

Soluções Médicas Inteligentes (SMI)

Fast. Intelligent. Reliable.

AI-Enabled Breast Health Screening

**Supporting earlier detection through
advanced thermal imaging and AI-driven
analysis.**

Core Positioning

AI Breast Screening **Solution** — Not a Device

SMI is not positioned as a medical screening device or standalone test. It is a **comprehensive breast screening solution** designed to improve early risk detection through a patient-centered, painless, radiation-free, and accessible approach.

The solution focuses on:

Delivering a patient-first screening experience



Enabling early prevention through timely risk identification



Ensuring speed and accessibility across environments



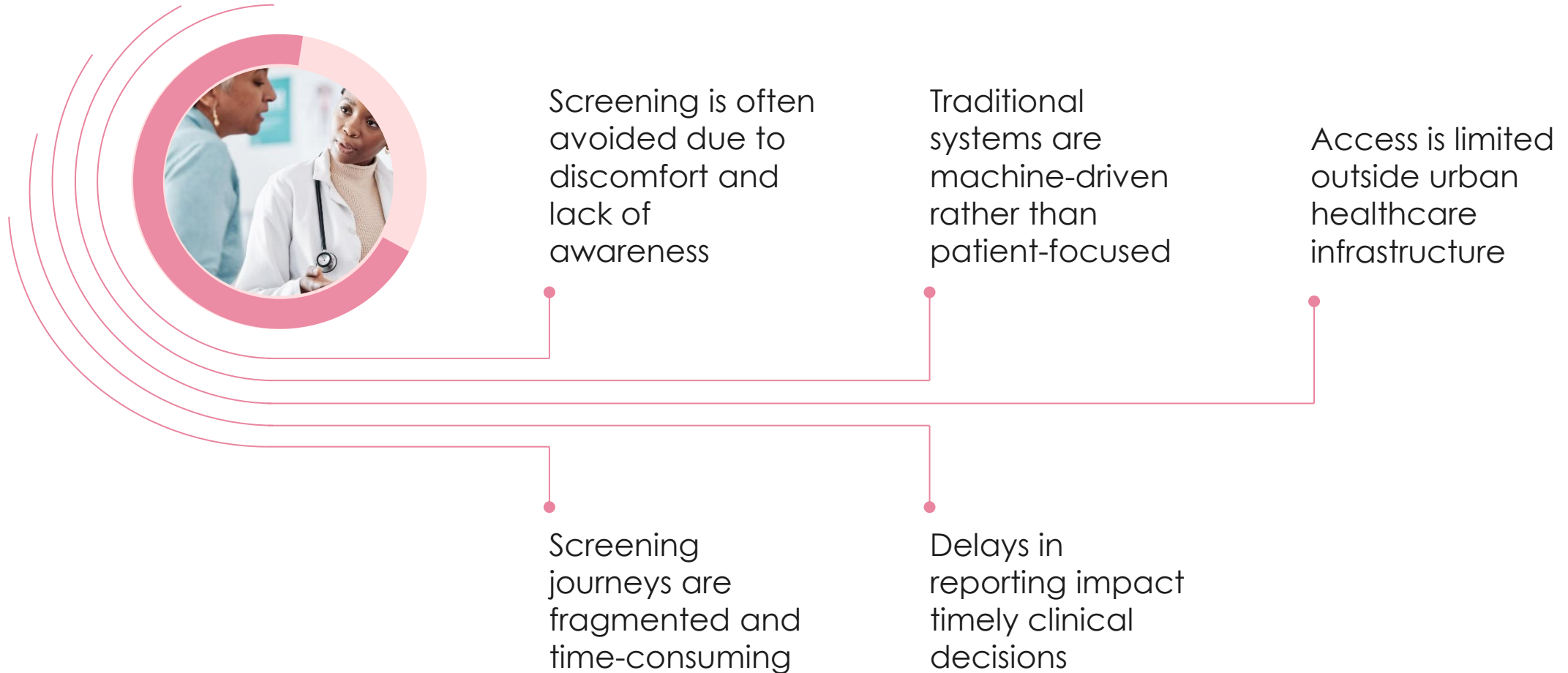
Providing end-to-end support from awareness to follow-up



SMI is positioned as a **solution** platform, not a test

The Need

Why a New Approach is Required



The gap lies in **patient comfort, accessibility, and support.**

Vision & Approach

Prevention-Focused. Patient-Oriented.

Vision

To improve women's health through fast, affordable, and accessible early risk prevention.

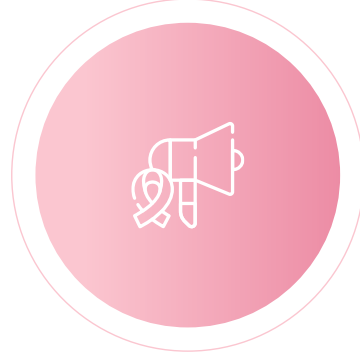
SMI is built on:

- o Patient-oriented approach
- o Prevention-focused model
- o Comprehensive service delivery
- o Accessible and scalable deployment
- o Fast, soft, friendly, reliable experience

Our 4-Tier Solution

A Complete Breast Health Journey

SMI integrates four key components into one continuous service:



1. Social Awareness

2. Screening Experience



3. Results & Insights

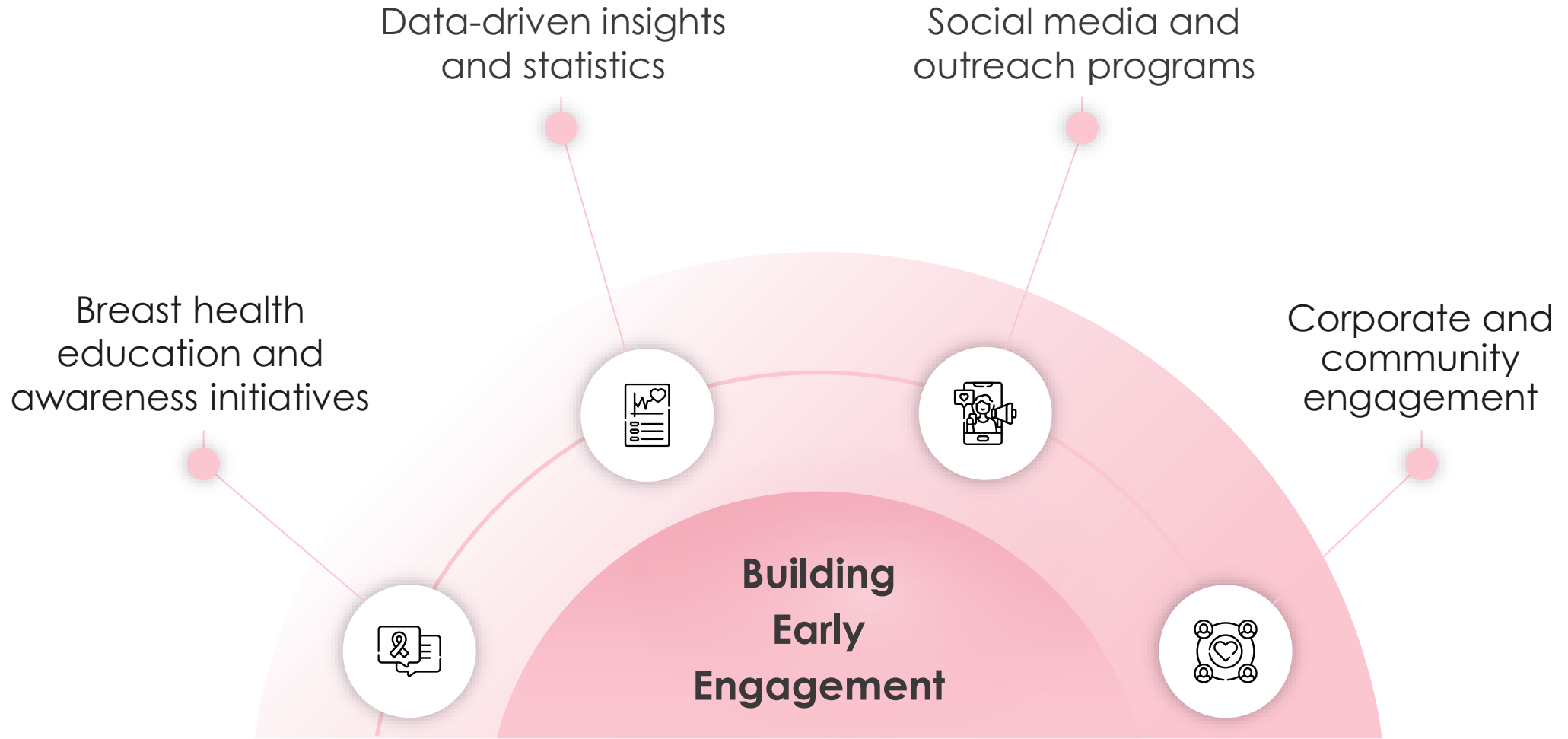
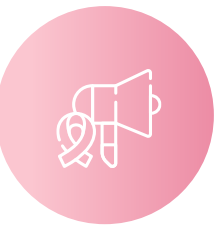
4. Follow-Up & Support



Designed as a connected journey, not isolated steps

1. Awareness

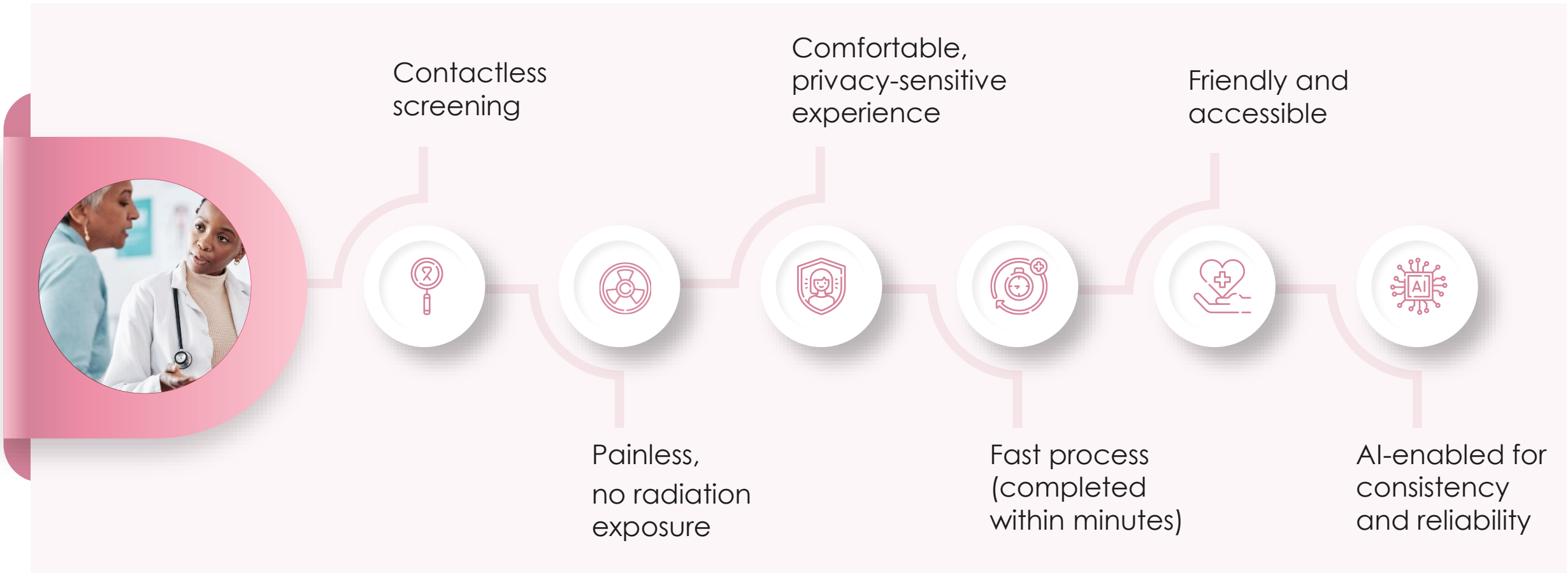
Building Early Engagement



Patient-centered, painless, radiation-free, accessible approach.

2. Screening Experience

Designed Around the Patient



A **patient-centered** screening experience

3. Results & Insights

Immediate and Actionable Outputs



Enables timely reporting and faster clinical support

4. Follow-Up & Support

Guidance Without Restriction



Patients retain full freedom in choosing next steps

Guidance and support always available



No forced diagnostic pathways

Referral support when required

Supporting informed decisions without pressure

What It Is?

AI-powered breast health screening that detects early signs of abnormalities through advanced thermal imaging and temperature pattern analysis.

Our device enables:

Early risk detection



Safe and painless, radiation-free screening



Portable and scalable screening programs



Faster clinical decision support



Our solution is designed to **expand screening access** to patients across hospitals, diagnostic centers, corporate wellness programs, and community health initiatives.

How It Works:

A Simple, Intelligent Screening Process



1

Thermal scan captures high-resolution temperature patterns across the chest.

2

Images are securely uploaded to the SMI AI platform.

3

Machine learning algorithms analyze thousands of temperature data points to identify abnormal patterns.

4

The system generates a structured breast health report with a risk assessment score.

5

Doctors review the results and recommend further diagnostic tests if required.



The entire process is designed to be **fast, simple, and comfortable.**

AI Intelligence

Advanced AI-Driven Analysis

We make use of machine learning models trained on large datasets of thermal imaging data.

The AI technology helps detect:



Abnormal vascular
patterns



Asymmetrical thermal
signatures



Subtle physiological changes
associated with breast
abnormalities

By analyzing thousands of temperature data points per scan, SMI delivers **objective, consistent risk insights**, supporting doctors with data-driven screening.

Key Advantages

Faster Screening. Earlier Action.

10-Minute Screening vs Traditional Screening

Our solution completes the screening process in **approximately 10 minutes**, allowing results to be shared with doctors almost immediately. Traditional screening methods such as mammography often require multiple appointments and follow-ups that can take time.

Hassle Free

Painless, no radiation and no physical contact required.

Portable

Can be deployed in hospitals, clinics, and screening camps.



Privacy-Sensitive

Comfortable and respectful screening experience.

Accessible

Expands screening programs to underserved regions.

Deployment Coverage

Accessible and Scalable by Design

SMI is designed to operate across:



Hospitals and
diagnostic
centers



Corporate
wellness
programs



Community
screening
initiatives



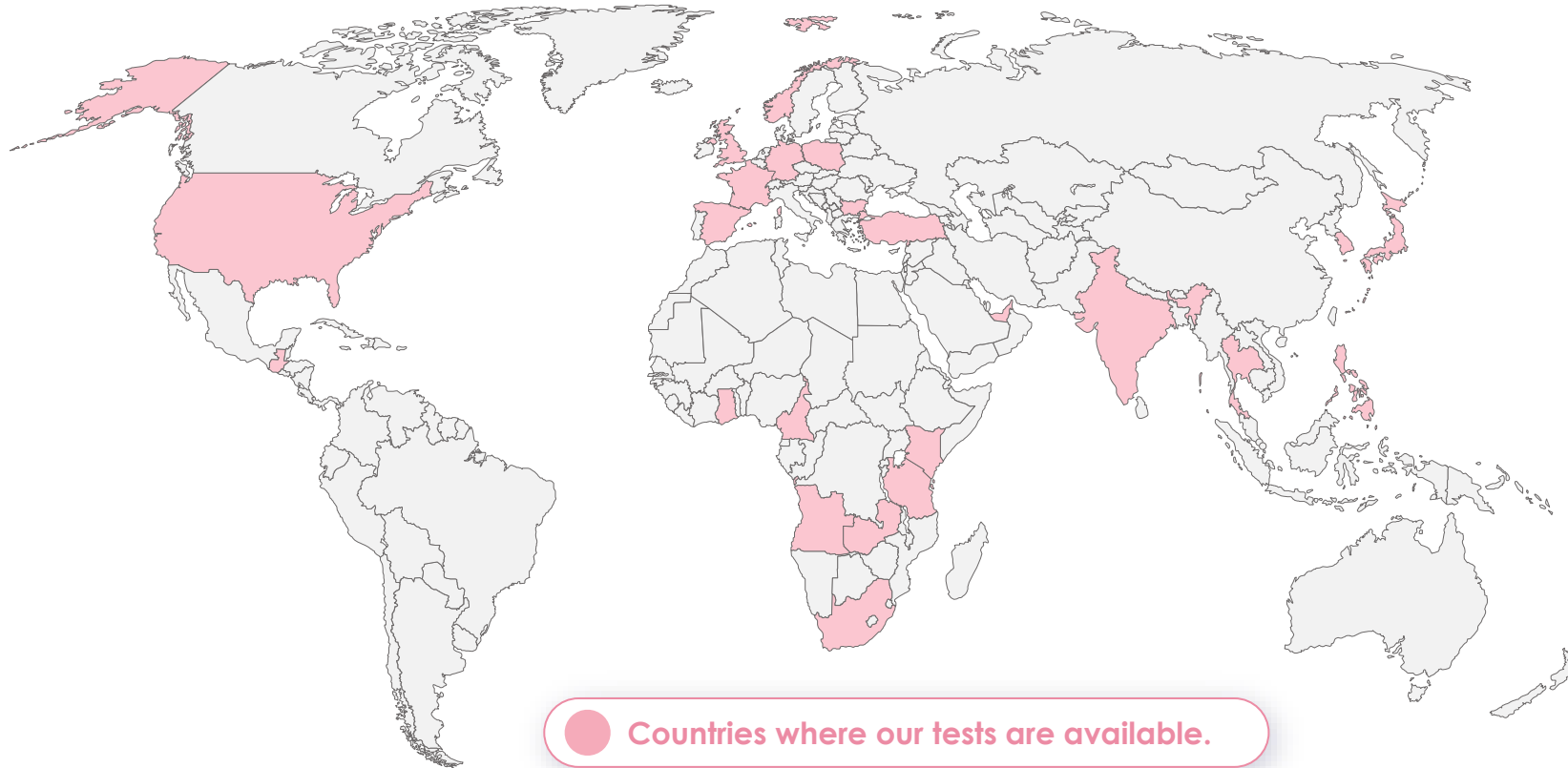
Rural and
underserved
regions

Expands screening reach beyond traditional infrastructure

Global Presence

Expanding International Screening Programs

SMI technology is currently deployed across 22 countries through hospital partnerships, screening programs, and wellness initiatives.



Global Recognitions

Recognitions so far



Top 20 Asian Startup for Medtech Innovator Program



Rising Star by StartUs Insights
Niramai is in the top 1% of innovative startups globally



She Sparks Innovation Award



Entrepreneurship Challenge Award
Runner up general category



Innovation in Disease Diagnosis Award



Winner of World Bank Award
Winner of the Global Women Health Award 2022 by World Bank and IFC



Winner of Commonwealth Award
Winner of Common wealth Digital Health Award in 2022



Top 10 Medical Devices
Selected for UMASS M2D2 Program 2022



In Top 100
Only Indian Startup In Top 100 AI Startups in the World



European Clearance
Niramai received CE Marking clearance for European Market



Winner Hack Osaka!
Niramai secured Gold Prize in International Startup Contest



Pride of India
Selected for Marico Innovation Foundation Scale-Up program and tagged as Pride of India



Selected for nVIDIA Inception
NIRAMAI is part of the nVIDIA inception Startup program



Accenture AI Award
Winners of Accenture Applied Intelligence AI Award 2019



National Startup Award
Winner of National Startup Award 2020 in Healthcare Diagnostics



AEGIS GRAHAM BELL AWARD 2018
Niramai was awarded Aegis Graham Bell Award 2018 under Innovative Mobile App for Consumer



Amazon AI Conclave
Winner of Amazon AI Conclave 2017 Award in Health Care



Google Launchpad
Niramai is among 4 startups from India that got selected for Google Launchpad Accelerator Program 2018



AEGIS GRAHAM BELL AWARD 2017
Niramai was awarded Aegis Graham Bell Award 2017 under Data Science



call4Winner
Niramai won the international contest Open-F@b promoted by BNP Paribas Cardif

Quality Standards

Built on Strong Clinical and Technology Foundations

SMI technology is supported by internationally recognized quality standards.



Also known as BreastHealth-100



Intellectual Property

Built on Strong Clinical and Technology Foundations

SMI technology is supported by strong intellectual property development.

Intellectual Property

The core technology is supported by multiple patented innovations in Canada, Singapore, Japan, Europe and China

39

Granted
Patents

15

US
Patents

14

Indian Patents

2

Japan Patents

2

Singapore
Patents

2

European
Patents

2

Chinese
Patents

2

Canadian
Patents

Operational & Financial Benefits

A Flexible and Scalable Screening Solution



Short term
payback



Affordable set
up and space
needs



Portable



Recurring
income



Variable income

- Per scan
- Per hardware sale



Easy to:

- Install
- Operate
- Maintain

Global Impact

Proven at scale across markets

A SMI demonstrou impacto real através de programas de rastreio do cancro da mama em larga escala em diversas regiões, apoiando profissionais de saúde e sistemas públicos com soluções fiáveis e escaláveis.



500K

**Women
Screened**

22

Countries

78+

Patents

55+

Publications

Thank you

*Providing end-to-end support from
awareness to follow-up*



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