**Product presentation in 1 tweet:**

EzyGain is startup that has created ema®, a medical, smart and connected treadmill for gait and balance rehabilitation.

**History of the company EzyGain:**

Zineb, CEO, has long been sensitive to the disability and the difficulties of vulnerable people. In 2015, she met Dr. Thierry Albert specialized in rehabilitation (MPR), inventor of a new technique of walking rehabilitation. Together, they decide to give life to this innovative rehabilitation treadmill, with weight bearing by the pelvis, and analysis of the walk by integrated sensors. The device is patented in Europe and in the USA, and a complementary team is assembled, Félix, a designer, and Thibault an engineer in biomechanics. They officially incorporate EzyGain in February 2016.

Since then, the team has been joined by Jean-Baptiste (CTO), in charge of IT development.

**Product Description:**

Our product is a medical walking rehabilitation device combined with a cognitive stimulation system: a smart and connected treadmill for people with reduced mobility, loss of mobility or temporary or permanent disability. Compact and affordable, it has been designed to adapt to small structures such as retirement homes, rehabilitation centers, physiotherapy clinics ... but also for the home.

Its harness allows the user to stand automatically from his wheelchair, to lighten his weight from 0 to 100% and to provide fall arrest during the exercises and the transfer and verticalization phases.

Sensors integrated under the belt analyze in real time the user's performance (gait cycle decomposition / center of gravity position / gait symmetry / pace). These data allow the user to control and animate playful exercises and cognitive games, walking exercises, virtual landscapes, balance exercises, all available on the EzyGain application, installed on a commercial touch pad, facing the gaze of the walker.

The professional has a follow-up of all his patients’ progressions, and can allow them to rehabilitate more autonomously. He has a complete progress report of his patients at his disposal and can adapt his therapy.

**Context of product creation:**

In the context of an aging population, the development of chronic diseases and accidents, 4.25 million people in France are experiencing mobility impairments, it concerns more than 70 million in Europe. However, the limited capacity of hospitals forces these patients to turn to smaller facilities, which often do not have enough staff to handle them, and do not have the financial means to acquire big adapted machines.

EzyGain has been designed to accommodate these small structures such as senior homes, rehabilitation centers, physiotherapy clinics, but also for the home so that patients can rehab at home.

Easy to use, compact, affordable, EzyGain intends to democratize walking rehabilitation in small structures by providing physicians with physical relief, medical teams with time savings, and users with improved motor skills.