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Astrek Innovations's exoskeleton based wearable robotic suit nears launch

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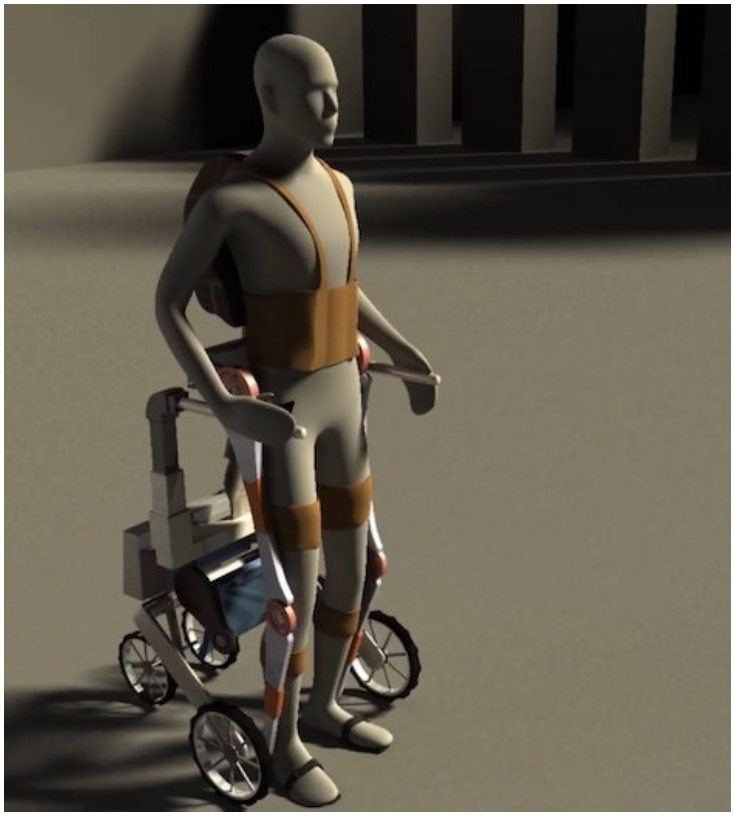
Accelerated by Gurugram-based accelerator, Huddle, Astrekâ??s Unik Exosuit range is a motorised wearable robot



Astrek Innovations, a healthcare startup working with rehabilitation and assistive robotics has announced that it is in the last stages of product development and plans to begin user trials in the second quarter of 2021.

Accelerated by Gurugram-based accelerator, Huddle, Astrek's Unik Exosuit range is a motorised wearable robot that would help people with lower limb disabilities in performing exercises and gait training. The product is embedded with a state-of-the-art motion capturing system that would feed data related to the user in real-time to a physician or caretaker. The device can currently carry a person of up to 80kg weight and can be operated with a battery or from any power source.

"With the first exosuit, as Huddle we've been aiding in bridging towards solutions that can provide assistance to as many in need through their advanced tech while making sure it is accessible to everyone financially and practically , and this breakthrough from the team is an encouraging sign of what is in store," comments Sanil Sachar, Founding Partner, Huddle.

Robin Kanattu Thomas, CEO & Co-Founder, Astrek Innovations, said: "*Astrek envisions a leap into the present in regards to tech available in these sectors using wearable robotics, motion capture, machine learning and data analysis/visualisation*"

Astrek's goal is to make the exosuit & data analysis technology a normal practice in physical medicine and rehabilitation. Jithin Vidya Ajith, Co-Founder and COO, Astrek Innovations, Said, "We believe technology has the power to improve these conditions and are committed to exploring ways to advance goals". They are currently incubated at the Centre for Innovation & Entrepreneurship, IIIT Hyderabad. They are also accelerated by Huddle and HealthStart.