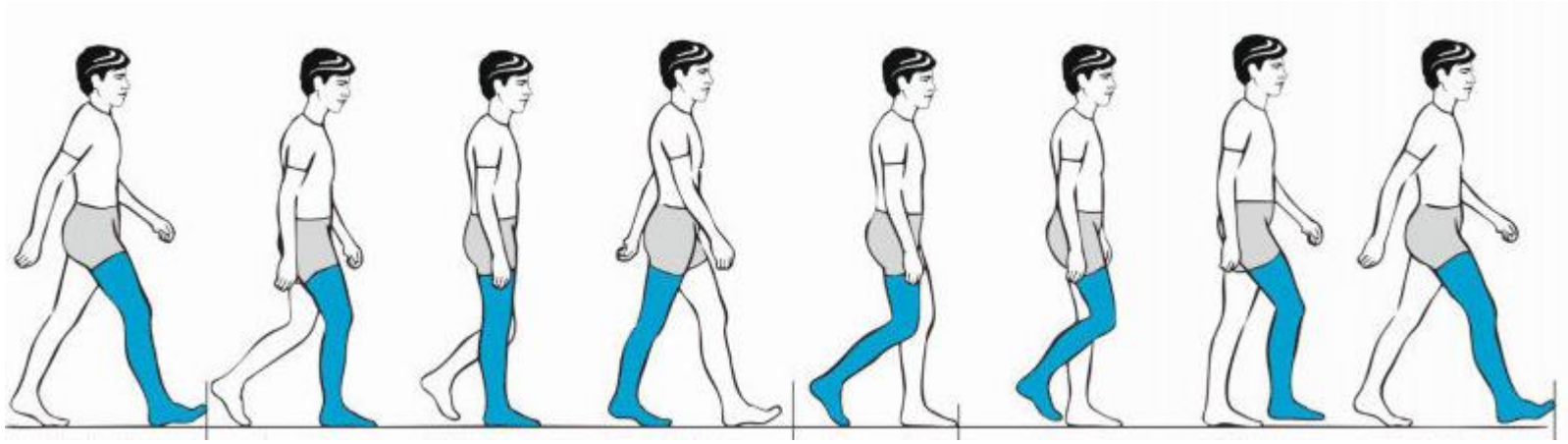
MOVEsole®

StepLab

HOW DO WE WALK AND MOVE?

HUMAN GAIT IS PERSONAL AND COMPLEX



HUMAN GAIT AND MOTION CAN BE MEASURED
AND USE THE MEASUREMENT RESULTS FOR ANALYSIS IN
PREVENTION AND REHABILITATION

PREVENTION AND REHABILITATION IN GAIT IS NEEDED WORLDWIDE

LOWER LIMB: INJURIES & MALFUNCTION

Annually in Europe over
1 million leg injuries
2 million hip and knee replacements

DIABETIC FOOT ULCERS

Globally in 2040,
640 million diabetics

Annually in Europe,
500 000 foot ulcer related amputations

ATHLETE & FITNESS/EXERCISE

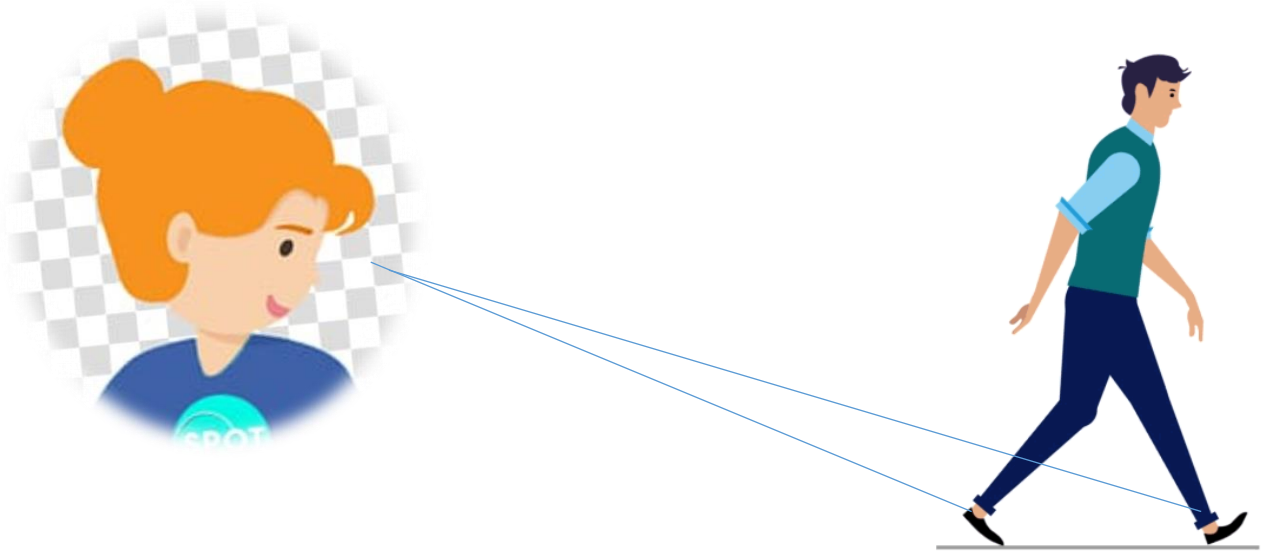
Rapidly increasing numbers in:
Running schools
Personal trainers
Marathon runners

ELDERLY PEOPLE & MEMORY-IMPAIRED PEOPLE

Globally by 2050,
1,6 billion people aged 65 years and older

Globally in 2020,
Around **60 million** people have dementia

OBJECTIVE DATA IS THE KEY FOR GAIT AND MOTION ANALYSIS



For analysis, data and measurement results are crucial to indicate, what actually happens under a foot during gait and motion.
There is no need to trust only on visual examination anymore in prevention or rehabilitation.

PRESENT MEASUREMENT DEVICES

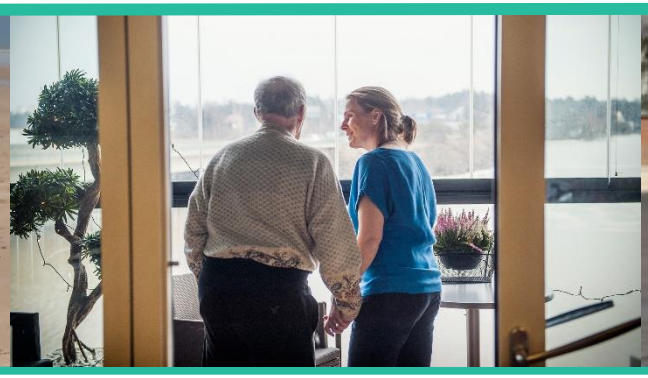
LABORATORIES

- Very expensive methods and devices
- Measuring only in a laboratory
- Measuring only a few steps
- Measuring only ‘you are analyzing me’ -steps

CLINICS

- Static measurement method
- Measuring only a standing position
- Barefoot measurements only






NEED FOR

A GENUILY MOBILE

GAIT AND MOTION MEASUREMENT DEVICE

TO BE USED IN INDIVIDUALS' EVERYDAY LIFE SETTINGS

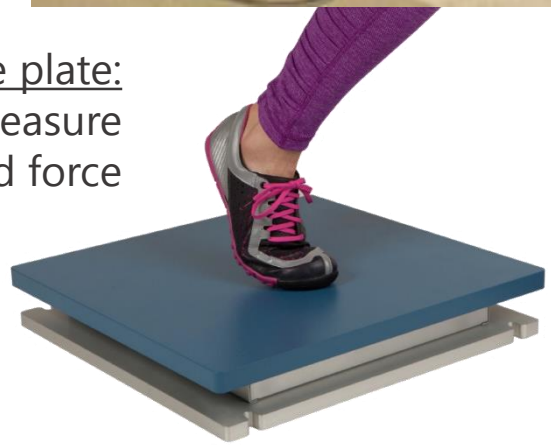



MOVESOLE STEPLAB:

COMBINATION OF HIGH-END LABORATORY TOOLS

Pressure mat:
A method to measure pressure distribution in a clinic

Force plate:
An installed tool to measure total ground force



LABORATORY LEVEL MEASUREMENTS
within individuals' normal environment:

MOBILE AND INTEGRATED SOLUTION
for
total ground force and pressure distribution measurement

MOBILE MEASUREMENTS IN DIFFERENT CASES

MOVESOLE STEPLAB

LOWER LIMB MALFUNCTION & INJURIES

Gait measuring for lower limb malfunction analysis and motivation for the rehabilitation process.

SPORT & EXERCISE

Motion measuring during exercise for prevention and finalizing the optimal technique.

OCCUPATIONAL HEALTH

Measuring during a workday for analyzing lower limb strain.

DIABETIC FOOT ULCERS

Offloading weight from the infected area for faster healing.

ACTIVE AGING

Analyzing influence of performed activites among aging population.

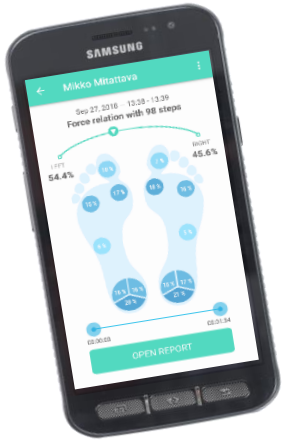
MOVESOLE STEPLAB:

MOBILE GAIT AND MOTION MEASUREMENT DEVICE

FAST & EASY

MoveSole Smart Insole measures underfoot forces and pressure distribution during gait and motion.

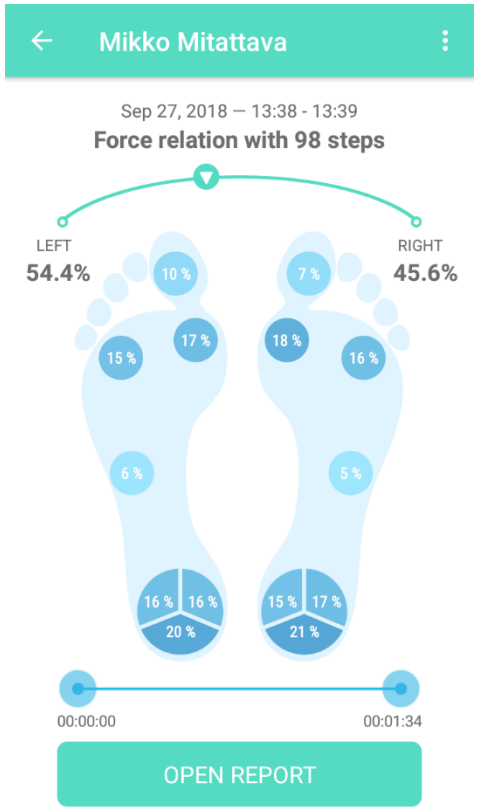
MoveSole Smart Device receives the measurement data wirelessly...



... and generates a visual report to support gait and motion analysis.

MOVESOLE STEPLAB

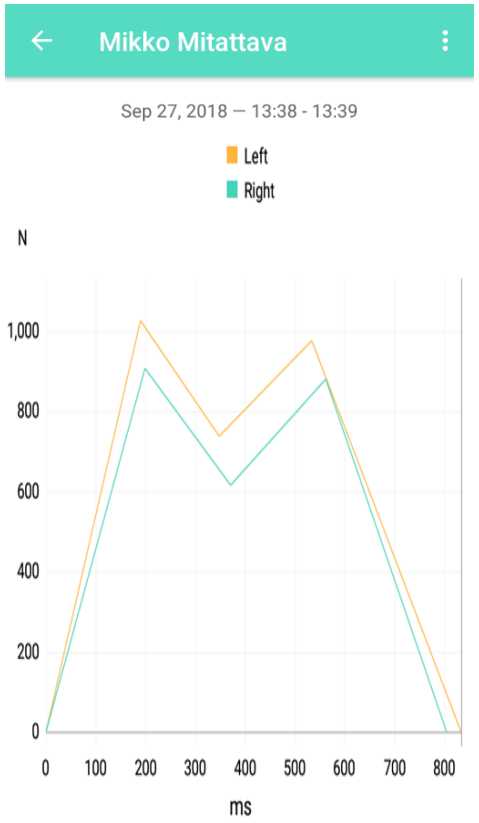
VISUAL REPORT ON SMART DEVICE



MoveSole Smart Device visualizes the results for quick analysis including:

- Gait and motion symmetry
- Power distribution per each sensor
- Loading response, midstance and terminal stance in the force curve

And other detailed information for more profound analysis.



Measurement results can be transferred into a laptop for further analysis.

GAIT TRAINING WITH MOVESOLE STEPLAB

BIOFEEDBACK IN GAIT TRAINING

Objective data on gait allows to view the timing and pressure distribution and provide biofeedback while on move.

Biofeedback on the gait performance can concern on *any of the sensors* or the *total ground force of the left and/or right foot.*

Biofeedback alert is triggered when the force threshold has been reached and can be played by sound or vibration of MoveSole Smart Device.

MOVESOLE STEPLAB

PACKAGE INCLUDES:

- MoveSole Smart Insole

  6 pairs of insoles (sizes 36, 38, 40, 42, 44, 46)
- MoveSole Smart Device

Accessories:

- USB-charger and -cable
- Coin cell battery, total 12 pieces
- Ankle band, total 12 pieces
- Screwdriver
- User manual

MOVESOLE STEPLAB: PRODUCT FEATURES

TECHNOLOGICAL INNOVATION

- Sensor technology implemented in a new way
- Unique sensor technology combined with printed intelligence production methods

MECHANICAL AND PHYSICAL DURABILITY

- Extensive process for choosing and accepting the final materials
- Endurance of the sensor material

PRECISE MEASUREMENT RESULTS

- Tailored testing devices verified by an external actor
- Each Smart Insole calibrated before a delivery

MoveSole devices supported by a warranty:
12 months or
500 000 steps / pair of insoles

FURTHER INFORMATION

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