

Farming Robots: Meet the Amiga!

Get ready to meet the Amiga, a super cool robot that helps farmers grow yummy food! It's like a smart helper for big farm jobs.

SS

by Samantha Schmidt



Why Use Robots on Farms?



Faster Work

Robots work quickly.

They never get tired.

Robots make farm work super fast and safe. They can keep working all day, every day!



Safer Jobs

Robots handle tricky tasks.

Keeps farmers safe.

How Do Robots Work?



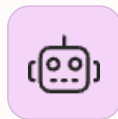
Robot Eyes

Cameras help them "see."



Smart Brains

Computers help them "think."



Move on Their Own

They drive themselves.

Robots use cameras and computers to understand their surroundings and move around all by themselves, just like a smart car!

Follow Mode: A Robot Friend



Follows the Farmer

Like a helpful puppy.

Stays Very Close

Always by their side.

The Amiga robot has a special "Follow Mode." It can trail behind the farmer, just like a little shadow, making farm work easier.

Why Follow Mode is Super Cool

Carries Heavy Things

Helps farmers lift big loads.

Less tiring for people.

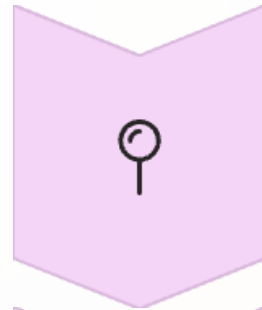
Saves Time

No more trips back and forth.

Gets jobs done faster.

Follow Mode is amazing because it helps farmers carry heavy items and saves them a lot of time by reducing extra trips across the field.

Robot Navigation: Point A to B



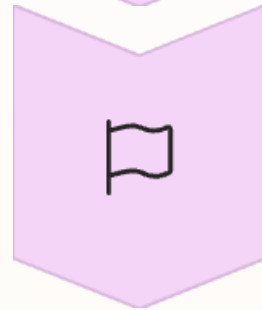
Set a Path

Tell it where to go.



Follow the Map

Like using a GPS.

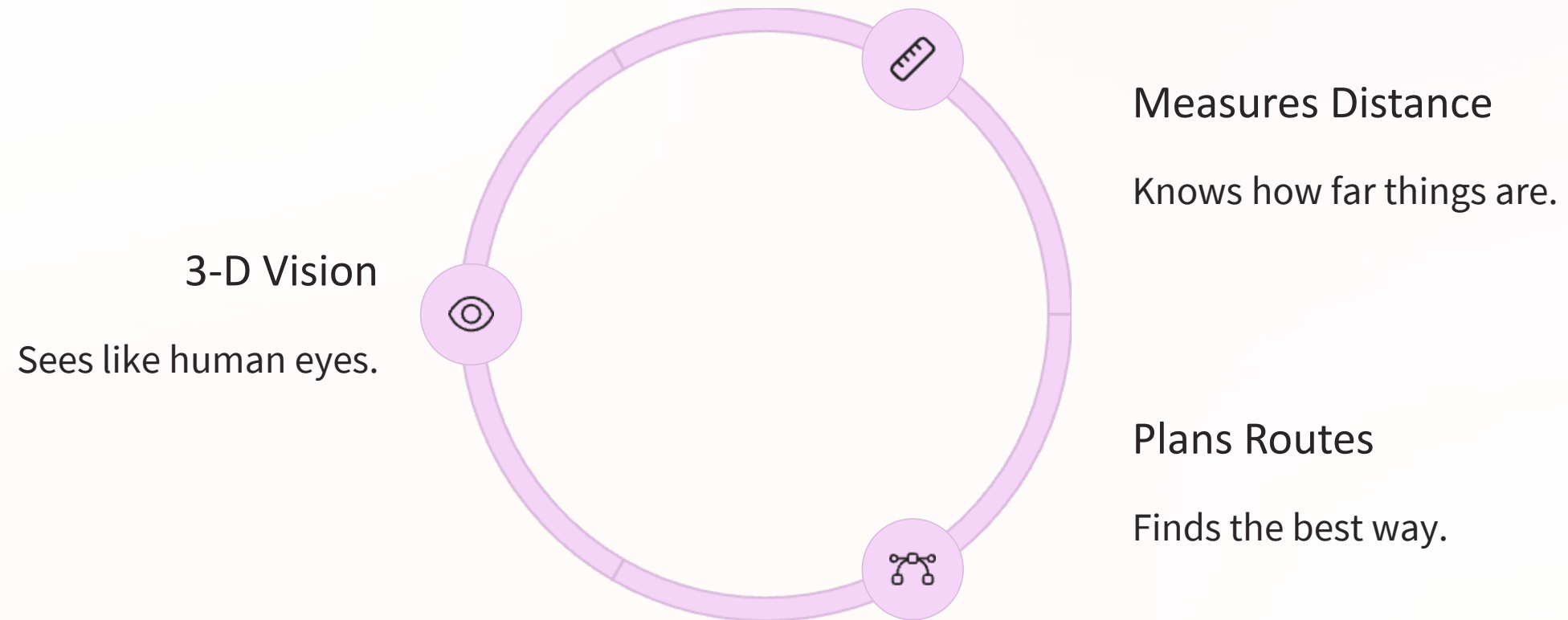


Reach the Spot

Arrives exactly there.

Besides following, the Amiga can go anywhere you tell it to! You just give it a destination, and off it goes, like following a map.

Amiga's Smart Robot Eyes



The Amiga has super smart 3-D eyes! This means it can tell how far away things are, helping it move safely and know exactly where to go.

Robot Spray Tools



Attaches Sprayer
Connects special tools.



Water Plants
Gives plants drinks.



Healthy Boost
Sprays safe helpers.



Robots like the Amiga can also have special spray tools! They can spray water to help plants grow strong, or safe chemicals to keep them healthy.

Jobs in Ag Technology



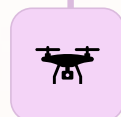
Robotics Engineer

Design and build the next generation of farm robots.



AI Programmer

Create smart programs that help robots make decisions.



Drone Pilot

Fly robots that track crops and fields.





What Did We Learn Today?

1

Amiga Robot

Our farm helper

2

Smart Sensors

How robots see

3

Helpful Tasks

Follow, map, spray

Any Questions?

What would YOU invent a robot to do?