

SKINFINITY



Institute for Engineering Leadership
Faculty of Engineering

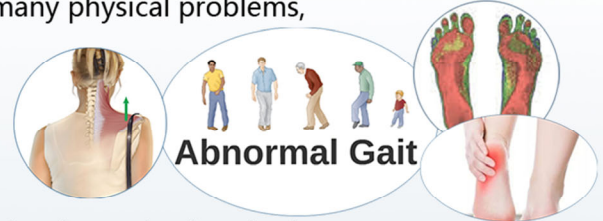


CARE FOR YOUR STEPS
ANYTIME, ANYWHERE!

Skinfinity team's smart insole "Esole" uses tactile sensor and wireless transmission to detect gait abnormalities in real time to monitor and prevent abnormal gait.

PROBLEM

- Every 6 in 10 teenagers have gait problems, which can cause many physical problems, such as uneven shoulders, flatfoot, and even scoliosis
- It's hard to realize this kind of problems on early stage
- The best treatment time is the teenager stage



Problem:

People can't realize their **gait abnormalities** until they feel **pain** and **miss** the best treatment time

BEACH HEAD MARKET

WHO Teenagers from 6 to 25 years old
Parents who care about their children

WHERE Asian Expand from **Singapore**
The most potential market **China**

HOW Hook is the worries from parents about their children's growth

SOLUTION

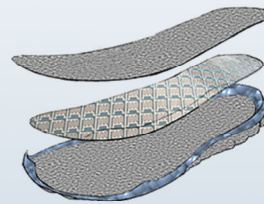


- Personalized gait **report**
- Real time **feedback**
- Gait parameters **analysis**

Parameters	Measured Value	Normal Value
Weight (kg)	63.6	
Step count	4200	
Stride length (cm)	63	50-80
Stride width (cm)	8.2	8±3.5
Stride frequency (steps/min)	110	112±9
Foot angle (°)	7.6	6.75±0.5
Speed (m/min)	75	65-95
Walk cycle (s)	1.05	1-1.32

- **Expert** analysis

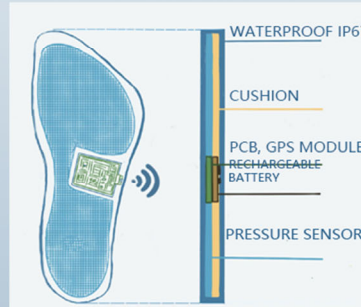
PRODUCT



Esole

- Tactile sensor to **monitor**
- Wireless **feedback**
- Gait abnormalities **analysis**
- Anytime, Anywhere

TECHNOLOGY



- Thin as **human skin**:0.3-0.6mm
- **Realtime** feedback
- **Wireless** data transmission
- Waterproof IP67
- Rechargeable
- CORE TECH:**
- **High density** touch sensing with **lower cost**

PATENT: PCT/SG2016/050307
PCT/SG2016/000258

COMPETITORS



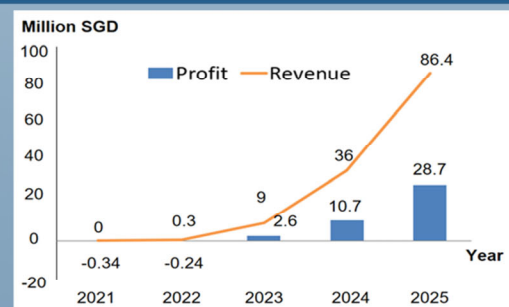
MARKET SIZE

TAM	Total Available Market Asian teenagers (6 - 24 years old)	210B
SAM	Serviceable Available Market Teenagers in SG and CHN	7B
SOM	Serviceable Obtainable Market (5.5% of SAM) Targeting users requiring gait analysis	400M

GO TO MARKET STRATEGY



FINANCIALS



CONTACT

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