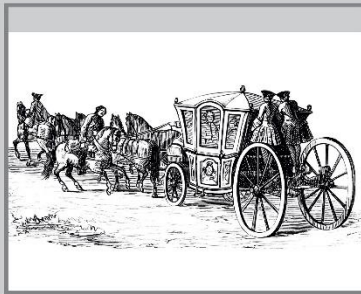


evolution of mail transport



stagecoach

1845
5 weeks



airplane

1955
5 days



email

2015
5 seconds

evolution of gait training & locomotion therapy

h/p/cosmos



walker

1965
15 steps



manual locomotion treadmill therapy

2005
50 - 100 steps



robowalk: locomotor training & active gait correction

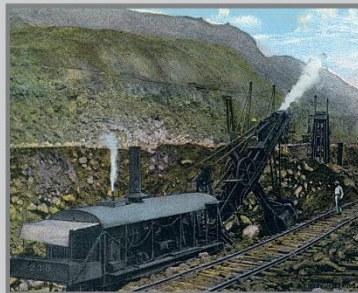
2015
500 - 2000 steps

evolution of digging



spade

850
50 years



steam excavator

1850
5 years



hydraulic excavator

2015
5 months

In neurologic and orthopaedic rehabilitation exercise and gait training at an early stage and with appropriate intensity are of paramount importance. Therefore h/p/cosmos® has been working continuously on developments of innovations for treadmills since 1988, aiming to support both, patients and therapists during, body weight supported treadmill training (BWSTT). Main goals are re-development of motor control and improvement of gait pattern which is achieved by providing high numbers of repetitions and correction of movement execution to facilitate neuroplasticity.

robowalk® gait trainer featuring **concentric, eccentric and lateral forces** and also airwalk® unweighting systems are helpful tools on the h/p/cosmos® treadmills. Instrumentations with biomechanics feedback are also available via gaitway® 3d, Zebris® or Optogait® versions. Similar to progress in the evolution of mail transport or in construction projects for digging where massive easing of the burden to humans and time savings have been achieved, also in locomotor therapy, gait training and in gait correction revolutionary progress has been made with the help of robowalk® and airwalk® systems.



readable scales for forces



traction support shank



cross-over traction support



traction resistance thigh



traction resistance shank



side traction support