
BLOMSO

Farming in Crisis

Problem

- Farmers waste **55-60%** of all fertilizer applied
- Losses of **$175,000+** in fertilizer every year from a single farmer
- Cost effective incentives to capture emissions are **lacking**
- Farmers margins are **diminishing rapidly**

Why

- Soil testing is still using **guesswork**
- Companies advise farmers to use **one test per acre data**
- Soil testing can take **weeks to garner results**
- Soil tests **don't test for nitrogen** because of faulty processes
- Rising fertilizer prices due to **regulations and geopolitical forces**

Why is This Important?

Climate

Nitrogen fertilizer production and application is **5% of global emission alone**

Food Security

Life or death of family farms (85% of all farms) are dependent upon cutting fertilizer use

Food Pricing

Overuse of fertilizer translates to **higher food prices**

Runoff

Fertilizer runoff from over usage costs the US **$157 billion a year**

BLOMSO

Blomso's novel laser based sensors and software provide detailed readouts on soil makeup in real time, reducing farmers' costs by up to **$110,000 a year.**

Blomso's Solution

Precision Sensor

- Our novel laser based sensors, read the make up of soil on a **inch-by-inch basis, on site, and within seconds**

Software

- Our software heat maps the **shortages and hotspots** of fertilizer needed for application
- Using our collected soil carbon data we calculate **carbon credits from sequestration**

Tillie.ai

- Tillie AI is trained on our **novel data** to assist farmers with planning and calculating fertilizer needs
- **Iron Man "Jarvis"** for farmers

How Blomso Works

1

Sensor is mounted on tractor and at a 5-8 inch depth in soil

2

Sensor collects Inch-by-Inch data of the entire field on a live basis

3

Data is sent to our software and packaged by Tillie

4

Software connects to existing fertilizer spreaders for precision application

Blomso's Annual Cost For 1,000 Acres: **$15,000**

Tillie.ai

Novel

Using our novel sensors allows the integration of our tech with **Tillie to be patented**

Unparalleled

Our **AI/ML is fed the most potent Ag-data** on the market, only available to us using our tech

Individualized

Tillie gives every farmer **individualized results and recommendations** using their field data

Automated

Tillie **automates soil testing and consulting** to where it is done in seconds

Blomso Saves 1,000 Acre Farms: **$110,000 annually**

Business Model

SaaS & Sensor

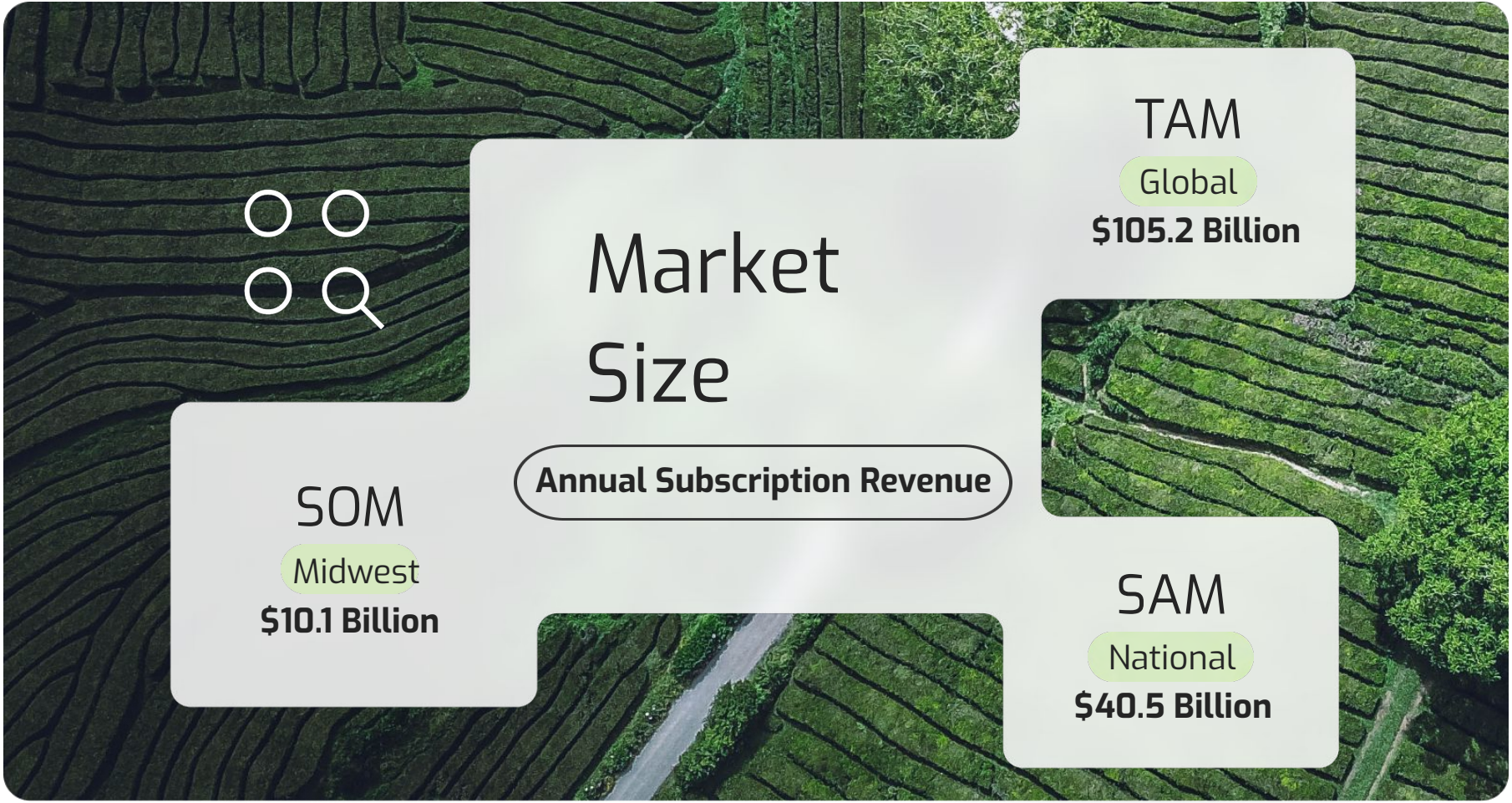
First Year Cost for 1,000 Acre Farm is **$30,000**, following years is **$15,000**

Software

$1.25/Acre a month, which totals to **$15/acre** a year

Sensor

$15,000 for sensor at a 5-6 year lifetime without necessary maintenance.


Market Size
Annual Subscription Revenue
TAM
Global
$105.2 Billion
SAM
National
$40.5 Billion
SOM
Midwest
$10.1 Billion

Competitive Advantage

First to Market Sensor

	Real Time Results	AI Interface	Carbon Data	Hardware
BLOMSO	✓	✓	✓	✓
AgSource			✓	
SGS				✓

Current Traction

Partnered with The Ohio Department Of Agriculture to Develop Tillie and Monitor Fertilizer Runoff

15,000 Acres of Customer Land Secured for V1 Pilot

Partnered with Nestle and Buhler Through MassChallenge Switzerland to set up European Pilot Across 3 Countries

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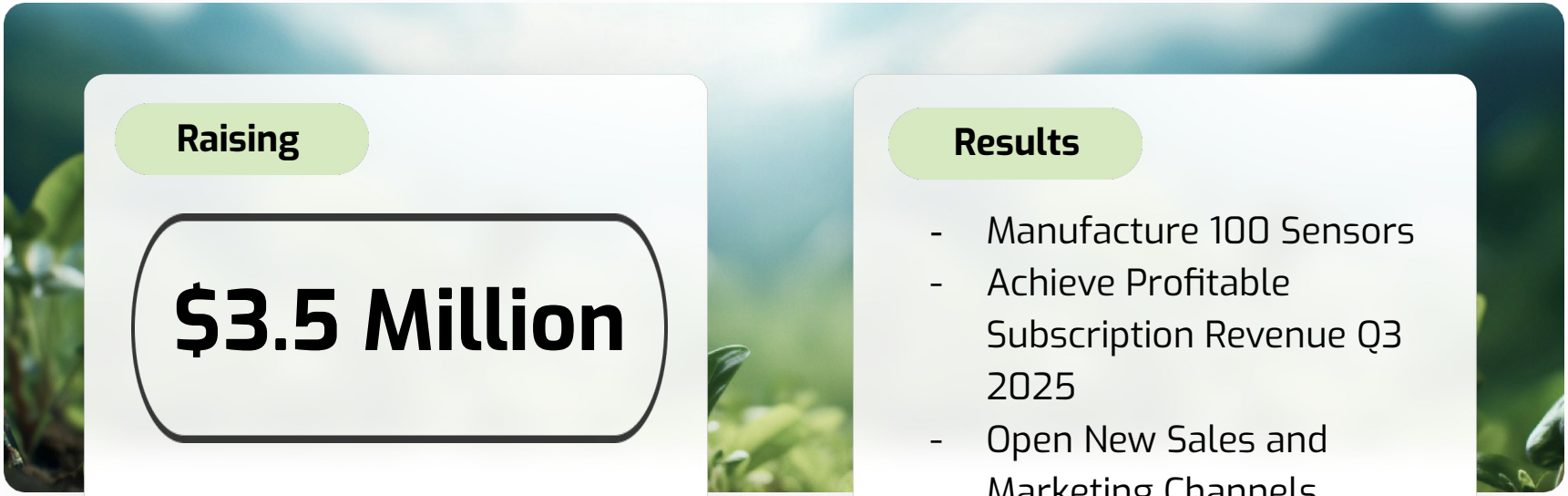

Raising

$3.5 Million

Results

- Manufacture 100 Sensors
- Achieve Profitable Subscription Revenue Q3 2025
- Open New Sales and Marketing Channels

Our Team

Kalib riddle

CEO / Co-Founder

Patented Carbon Capture Tech Connected to the industry

Roan Kovach

CTO / Co-Founder

Biomedical Engineer
Technical Expert

Max Rojanasakdakul

CINO

Mechanical Engineer
Climate Policy
Scholar