

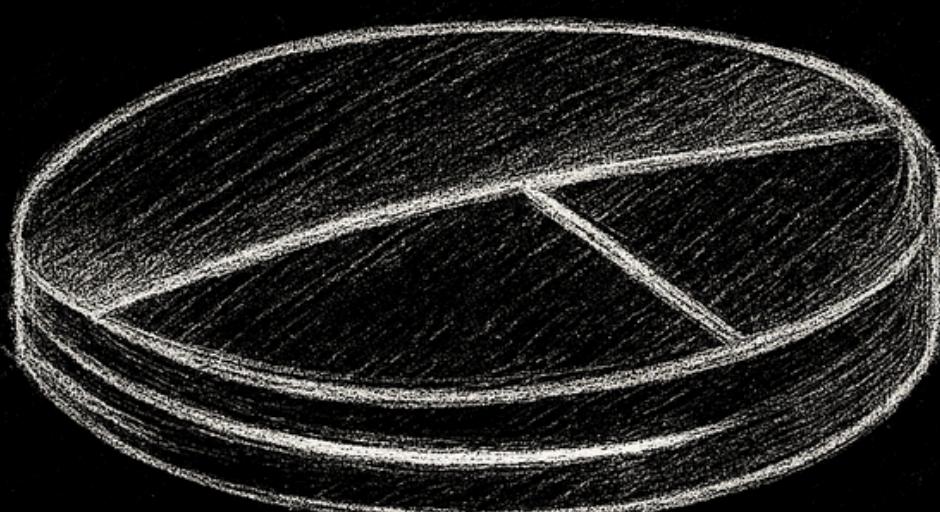
**“INDIA IS BUILDING SMART CITIES. BUT ITS BINS ARE STILL DUMB.”**

- SOME GUY FROM THE TECH TEAM

# WHAT IS MECHLID?



**Smart, solar, sensor-packed lid that fits  
any existing circular bin!**



# OVERFLOWING BINS AREN'T JUST A MESS. THEY'RE HOLDING CITIES BACK!

India generates **160,000+ tons** of waste daily – 60% of bins are manually checked

Cities spend **₹1000+ per route** checking bins that are already empty

Overflowing bins attract stray animals, disease, complaints (even in **Tier 1 cities**)

Less than **1 in 3 cities** have basic waste data. Most have none at the bin level.

CIVIC + CITIZEN = CLEAN FUTURE



**Touchless & Hygienic** : The lid opens automatically, so no one has to touch a dirty bin.

**Prevents Overflowing** : Sensors track waste levels and send alerts as the bins get full.

## How does **Mechlid** help?

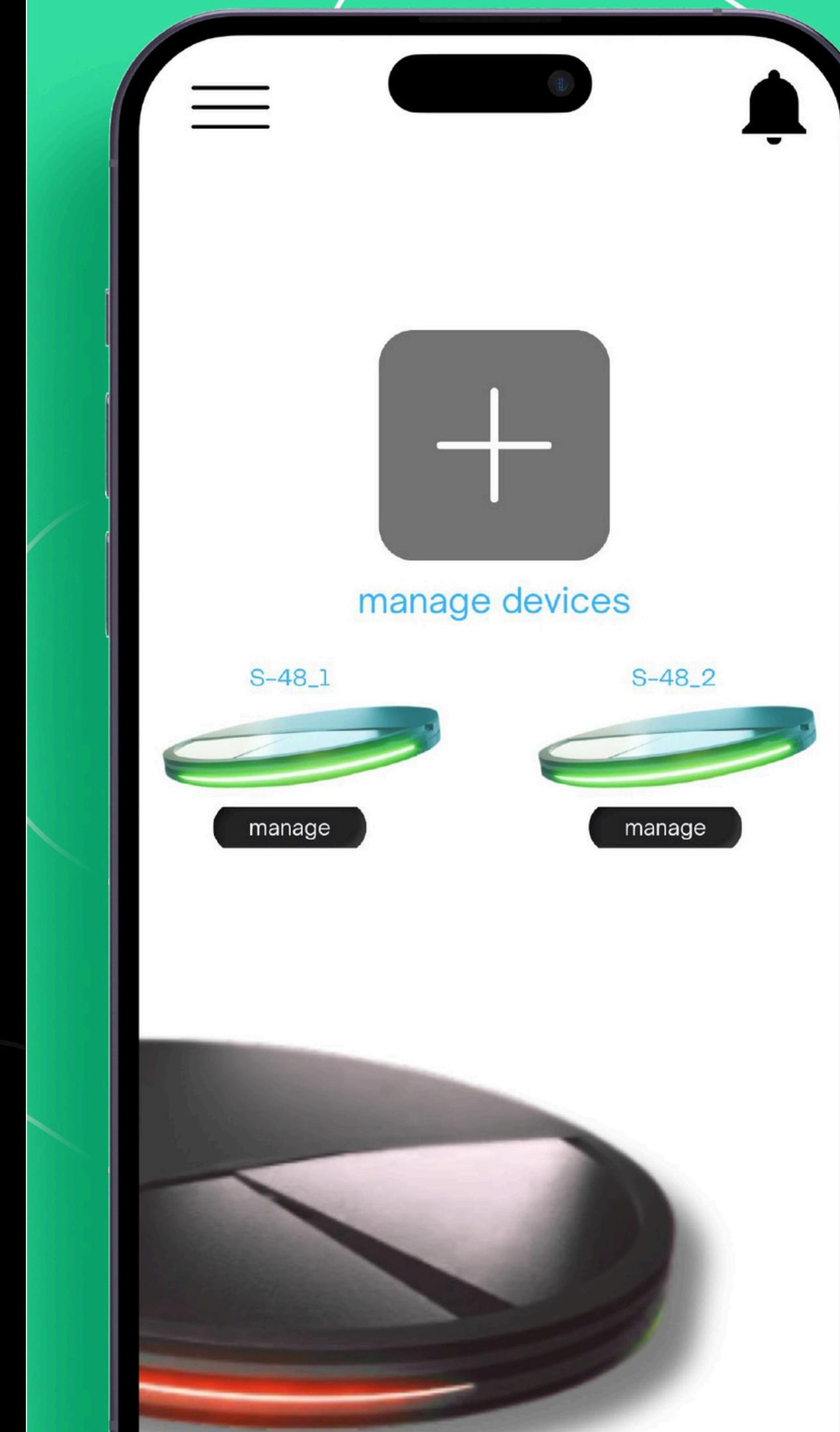
**Sustainable** : Solar-powered, so it runs on clean energy.

**Public Awareness** : A speaker variant can play messages to encourage cleaner habits.

**Easy & Affordable** : Instead of replacing bins, Mechlid upgrades the existing ones due to its retrofit design.



**Unlimited Devices**  
**Live Data Analytics**  
**Real Time Alerts**



# **WE'RE NOT JUST BUILDING BINS. WE'RE BUILDING A LAUNCHPAD**

**Our Plan :**

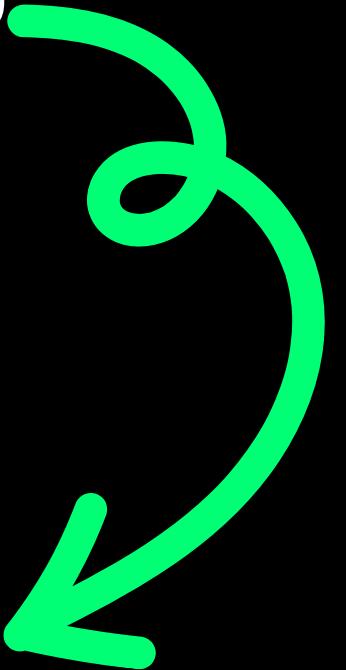
**Mechlid V2 prototype**

**Deploy first pilot in gated societies / schools**

**Build companion dashboard (bin data, alerts, fill stats)**

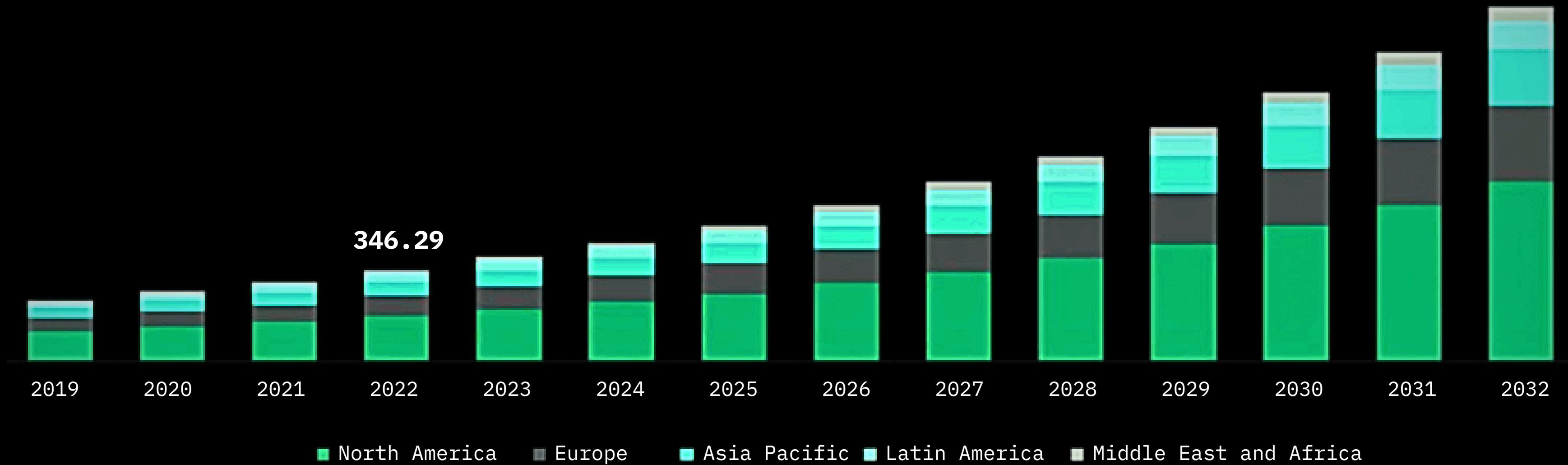
**Prep for scalable manufacturing, In-house manufacturing unit**

**Begin R&D for future civic robotics tools (health care, drones, industry)**



# GLOBAL MOMENTUM — AND WE'RE EARLY

Smart Trash Bins Market Size ( By Region ), 2019 - 2022  
(USD Million)



Source: Polaris Market Research Analysis

WE AREN'T ALONE...

Bin-e

Bigbelly

 cleanrobotics®

# WHAT WE WILL ACHIEVE

**0.5% of the dustbin market share**



**10% of the dustbin market share  
44% of the smart bin market share**

**2% of the dustbin market share**



**MECHLID**

# THANK YOU

[www.asrobotix.com](http://www.asrobotix.com)