

Therapy X Gaming

February 2022

Martinsried,
Fabruary 2022

ICAROS



BORING PHYSICAL THERAPY DOES NOT WORK



ICAROS combines groundbreaking therapy devices with self-learning, gamified VR Rehabilitation software

ICAROS





A Game-Changer in Neuro Rehabilitation

12,2 Mio.

New stroke patients per year worldwide

add to a total of 101 Mio. stroke patients worldwide

270,000

New stroke patients in Germany per year add up to a total of 2,8 Mio. Stroke Patients in GER.

No. 1 Reason

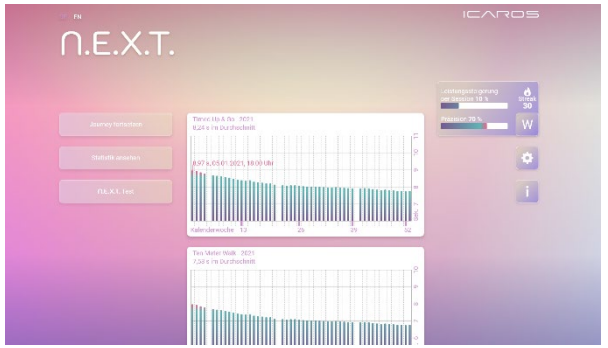
For Disabilities amongst Adults

https://dgn.org/presse/pressemitteilungen/am-29-oktober-ist-welt-schlaganfalltag-immer-mehr-juengere-menschen-betroffen/

ICAROS

Germany's Federal Ministry of Economics is funding ICAROS project N.E.X.T. (Neuro-Experience Training) with a six-figure sum for the further development of **AI-based VR training systems for neurotherapy. Launch will be 1st of February 2022 !**





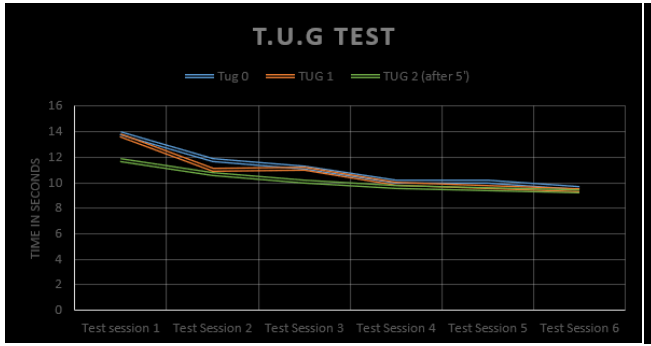


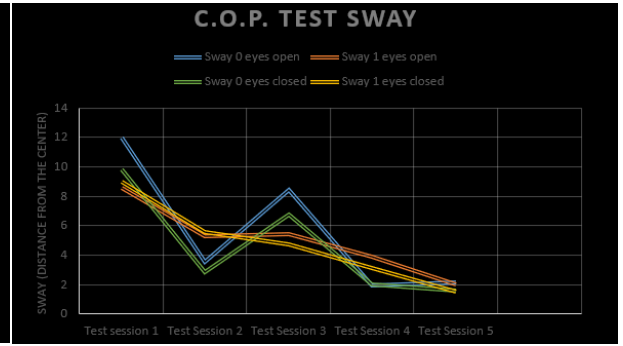






Ongoing internal studies show **significant improvements of mobility, coordination and decrease of spams** on stroke patients training with ICAROS VR-Systems.





ICAROS N.E.X.T. Approach
Neuroplasticity, Gamification and Data-Analytics



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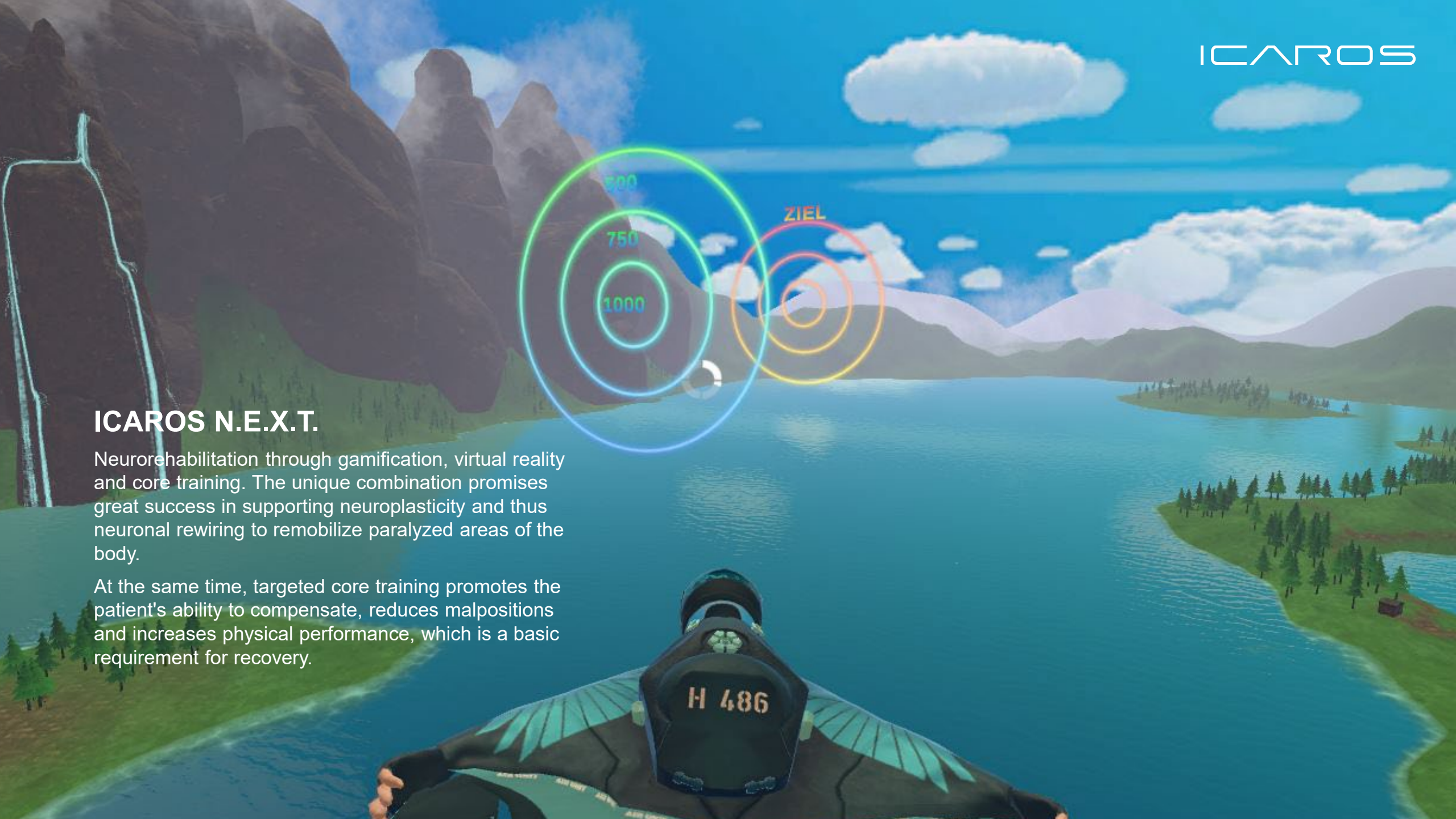
ICAROS Health
Core training and balance exercises in an unusual movement matrix create opportunities for re-mobilization through neuroplasticity

PC-VR Goggles
Virtual Reality promotes a very intensive and direct biofeedback.
The sense of sight and the vestibular sense are addressed simultaniously

ICAROS N.E.X.T. Game
Gamification motivates and makes success measurable. AI allows the game to adapt to the patient's abilities.

N.E.X.T. Platform
Online platform creates individual availability and location independence

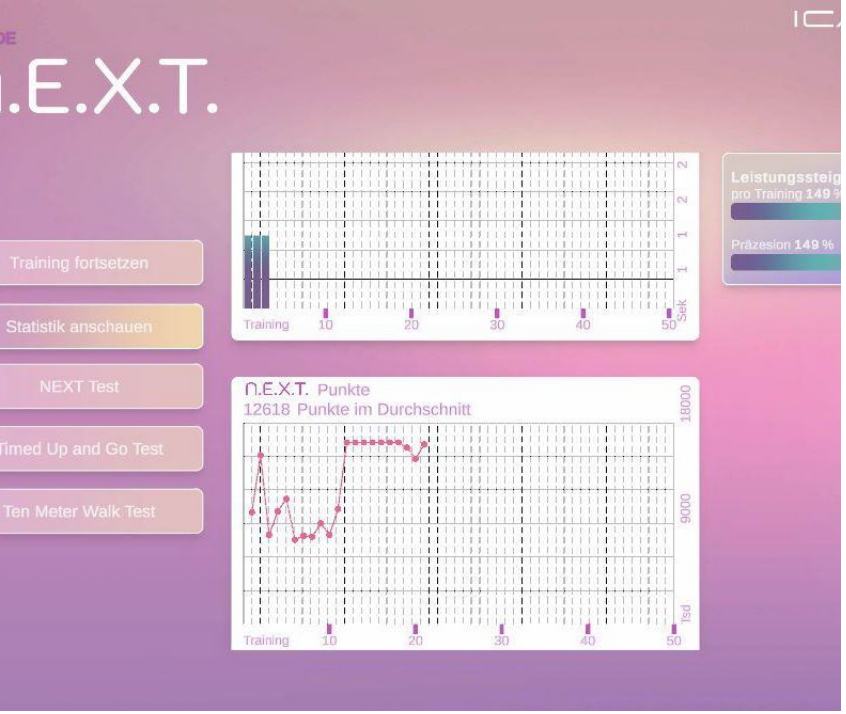
ICAROS



ICAROS N.E.X.T.

Neurorehabilitation through gamification, virtual reality and core training. The unique combination promises great success in supporting neuroplasticity and thus neuronal rewiring to remobilize paralyzed areas of the body.

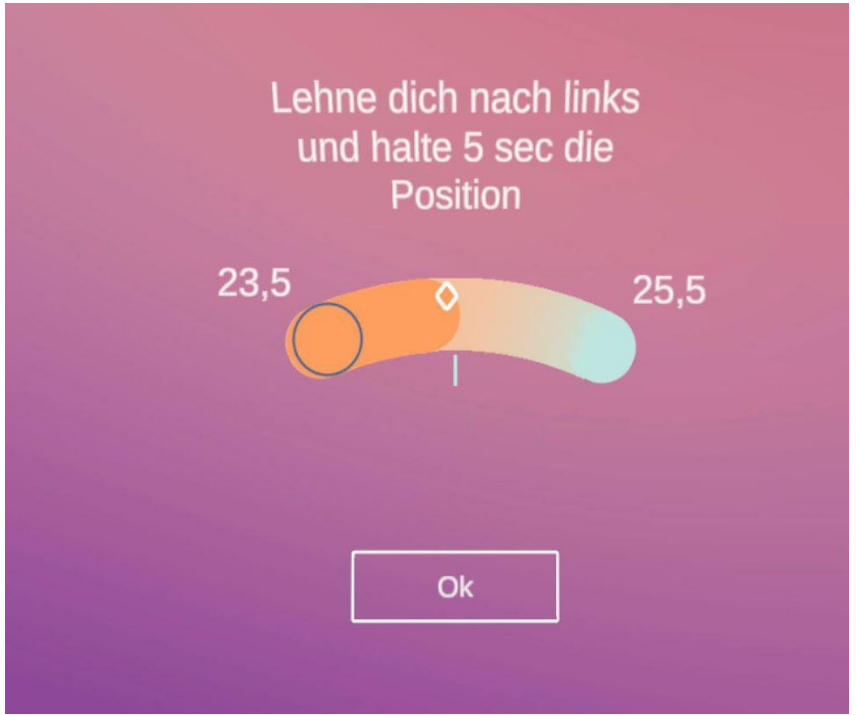
At the same time, targeted core training promotes the patient's ability to compensate, reduces malpositions and increases physical performance, which is a basic requirement for recovery.


.E.X.T.
Training fortsetzen
Statistik anschauen
NEXT Test
Timed Up and Go Test
Ten Meter Walk Test
Leistungssteig
pro Training 149 %
Präzesion 149 %
Training 10 20 30 40 50 Sek
Ո.E.X.T. Punkte
12618 Punkte im Durchschnitt
Training 10 20 30 40 50 Tsd


ZIEL
H 486


ICAROS
Ո.E.X.T.


VIVE


Lehne dich nach links
und halte 5 sec die
Position
23,5
25,5
Ok


ICAROS

ICAROS Health – Medical Device Class 1
CE confirmed, available since 2018



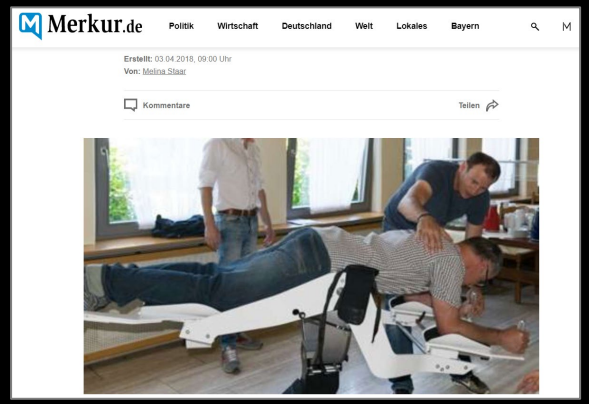


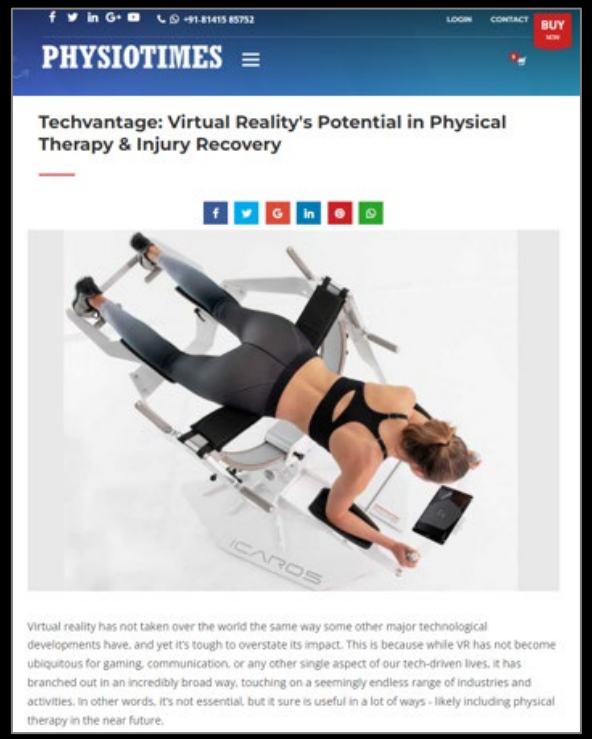


CE

Patienten, Therapeuten und Medien bestätigen einen hohen Bedarf und den „early proof of Concept“ von ICAROS Systemen



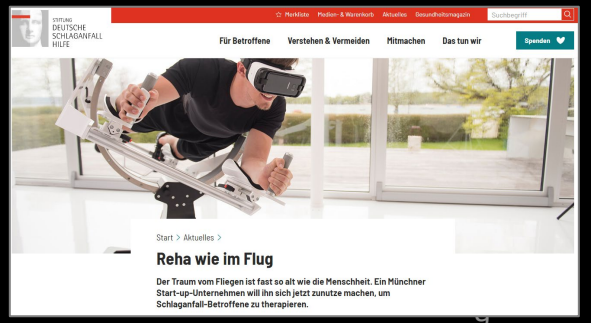












From Patient to Athlete

TV Interview:
https://www.youtube.com/watch?v=SetlgrPBb-A

Walter has been training with us on our systems since August 2020. He is hemiplegic since his stroke eight years ago.
He started his exercises on an ICAROS Health System specially prepared for him, which offered him a lot of safety and support functions.
However, after just 3 months, Walter was too good for our rehabilitation software AIM and was able to seamlessly immerse himself in our VR racing world ICARACE.COM. In these three months he was able to nearly half his time in the TUG test from 13.9s to 7.2s
He is now one of the 10 fastest pilots worldwide in our online multiplayer. He took part in our 4th World Championship in October 2021 and trains daily on an ICAROS Home device.
His personal road to success helped us to develop a system that is now also intended to help other people who suffer from motor impairments



ICAROS Health – Advanced VR CORE Workouts

VR-Experiences for exercise and therapy developed with **ICAROS Science Board** of Physiologists, Surgeons and Scientists. Unique technology designed along latest scientific findings and **patient‘s needs.**

https://www.youtube.com/watch?v=ODcs1JU2W9Q&t=152s
https://www.youtube.com/watch?v=Vxy5cRRK16s
https://www.youtube.com/watch?v=SetlgrPBb-A&t=32s







ICAROS tackles Back Pain, a major Challenge for Society

€ 49 bn.

Economic Damage in Germany per Year

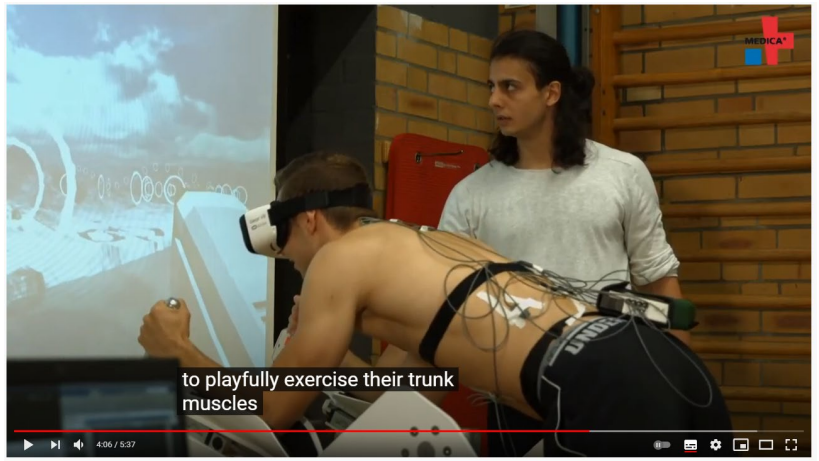
21 Mio.

sick days in Germany due to back pain in 2019

44 %

of sick days in Germany caused by back pain

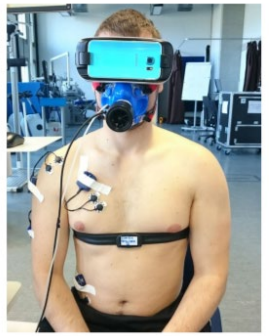
For more information, please watch Video:
https://www.youtube.com/watch?v=ODcs1JU2W9Q



ICAROS VR - Training and Prevention in Virtual Reality









Strong Traction in professional Health and Fitness

ICAROS professional systems are operated in the most premium **Health and Fitness** Facilities in more than **50 countries**.

Red Bull

TUI CRUISES

ForteVillage SARDINIA

HYATT CENTRIC™

LANSERHOF

Pines KEMPINSKI

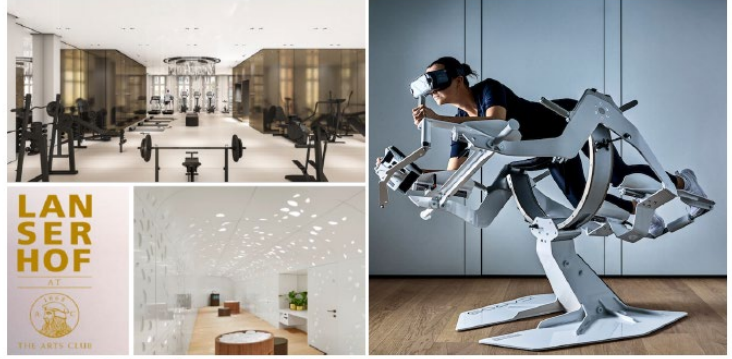
Research Partners:

Deutsche Sporthochschule Köln

fh GESUNDHEITS BERUFE OÖ

TECHNISCHE UNIVERSITÄT MÜNCHEN

RUHR UNIVERSITÄT BOCHUM RUB



Lanserhof at The Arts Club, London, UK

A world-class gym combined with the most innovative medical treatments from the world's leading experts – Lanserhof at The Arts Club is located in the middle of the famous Mayfair district of London. The focus is on an integrated, holistic approach to increasing well-being under medical supervision. Lanserhof at The Arts Club offers Members an unrivalled approach to physical fitness. Since 2019, ICAROS Health is part of this elitist concept.



Hotel Vic on the Harbour, Hong Kong, China

Located in the newly-fashionable district of North Point on Hong Kong Island, Hotel VIC boasts spectacular panoramic views of the harbour and city.
The hotel's comprehensive fitness facilities allow guests to work out anytime at the 24-hour gym, hit the laps at the rooftop outdoor swimming pool or experience an innovative fitness journey with the two ICAROS Pro devices.



Red Bull Media World, Lucerne, Switzerland

In the Red Bull Media World you will find various stations where you can immerse yourself in the most diverse forms of media. Highlights include obviously the ICAROS virtual reality installations consisting of ICAROS R and ICAROS Pro devices.



Easy Home, Beijing, China

Easyhome Beijing sells home furnishing furniture, home decoration and design accessories. Even in this admittedly rather unconventional environment, a system of five ICAROS R was installed to provide a multiplayer experience and unique entertainment for their customers.



Mein Schiff 1, TUI Cruises

The Mein Schiff 1 is a cruise ship of the shipping company TUI Cruises. It was put into service in 2018, has a length of about 316 meters and is approved for 2894 passengers. An ICAROS Pro set-up accompanies the Mein Schiff 1 throughout all their journeys across the oceans.

High-Quality References and Reputation

ICAROS

Awards:

GERMAN DESIGN AWARD GOLD 2017

YKK PRESENTS ISPO BRANDNEW OVERALL WINNER 2016/2017 YKK OVERALL AWARD

GERMAN DESIGN AWARD 2021

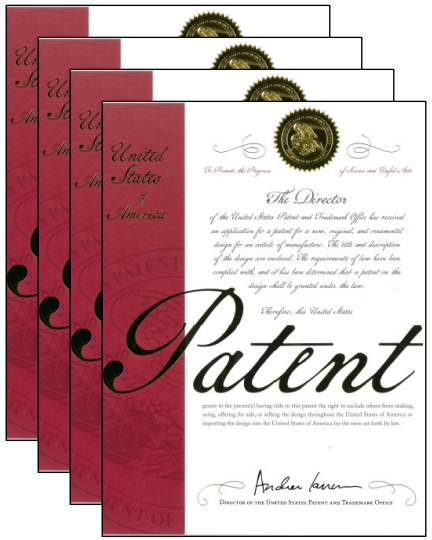
UX DESIGN AWARDS product 2020

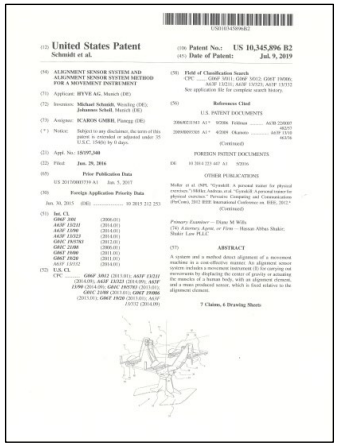
ISPO Award 2018 Gold Winner

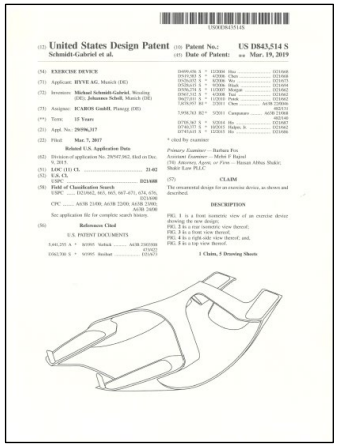
reddot award 2018 winner

UX DESIGN AWARDS Winner 2016

Numerous Patents granted (EU, USA, Japan, China, Korea)







International Media Coverage:

VOGUE

"ICAROS Cloud is the exercise of the future"

Forbes

"See These Companies Use Virtual Reality To Make Fitness Addictive"

Bloomberg

"Virtual Reality hits the gym"

The Telegraph

"Goodbye dusty rowing machine, hello virtual-reality workout"

theguardian

"Need a spot of exercise but can't face the gym? Love gaming but not the couch? ICAROS could be the answer."

Frankfurter Allgemeine

"It´s fun and after a short while you feel muscles whose existence you only knew by hearsay"

FOCUS

"The Fitness-Revolution"

Frankfurter Allgemeine

"It´s fun and after a short while you feel muscles whose existence you only knew by hearsay"

THE WALL STREET JOURNAL

"5 Total-Body Workout Machines That Put Your Treadmill to Shame"

Los Angeles Times

"They had to pry me off it."

London Evening Standard

"You'll be so distracted by the panoramas you'll hardly notice you're working out"

Men'sHealth

"We'll take this over Wii Tennis any day"

Daily Mail

"It's such fun I'm sorry to stop"

Sotheby's

„If traditional workouts leave you bored, the new fitness experience from ICAROS will allow you to burn calories while flying or diving through virtual landscapes."

ICAROS

NEXT DIMENSION OF THERAPY

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