Caldor
Health Technologies

A deep-tech healthcare startup on a mission to make people breathe better!

॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

Do you know what potentially causes all these sufferings?



Sleep Apnea



Fatigue / Reduced Productivity



Head ache / Facial Pains



Chronic Sinus



Blocked Nose

Indian Demographic

Do you know what potentially causes all these sufferings?

Deviated Nasal Septum (DNS)



Sleep Apnea



Fatigue / Reduced Productivity



Head ache / Facial Pains



Chronic Sinus



Blocked Nose

Indian Demographic

Do you know what potentially causes all these sufferings?

Deviated Nasal Septum (DNS)



Sleep Apnea

34 Million



Fatigue / Reduced Productivity

193 Million



Head ache / Facial Pains

198 Million



Chronic Sinus

134 Million

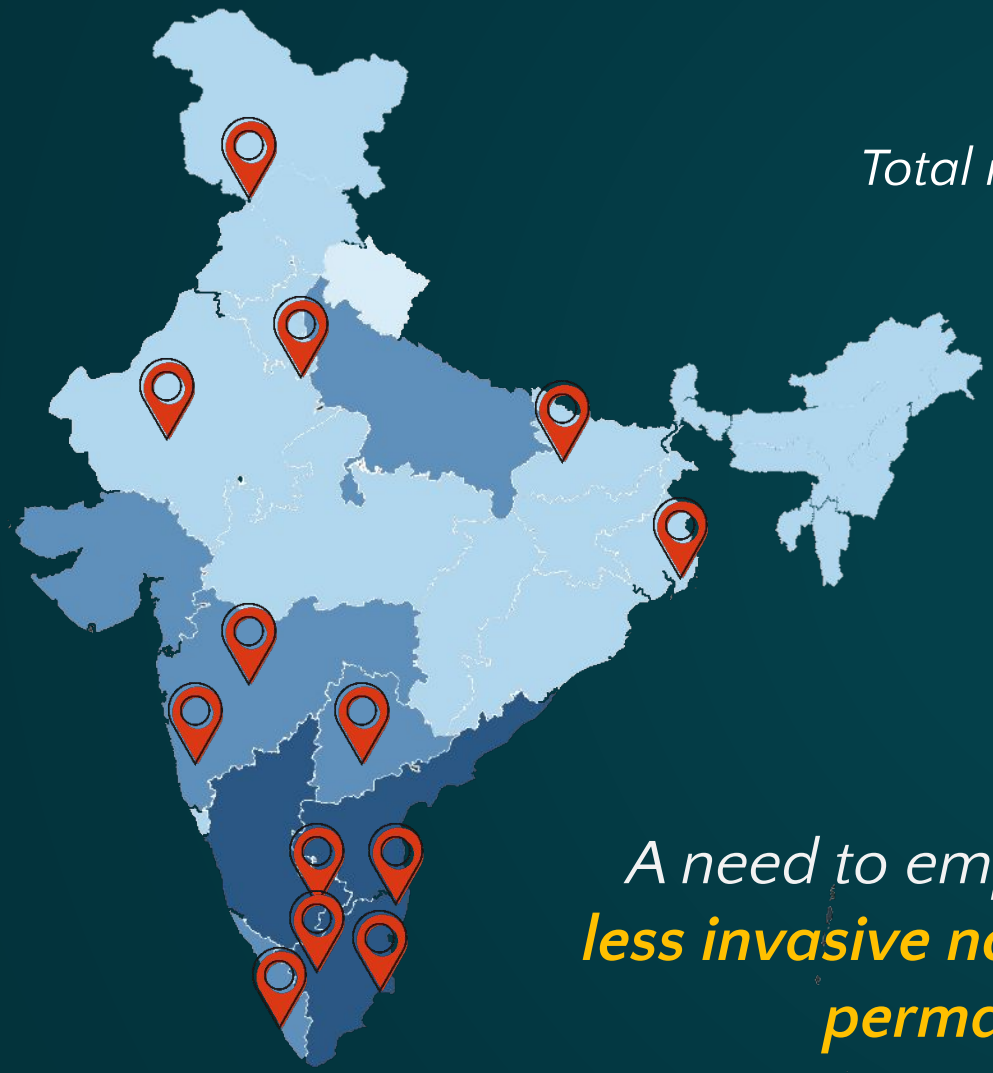


Blocked Nose

173 Million

Indian Demographic

We heard straight from the Stakeholders!

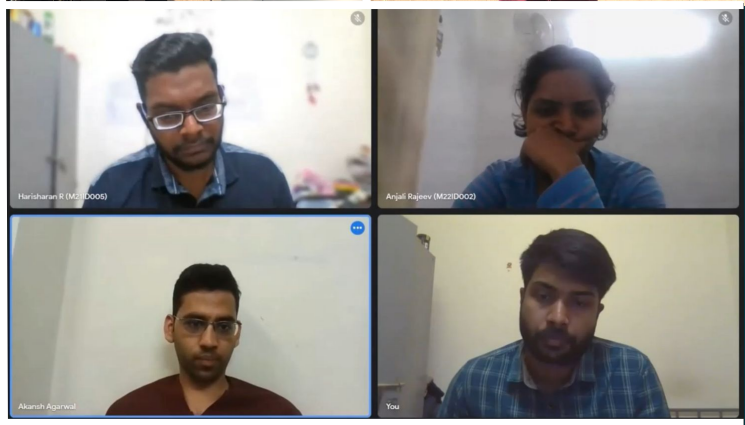


Total number of Interviews – **55**

A need to empower ENT Doctors with
less invasive non – surgical procedure to permanently treat DNS









Swasam – The solution for DNS!



Control system

Balloon based correction device

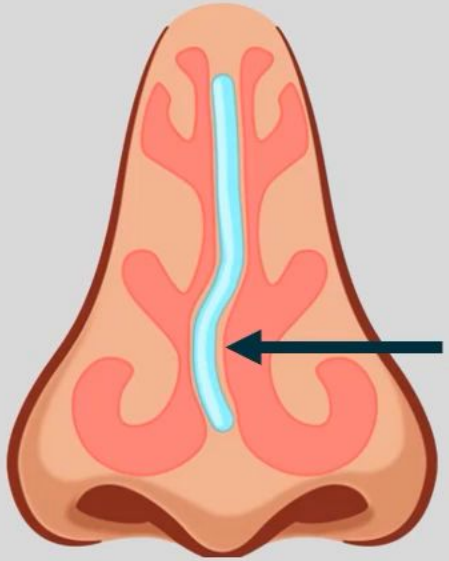
Adjustable module

Certifications ISO 13485, ISO 14971 and IEC 60601-1 will be obtained for establishing safety and quality of the product.



Swasam Process !

- *Endoscopic Examination*
- *Apply Local Anesthesia*
- *Insert the balloon unit 1*
- *Inflate to correct the septum*
- *Insert the balloon unit 2*
- *Apply the configured EMR*
- *Deflate and retract the balloon unit*



Deviated Nasal Septum

Swasam – The solution for DNS!



Value we offer

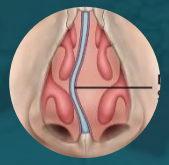
Doctors	*Patients*
Non-Surgical treatment	*A Long-term relief*
Clinic-based Procedure	*Painless procedure and recovery*
Enables to treat more patients	*Resume their day to day activities post procedure*

There is a huge technological upside!

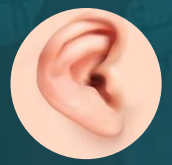
Market Potential of underlying technology is large!

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Septoplasty
2,60,000



Ear Reshaping
23,000



Knee cartilage grafting
3,00,000

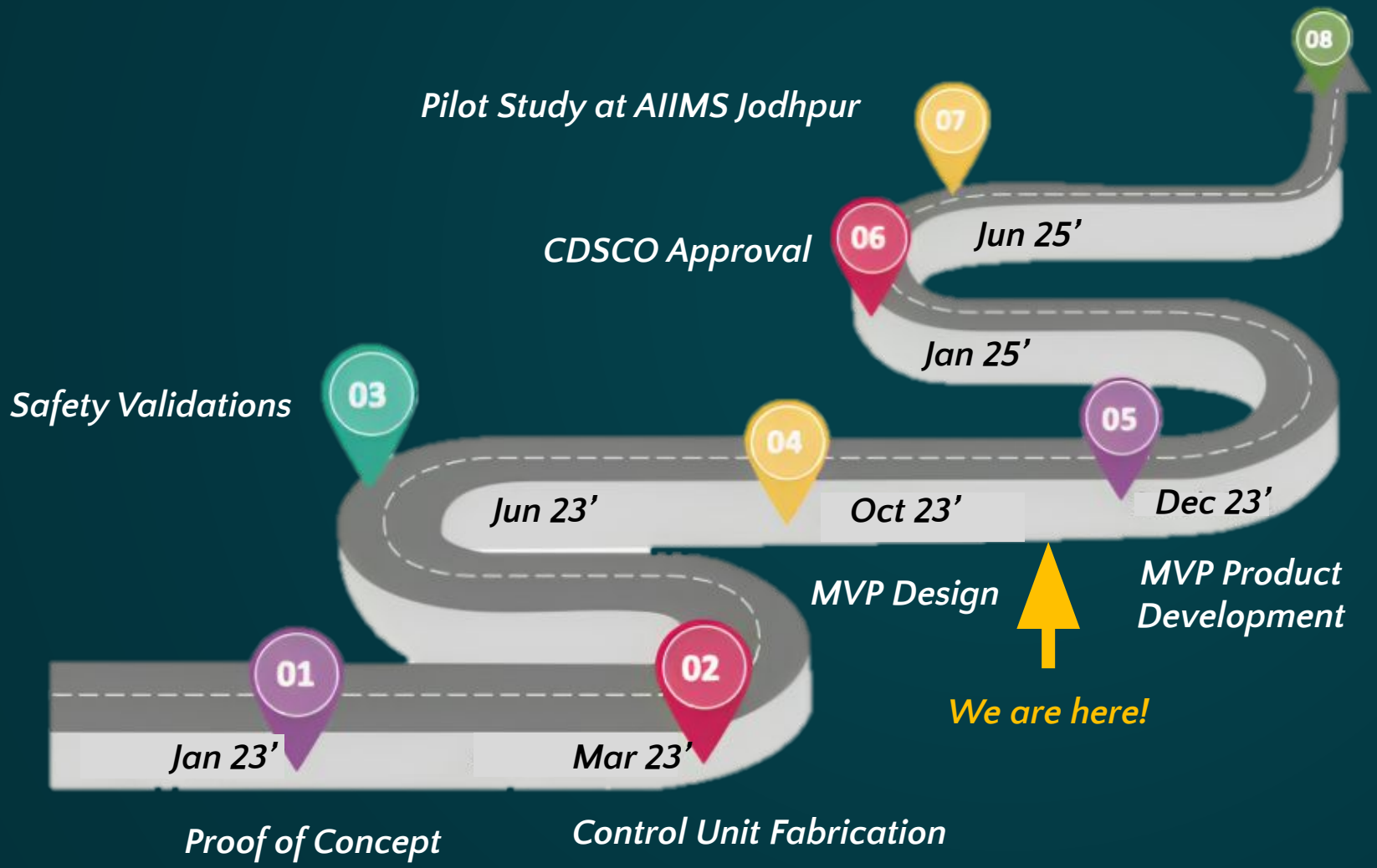
Voice box Reshaping
9,000

Cartilage graft reshaping
1,44,000

*Over **1.8 Million** Cosmetic and ~~reconstructive~~ procedures involving cartilage in USA every year.*

USA Demographic

Our Product Development and Regulatory Timeline



Regulatory Strategy

*We are partnering with **RIFC Venture Centre** to obtain **ISO 13485 and CDSCO Approvals***

*We are partnering with **AIIMS Jodhpur for Human trials.***

Market Commercialization

*Focus on **Hyderabad, Bangalore and Chennai** as early market*

Expansion to Top 7 Metro cities for 20% Market Share.

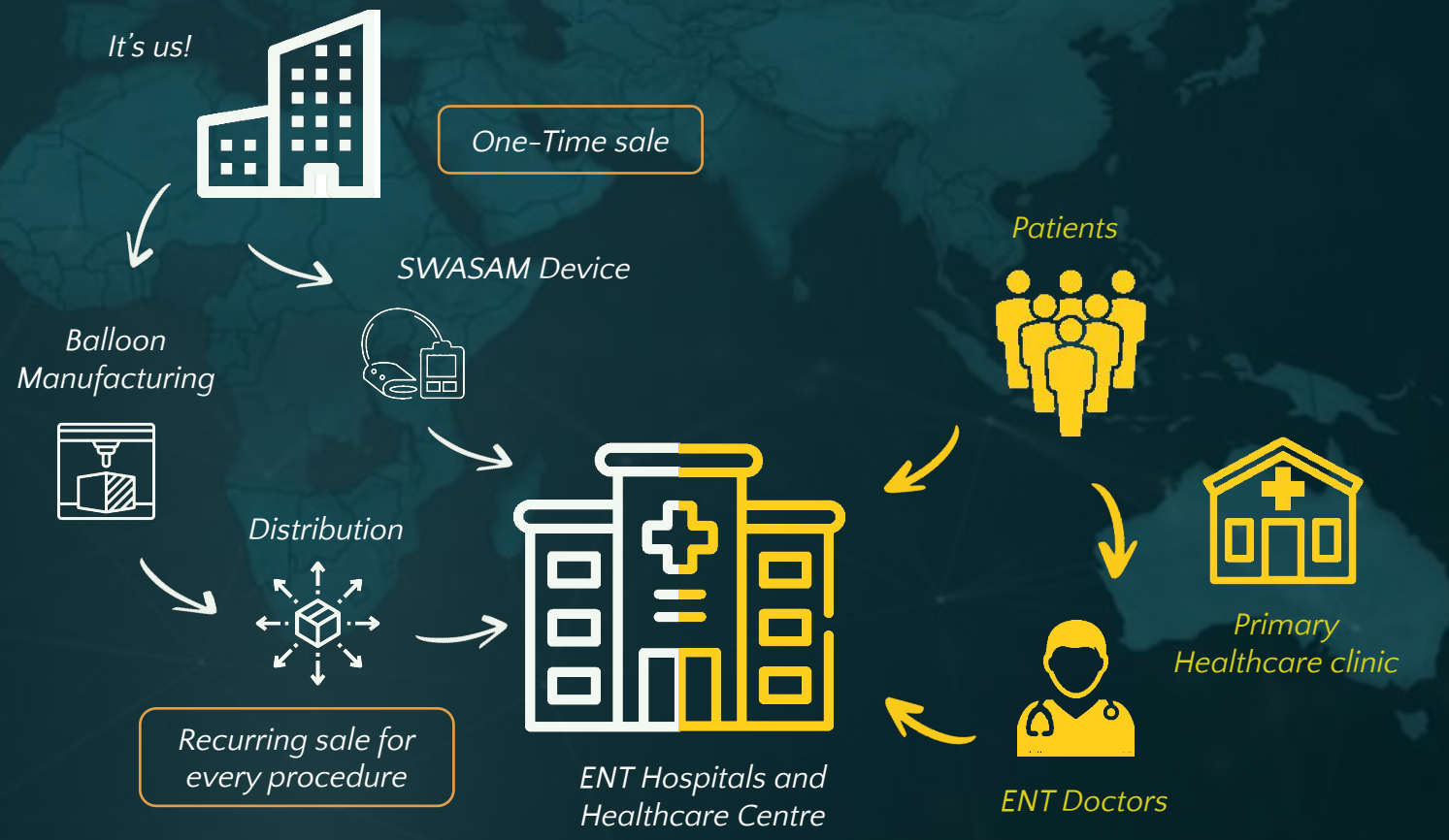
Our Market Validation and Business Model

Demand Driven B2B Business Model Delivering Value for its Stakeholders

$ 12 K — *SWASAM Control unit*

$ 240 — *SWASAM Balloon Unit*

$ 67 K — *Customer Lifetime Value*



Financial Metric in USD

We are solving a Global Market Need

A Scalable Business with powerful Growth Potential

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1 *Billion* — *Total Market Size*

Product Launch



450,000

Global Footprint



216,000

Global Expansion



260,000

Number of septoplasty procedures

Financial Metrics in USD

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Interdisciplinary Team with experience in *Medical Devices, Biotechnology and ENT*



Thilak Chakaravarthi E

Co-Founder & CEO

- ✔ *Fundraised 81K USD early stage Deep Tech funding.*
- ✔ *M.Tech in Medical Technologies from AIIMSJ and IITJ*
- ✔ *B.E in Metallurgical from PSG Tech.*
- ✔ *Experience in Strategy, Fundraising and Medical Device.*



Harisharan R

Co-Founder & CTO

- ✔ *4 (Journals & Conferences) publications*
- ✔ *M.Tech in Medical Technologies from AIIMSJ and IITJ*
- ✔ *B.Tech in Biotechnology from PSG Tech.*
- ✔ *Experience in Non-invasive treatment devices, Sensor fabrication and biological assay.*



Dr Amit Goyal

Pioneer in ENT

- ✔ *Professor & Head of Otorhinolaryngology department in All India Institute of Medical Sciences Jodhpur.*
- ✔ *4 patents and 105 scientific publication in top-tier Medical Journals*
- ✔ *20+ Years of experience in ENT, as a pioneer and Key Opinion Leader.*

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ATAL INCUBATION CENTRE
CENTRE FOR CELLULAR & MOLECULAR BIOLOGY

#startupindia

GDC
STEM TO STARTUP

iit STARTUPS

Key Accomplishments

Caldor
Health Technologies

1
Patent Filed

32
ENT Doctor interaction

USD 46.7 K
Government and Incubator Fund

2
National Level Competitions won

1
Academic Medical Institution Partner

2
Startup Accelerator Programs

Financial Metrics in USD

We are raising our Pre-Seed round of USD 200 K!

On the trajectory of growing 4X in the next 3 years!

What will we accomplish?

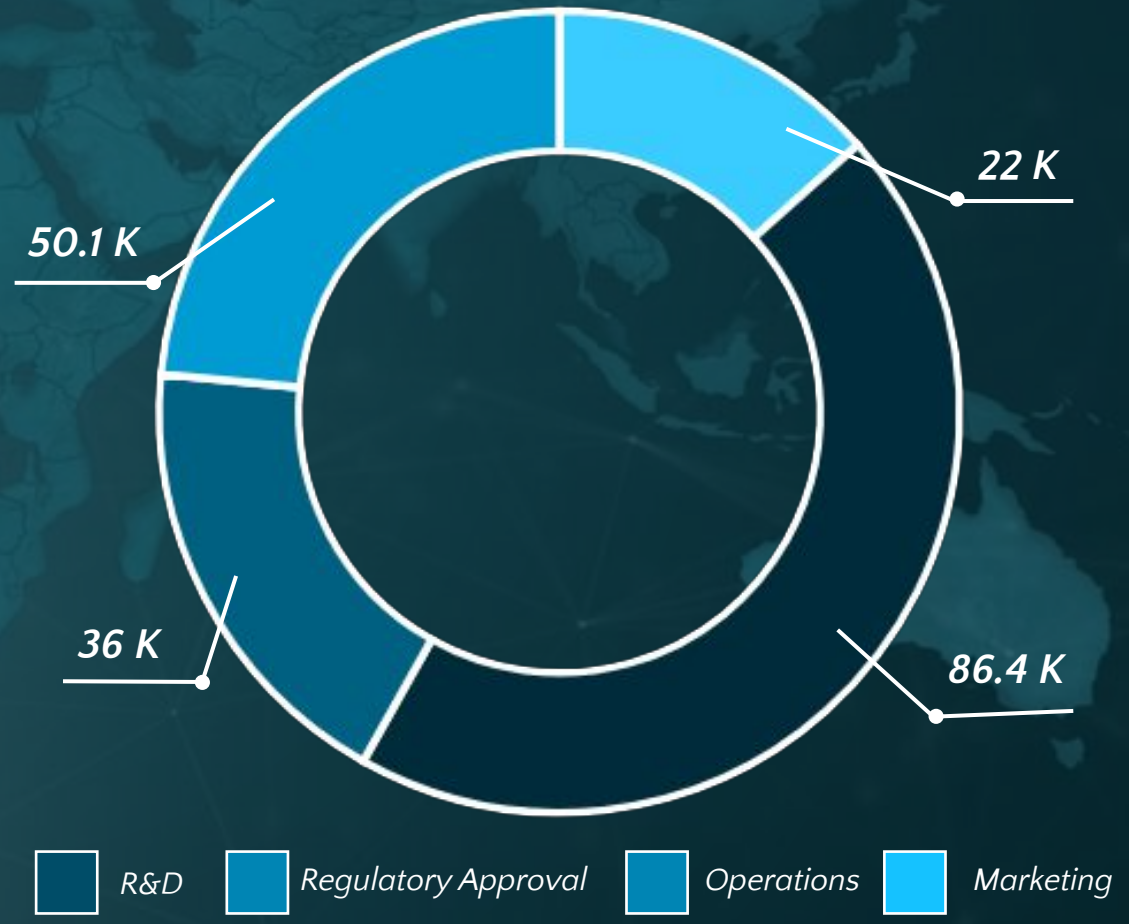
- ☑ *Conduct Pre-Clinical Studies*
- ☑ *Secure regulatory approvals of CDSCO and ISO 13485 Certification*
- ☑ *Strengthen the team with skilled individuals across engineering, design, regulatory, and business*

Incubator Grant of $ 46.7 K raised from

NIDHI PRAYAS

ATAL INCUBATION CENTRE
CENTRE FOR CELLULAR & MOLECULAR BIOLOGY

#startupindia



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Let's take a breath and talk more!

Reach out to us!

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