPORT

- Provides extra support for the head
- Sizes: S, M and L.



## FOOT PLATE SOLES

- Soles to compensate for leg length discrepancy
- Additional soles for Innwalk Pro Small

# MEET Wilhelm!

Wilhelm is a 71 year old paralysed man with an incomplete spinal cord injury. He can sit independently, but has lost the ability to stand and walk. His tonus is normal.

The main goal for rehabilitation treatment has been to deal with a life in wheelchair and how to handle all practical aspects of the paralysis. At the NIB Köln clinic he has been introduced to assistive devices, such as the Innowalk Pro, in search for aids providing most benefits to his challenges of being sedentary.



Wilhelm uses the Innowalk Pro four times a week in training sessions of 30 minutes each. Through training, Wilhelm receives a lot of sensory feedback from his feet. The symmetrical reciprocal movement allows for good adjustment and positioning of his legs.

**JULIAN BREUER PHYSIOTHERAPIST  
NIB GMBH & CO. KG**







## MEET Stefanie!

Stefanie is 45 years old and has been diagnosed with MS. The illness has progressed, and now she uses a rollator for mobility and has in addition high tone in the adductors. She sits independently and stands briefly without support when dressing.

During the past 6 years Stefanie has not been able to use her right leg due to a weak nerve transection. Her physiotherapist has looked for an assistive device to contribute to reduce tone, build muscles, activate extensors and maintain existing abilities.



Stefanie has improved her trunk stabilization and has reduced spasticity in her legs. This allows her to walk safely and longer with a rollator.

**JULIAN BREUER PHYSIOTHERAPIST  
NIB GMBH & CO. KG**

# MEET Tim!

Tim is an 18 years old young man diagnosed with CP, GMFCS level V. He sits and can also walk with support, and has mild contractures in his legs, but suffers from pronounced spasticity.

After a femur fracture the physiotherapist suggested to use the Innowalk Pro in order to exercise with weight-bearing in an upright position and strengthen his muscles. The main goal with the training was to maintain functional skills.

Tim is exercising 3 times a week for 30 minutes each session at the Physical therapy centre NIB in Köln.



The outcome has been very positive with increased muscle strength, tone regulation, and a more stable sitting posture, making it easier for him to transfer.

Tim is really happy when he can go in the Innowalk Pro.

**JULIAN BREUER PHYSIOTHERAPIST**  
**NIB GMBH & CO. KG**







## MEET Samuel!

Samuel Koch is a 31 year old actor, who was seriously injured after jumping over moving cars on the live German TV show Wetten, dass...? Samuel is now paralyzed from the neck down.


Training has always been an important part of his life, and Samuel has tried a lot of therapy during his years of rehabilitation. After being introduced to the Innowalk Pro at a clinic in Cologne, he is now using it every day as exercise.



I have never used a device that provides such an intensive training of my body, - I am actually out of breath. What a feeling!

**SAMUEL KOCH, ACTOR**

**For more information,  
please contact us**

 +47 35 50 51 20

 [info@madeformovement.com](mailto:info@madeformovement.com)

 [madeformovement.com](http://madeformovement.com)

