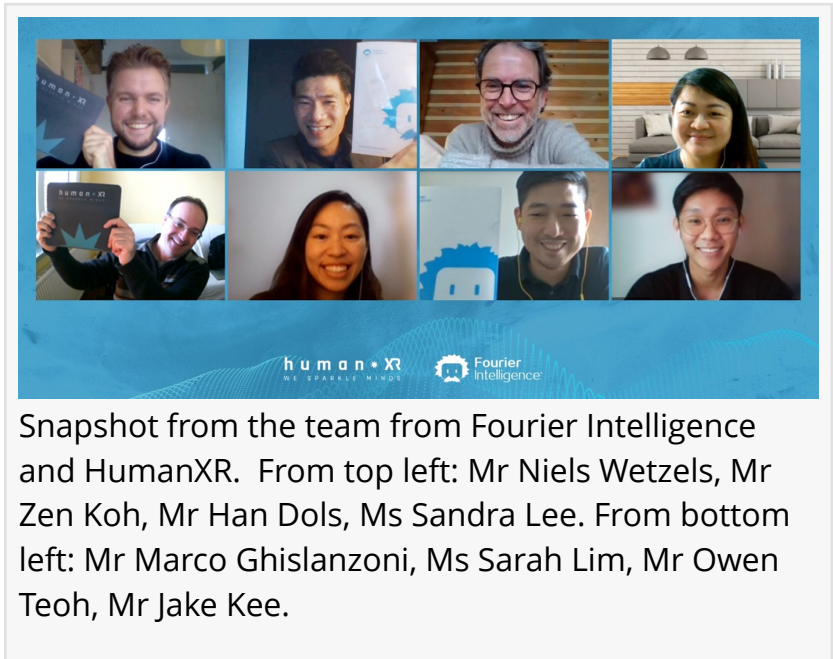


# Fourier Intelligence and HumanXR join forces to advance digital rehabilitation

*HumanXR and Fourier Intelligence join forces to accelerate digitisation for rehabilitation, integrating immersive virtual experiences in medical robotics.*

SITTARD, THE NETHERLANDS, January 25, 2021 /EINPresswire.com/ -- [Fourier Intelligence](#) has announced a strategic partnership with HumanXR. This partnership brings together two pioneering companies in advanced rehabilitation robotics and virtual reality (VR), to co-create innovative and intelligent rehabilitation solutions.



Snapshot from the team from Fourier Intelligence and HumanXR. From top left: Mr Niels Wetzels, Mr Zen Koh, Mr Han Dols, Ms Sandra Lee. From bottom left: Mr Marco Ghislanzoni, Ms Sarah Lim, Mr Owen Teoh, Mr Jake Kee.

HumanXR and Fourier Intelligence have successfully integrated their core technologies to launch a new rehabilitation robotic system with integrated VR capabilities. This novel system combines HumanXR's [New Horizons](#), with Fourier Intelligence's [CycleMotus™](#) H1 to offer an immersive and realistic multi-sensory environment, which in turn increases user motivation and therapy adherence.

“

With HumanXR, we aim to make rehabilitation fun and immersive by combining robotics with VR. This will increase therapy adherence through a realistic multi-sensory environment.”

*Zen KOH*

EXtended Reality (XR) offers an engaging and stimulating 3D environment for users undergoing rehabilitation. The integrated technologies enable users to virtually cycle or hand-pedal through 1,000,000m<sup>2</sup> of carefully designed immersive sceneries, full of serene natural environments, charming villages and motivating interactive components. This is known to increase engagement and promote user's participation, whilst contributing to distracting users from

inconvenience and pain. To accelerate motivation, the user is encouraged to interact and to collect rewards offered during the virtual adventure.

“Virtual reality, combined with robotics, creates rapid, and customised solutions for remote

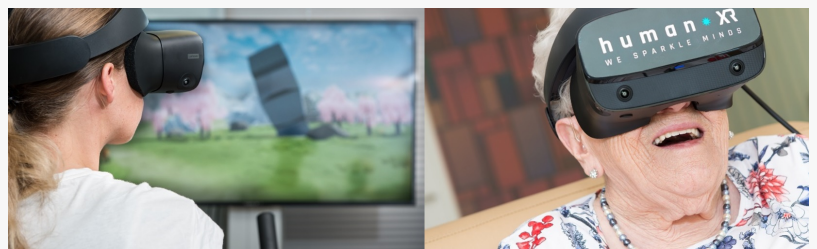
rehabilitation. With the head-mounted display (HMD), we can now bring the user by computer-generated visuals into an immersive, realistic multi-sensory environment. Several studies on VR show its potential for rehabilitation and suggest VR to be beneficial for the medical branch. The immersion may increase therapy adherence and may distract the patient from experiencing pain, fatigue and anxiety.” said Mr Zen Koh, Fourier Intelligence’s Co-Founder, Group Deputy CEO. “The availability of affordable VR devices, alongside the growing adoption of HMDs, are the key factors of driving the adoption of VR in rehabilitation. Together with the team of Mr Han Dols at HumanXR, we help make rehabilitation fun.”

“In the past few years, we have seen the rapid growth of virtual and augmented reality, together referred to as extended reality. We hope that this technology creates a new horizon for alternative forms of exercise, to support those with disabilities”, explains Marco Ghislanzoni, Co-Founder and CTO of HumanXR. “We have successfully integrated New Horizons with CycleMotus, and in the near future will integrate more products from Fourier’s RehabHub series.”

The pandemic accelerated digitisation. Years-long digital transformation road maps became compressed into weeks and months, to keep up with the rapidly changing new norms, and realities. Rehabilitation professionals have acknowledged the importance of telemedicine and digitisation of rehabilitation treatments.



The New Horizons software with CycleMotus™ H1 allows arms or legs pedal exercising training.



The HumanXR VR headset with New Horizons.



CycleMotus™ Series : CycleMotus™ B2L, CycleMotus™ A4 and CycleMotus™ H1.



Some colorful scenes from the New Horizons virtual world.

Rehabilitation professionals have acknowledged the importance of telemedicine and digitisation of rehabilitation treatments.

This alliance has come at the right time in view with the current rehabilitation shift towards providing more virtual reality and telerehabilitation. Though the pandemic has prevented the two teams from physical meetings, since June 2020, the team has collaborated virtually to integrate their systems into one.

"I am enthusiastic about working together with Fourier Intelligence. We designed our immersive worlds to be cheerful, colourful, and playful, aiming to make physical and mental activation fun, for young and old. We are glad to be able to combine this with Fourier's technology, in order to create big impact and provide valuable, innovative solutions for rehabilitation." said Mr Han Dols, CEO of HumanXR.

The partnership will focus on integrating the New Horizons software with the CycleMotus™ H1. The new product is expected to be marketed globally within the second quarter of 2021, allowing users to experience intuitive and immersive rehabilitation training with the newly integrated system. For their next steps, this partnership will collaborate on co-developing more products combining the best of advanced robotics and XR for efficient and engaging rehabilitation.

More information on New Horizons could be found on HumanXR's website (<https://humanxr.com/en/>).

The CycleMotus™ Series (<https://www.fftai.com/cyclemotus/>) can be used for inpatient, outpatient and home rehabilitation.

#### About Fourier Intelligence

Fourier Intelligence is a technology-driven company, infusing creativity into the development of exoskeleton and rehabilitation robotics since 2015. Together with researchers, therapists, and patients, Fourier Intelligence aims to excel in developing and redefining rehabilitation robotics solutions with inter-connectable intelligent robotics technology by elevating user experience with an intuitive, easy-to-use system to enhance the lives of both patients and therapists.

#### About HumanXR

HumanXR is a social enterprise, incorporated in The Netherlands, with a passionate mission to help those in need with amazing virtual experiences designed for physical and cognitive training. The company's technology domain covers Virtual Reality (VR) and Augmented Reality (AR), together referred to as eXtended Reality (XR). In combination with intelligent AI-based algorithms and motion sensor feedback, this provides a solid foundation on creating meaningful virtual experiences.

For investor and media inquiries, please contact:

Kerry GUO (Business Development Director)

Fourier Intelligence

Singapore

Phone: +65-6911-6651

Email: [kerry.guo@fftai.com](mailto:kerry.guo@fftai.com)

For information on HumanXR, please contact:

Niels Wetzels (COO)

HumanXR

The Netherlands

Phone: +31-62521-6860

Email: [sparkle@humanxr.com](mailto:sparkle@humanxr.com)

Kerry GUO (Ms)

Fourier Intelligence

+65 6911 6651

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/534507350>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2021 IPD Group, Inc. All Right Reserved.