SHG Technologies Pvt. Ltd

Company, Mission and Team

We are a Bangalore based company focusing on Healthcare devices using AI, ML, Machine Vision and Augmented Reality

Our mission is to make the 36 million blind population's dream of "seeing" this world come true with the Smart Vision. The Smart Vision is an innovative assistive wearable device for the blind. There are 18 million blind and 65 million partially visually impaired in India alone, including 1.6 million children currently attending blind schools.

The founders Ramu Muthangi and Capt. DJ Raju have + 25 yrs of Technical Management experience. Ramu Muthangi worked at Honeywell and Polycom, USA and Capt. Raju worked in Indian Navy, Bharat Electronics and Tech Mahindra.

SHG

Transparency Market Research Pvt.Ltd

THE WORLD
POPULATION
7.3 BILLION

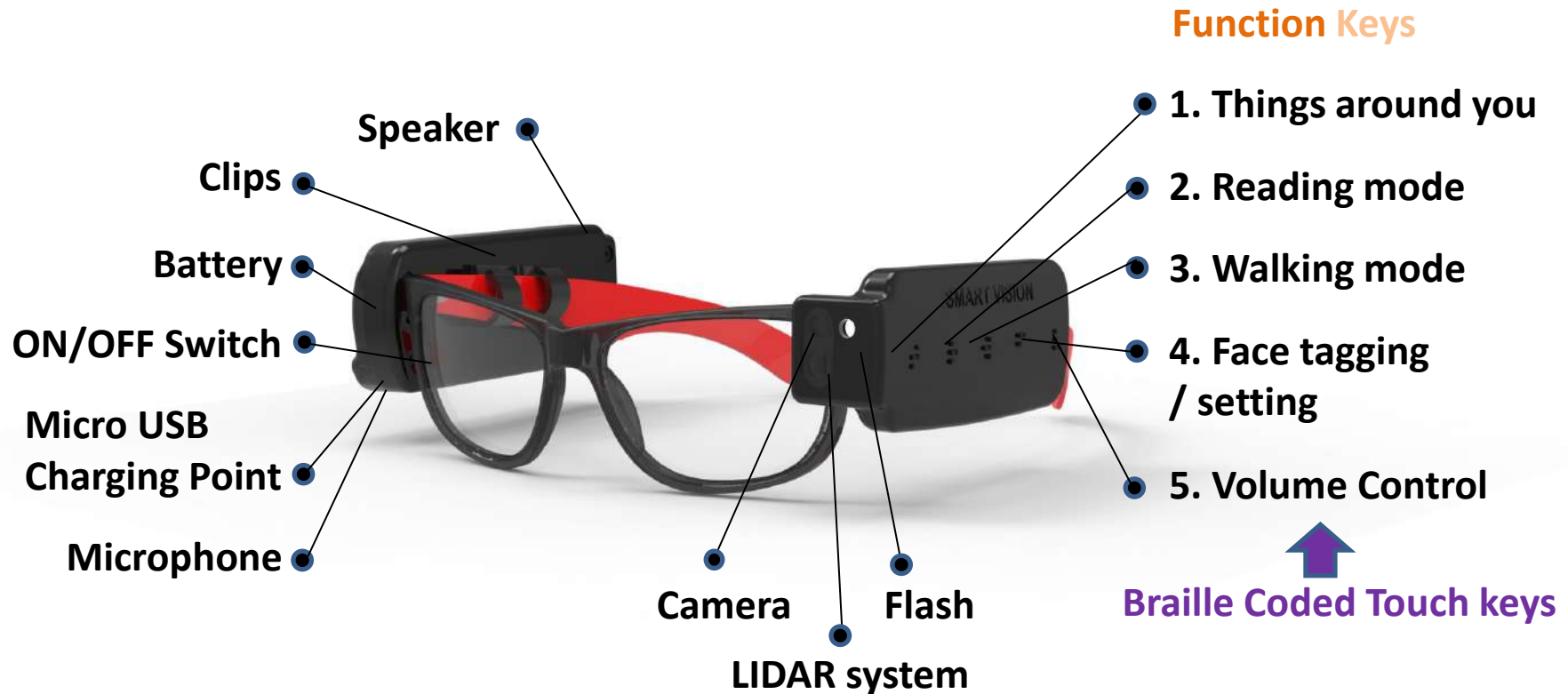**36** MILLION PEOPLE ARE BLIND **+** **217** MILLION PEOPLE ARE MSVI **=** **253** MILLION PEOPLE ARE VISUALLY IMPAIRED

- Opportunity: Giving a helping hand to someone in the dark. ...

The Solution

Function Keys

1. Things around you

2. Reading mode

3. Walking mode

4. Face tagging / setting

5. Volume Control

Speaker

Clips

Battery

ON/OFF Switch

Micro USB Charging Point

Microphone

Camera

Flash

LIDAR system

Braille Coded Touch keys

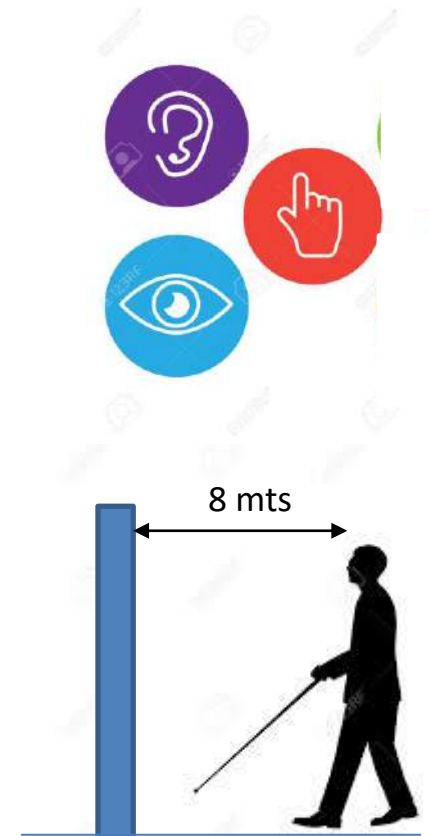## SMART VISION GLASSES – Functional Components

Market & Growth

Source: Verified Market Research

Unique Value Proposition

- Sensors at natural locations for better sensory perception, a wearable device
- Obstacle detection and distance measurement
- Support of Indian regional languages, Hindi, Kannada, Tamil, Telugu, Malayalam, Marathi, Gujarati and Urdu and many foreign languages
- Affordable
- Edge centric intelligence (works without Internet)

8 mts

Scalable Business Model

SHG

TARGETING

- Ophthalmologists
- Rotary clubs & Lions Club
- Blind Organizations through NGOs
- Government, Social Welfare Dept of States
- Blind Schools

WHERE

- PAN INDIA FIRST:

Fast and growing at **20% CAGR** & expected to grow at **40% CAGR** till 2025.

- US, APAC, UAE

Go To Market Strategy

Channel Partners

SAI TAI MEDICAL SURGICALS

Retail Partners

Direct Sales

Competitive Analysis

The only other product available is Or CAM, Israel

	SMART VISION	Or CAM
Looks		
Object Detection	✓	✓
Character Recognition	✓	✓
Indian languages	✓	✗
Total languages	50	30
Currency recognition	✓	✓
Obstacle detection	✓	✗
Battery	> 8 hrs	1.5 hrs
Price	<$500	$3500

Current Status, Accomplishments, Funds, Timelines

Current Status

- Prototype tested at 12 Blind schools   Mar   2020
- User Trials at Aravind Eye Hospitals   Nov   2020
- User Trials at LV Prasad Eye Institute   Mar   2021
- Limited Production starts   Aug   2021

Funds

- The project is self-funded by the founders

Accomplishments

- Best social enterprise award   Action For India 2019

Planned Distribution of Investment of INR 100 L

Infrastructure
8.30%

Others(Admin,HR,Legal)
5.30%

Marketing and
sales
36.00%

Operations and
Technical support
28.00%

Product and
Technology
Development
22.40%