



SPROUTACUS

Greens Harvesting System

Yellow

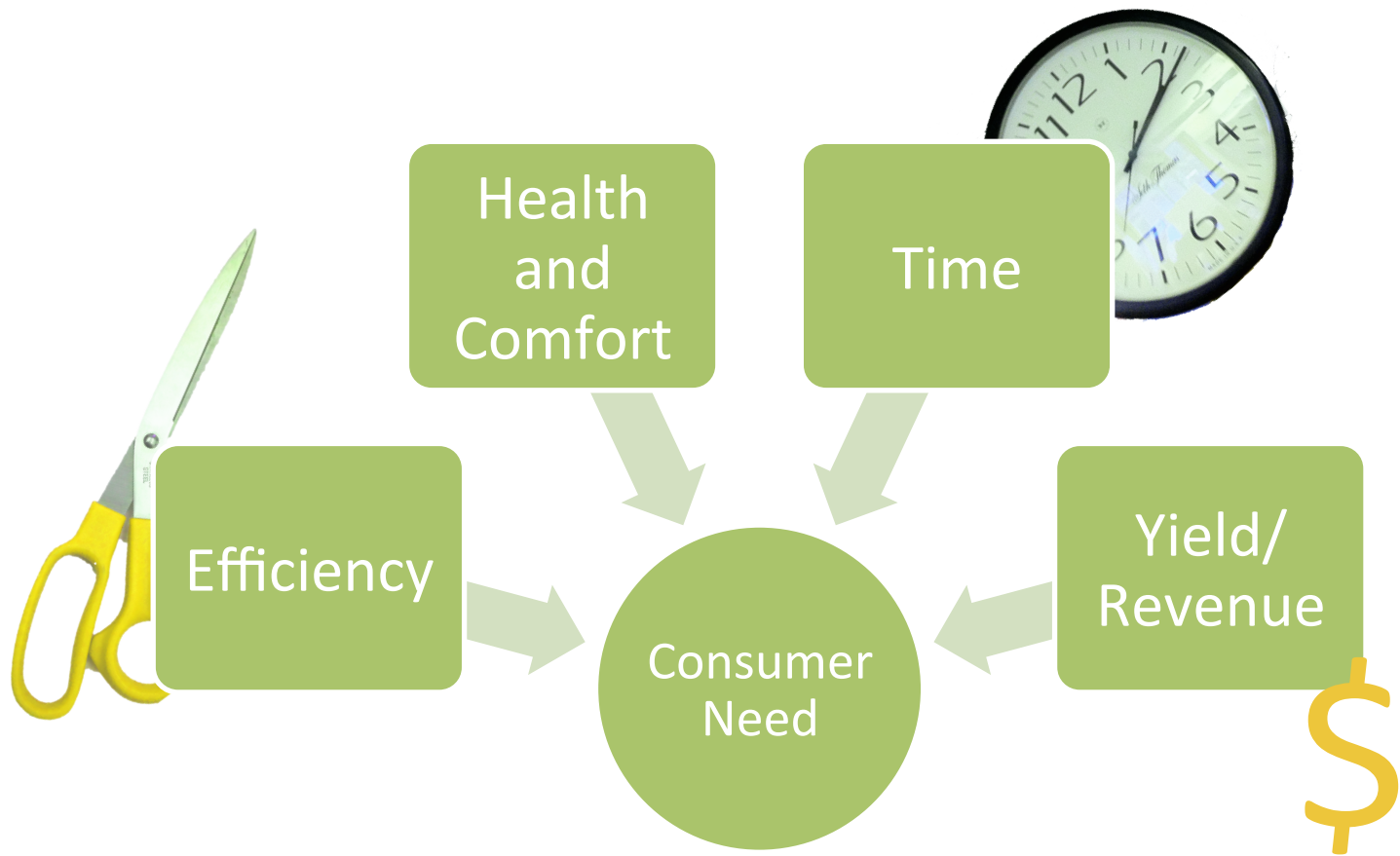
Meet Steph



Leafy Greens



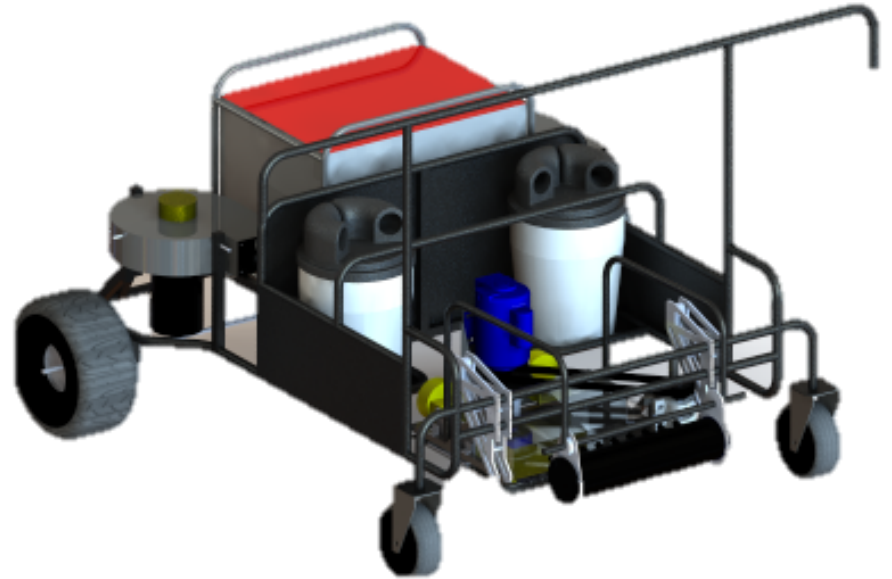
Issues facing a 20 acre small farm



“Farming can be backbreaking work as it is, any opportunity you have to minimize or eliminate one form of repetitive stress is going to make workers healthier and happier.”

–Tyson Neukirch,
The Farm School
Athol, MA

The Solution





IMPROVE productivity
ADD functionality
MAINTAIN quality

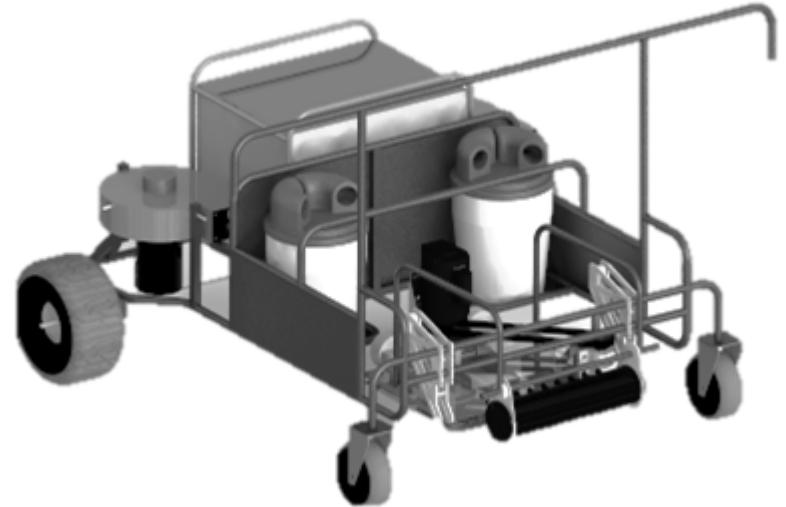
Design Features

1. User Interface
2. Cutting Carriage
3. Collection System

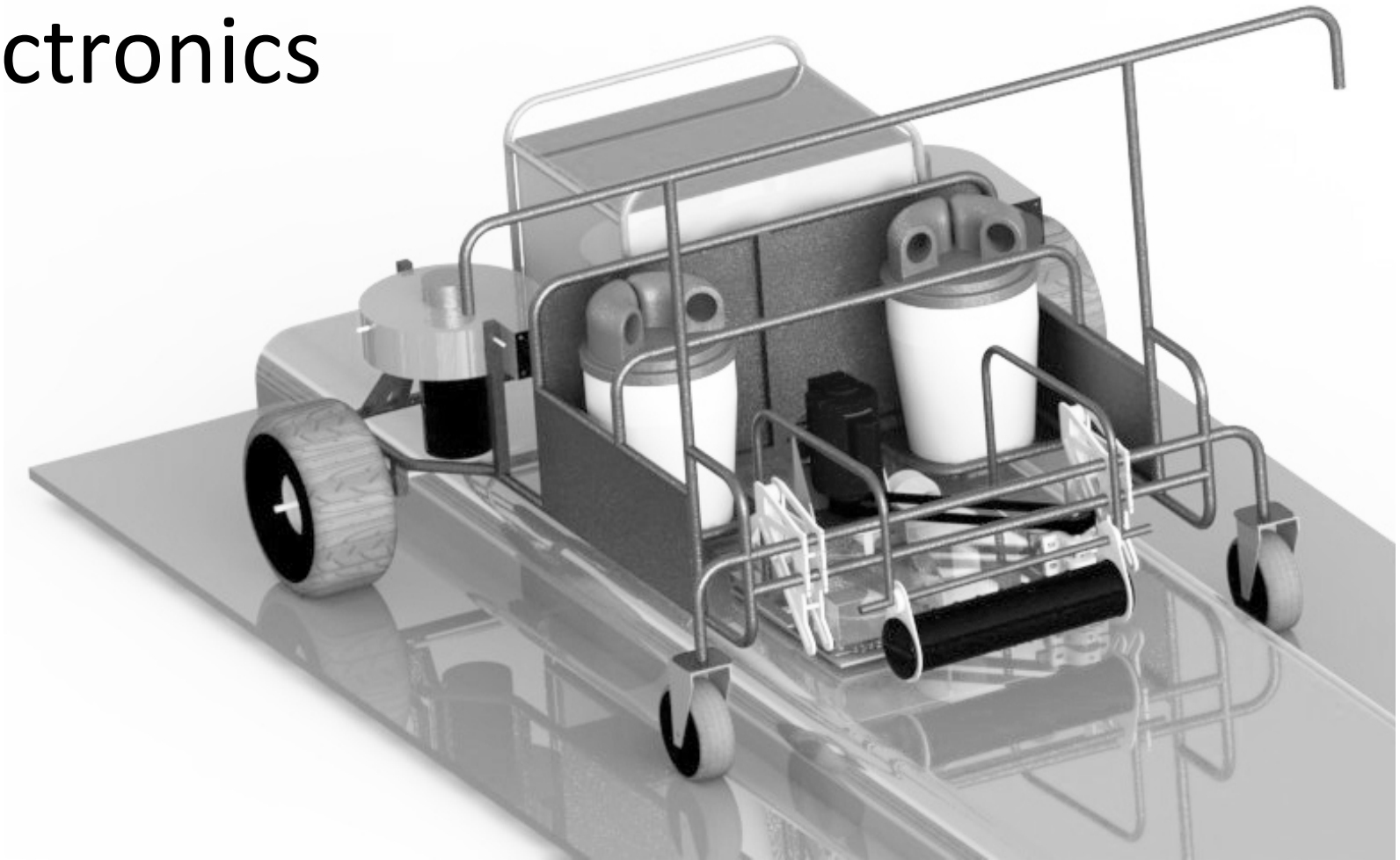
User Interface



Frame



Electronics



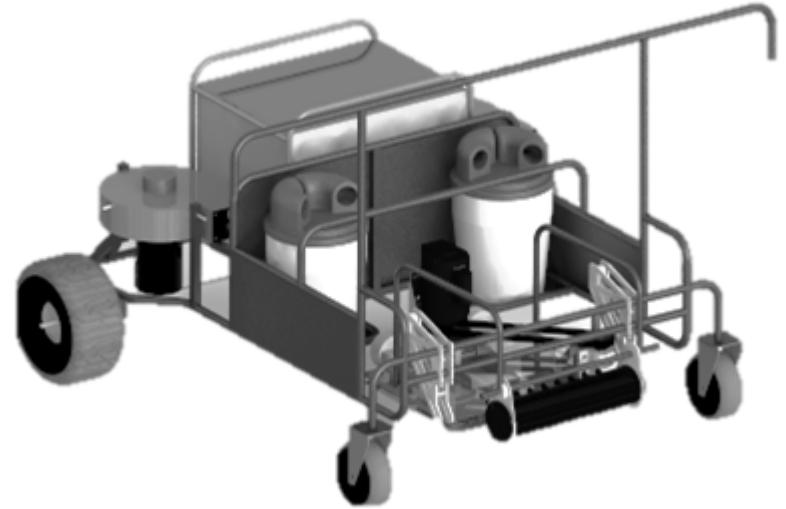
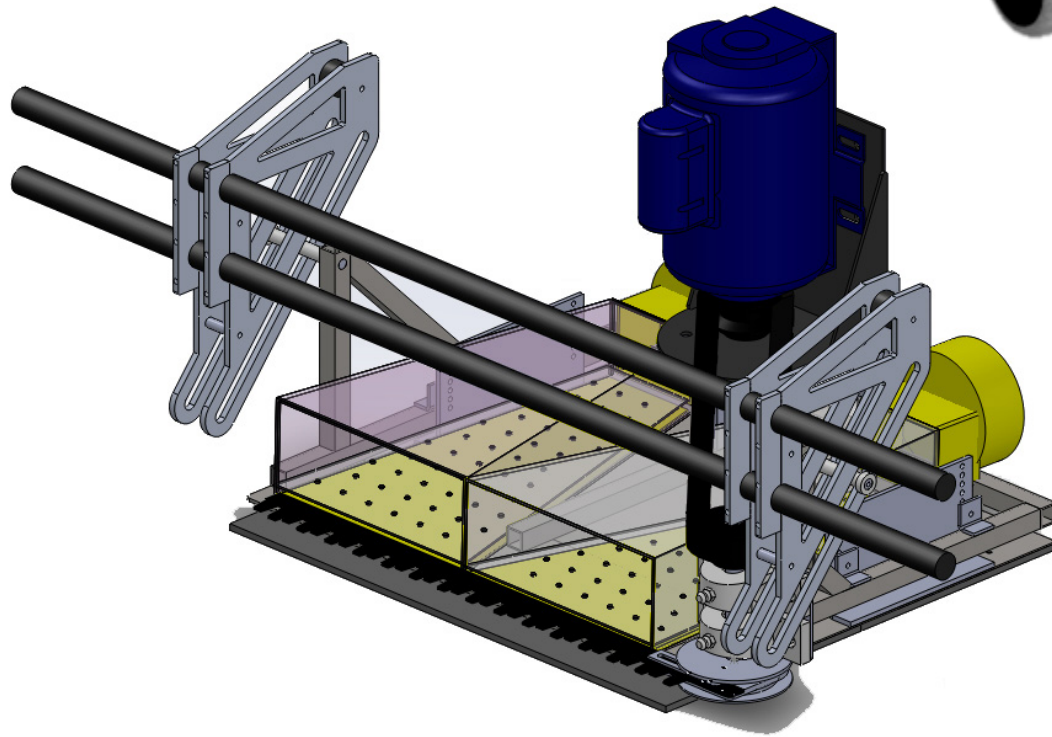
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Harvesting

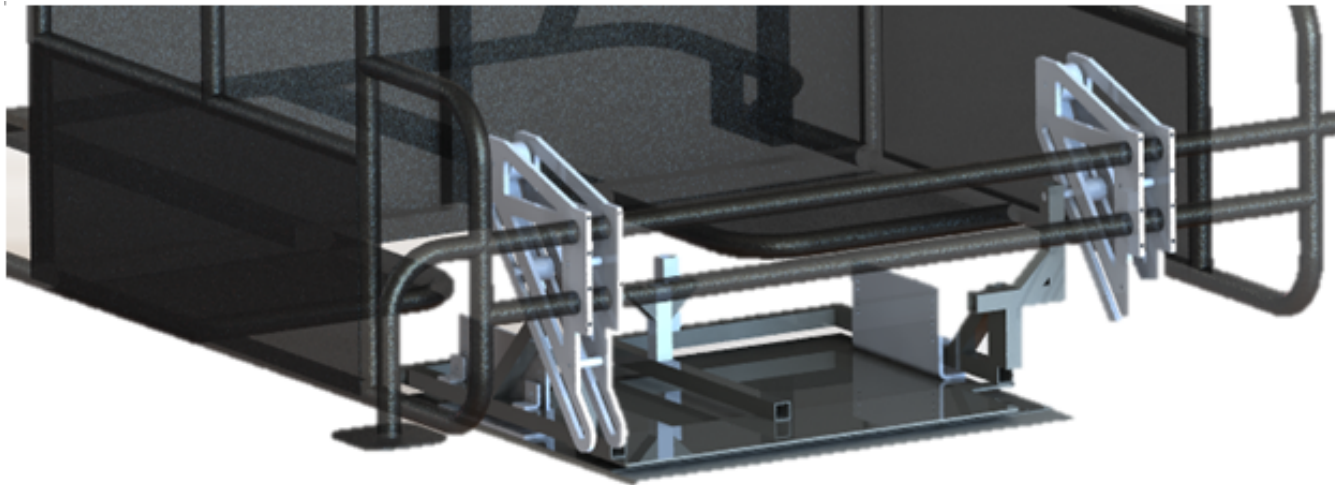
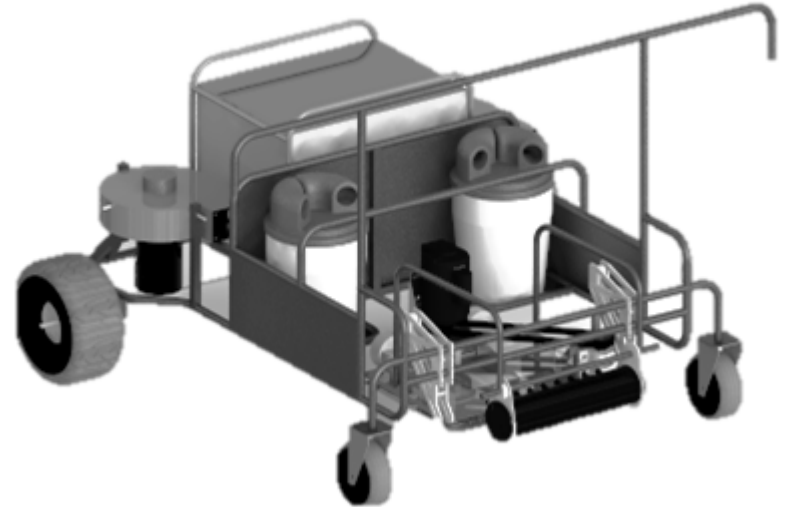


Bed Follower

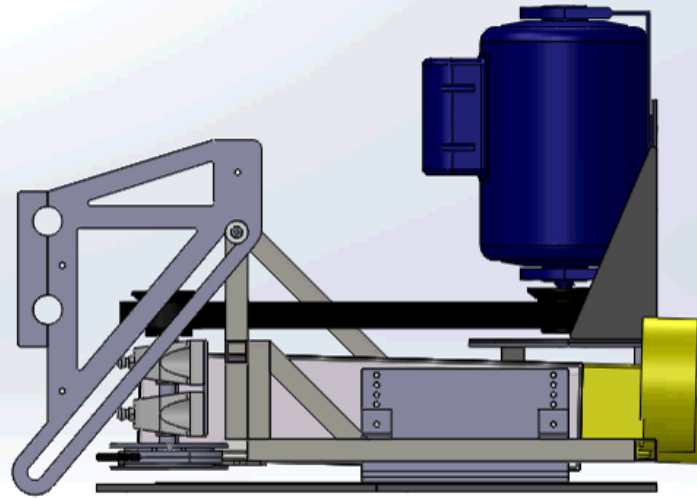




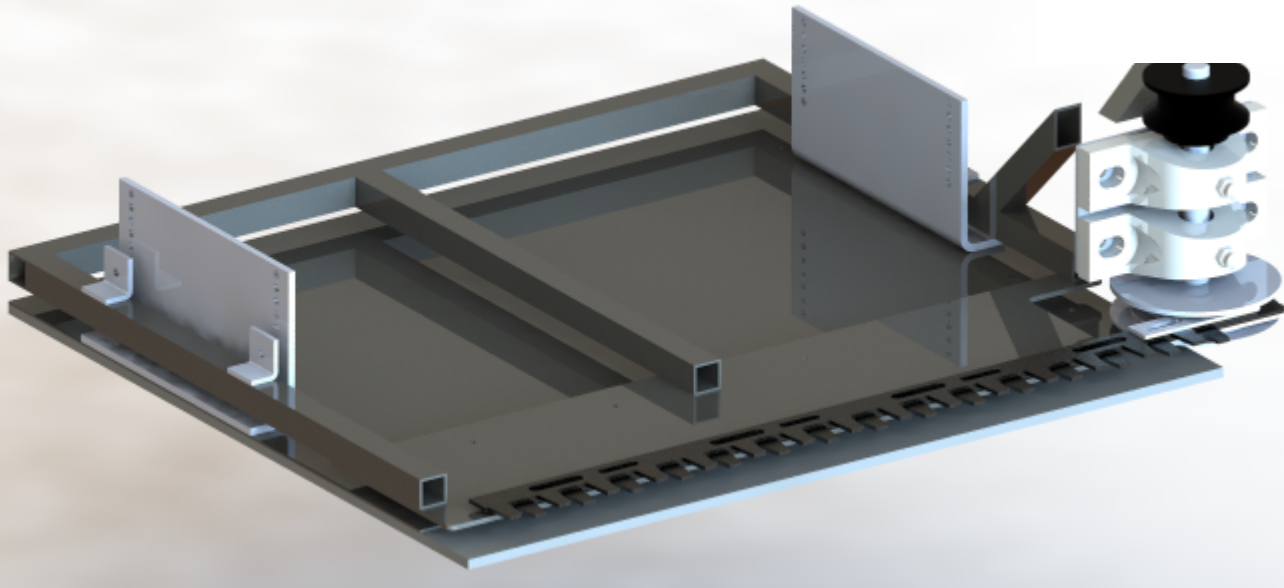
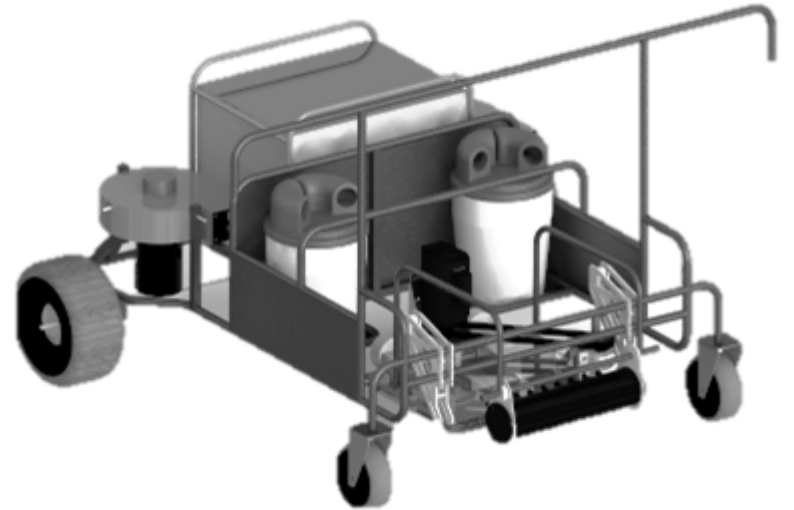
Slotted Sliders



Slotted Sliders



Adjustment Brackets



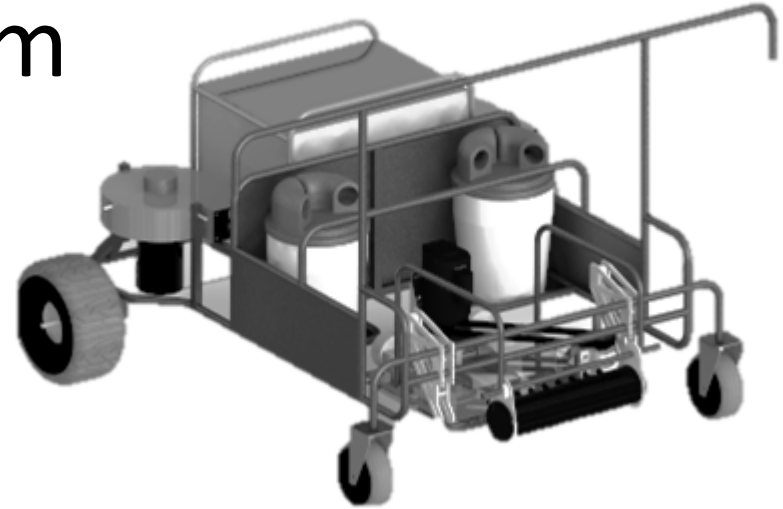
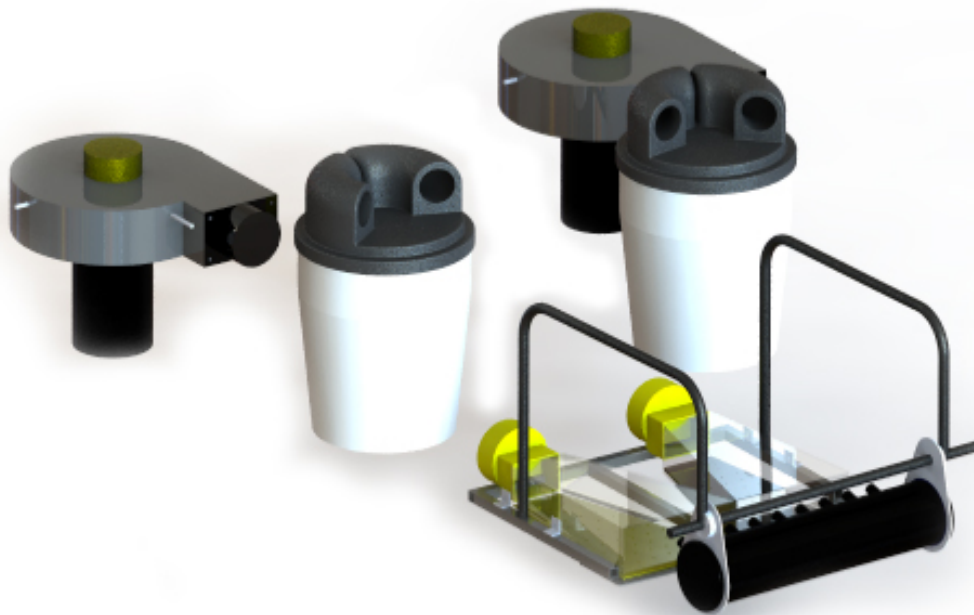
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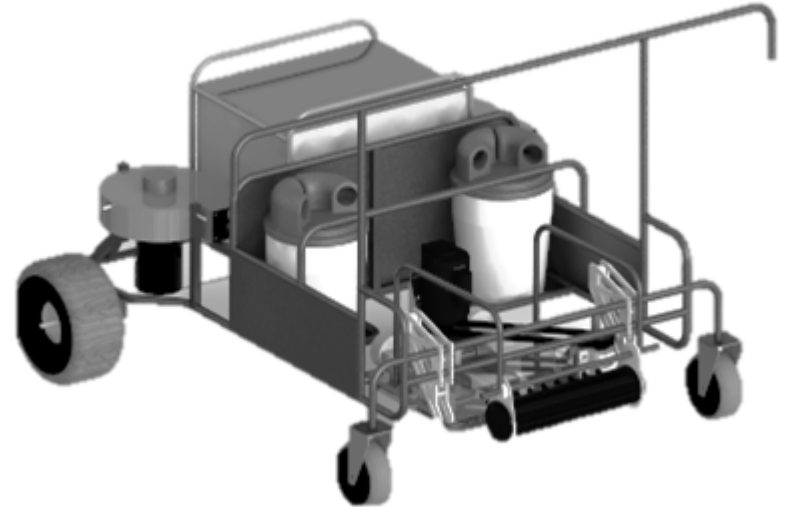
Collection



Vacuum Collection System



Collection Manifold



Future Steps

1. Powered Drive Assist
2. Standardized Bin Attachment
3. Variable Frame Widths

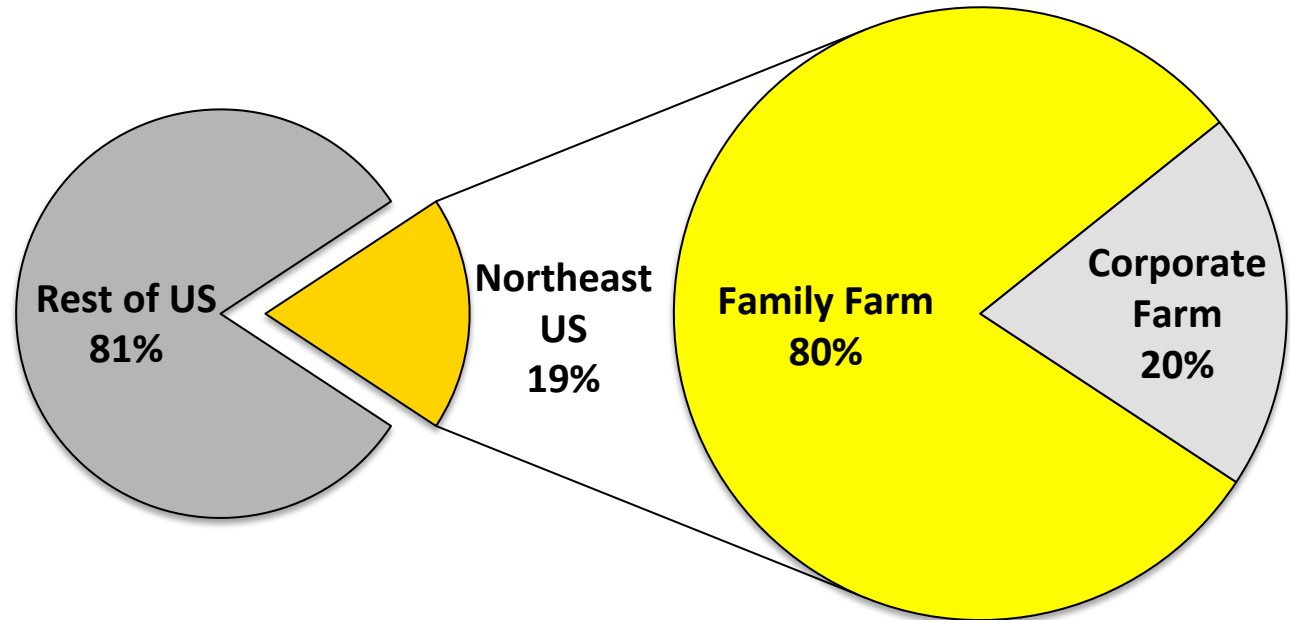
Business Viability

1. Market Size
2. Cost Breakdown
3. Projected Earnings

Market Size

69,172 Vegetable Farms in the US

10, 251 are family owned and in the Northeast



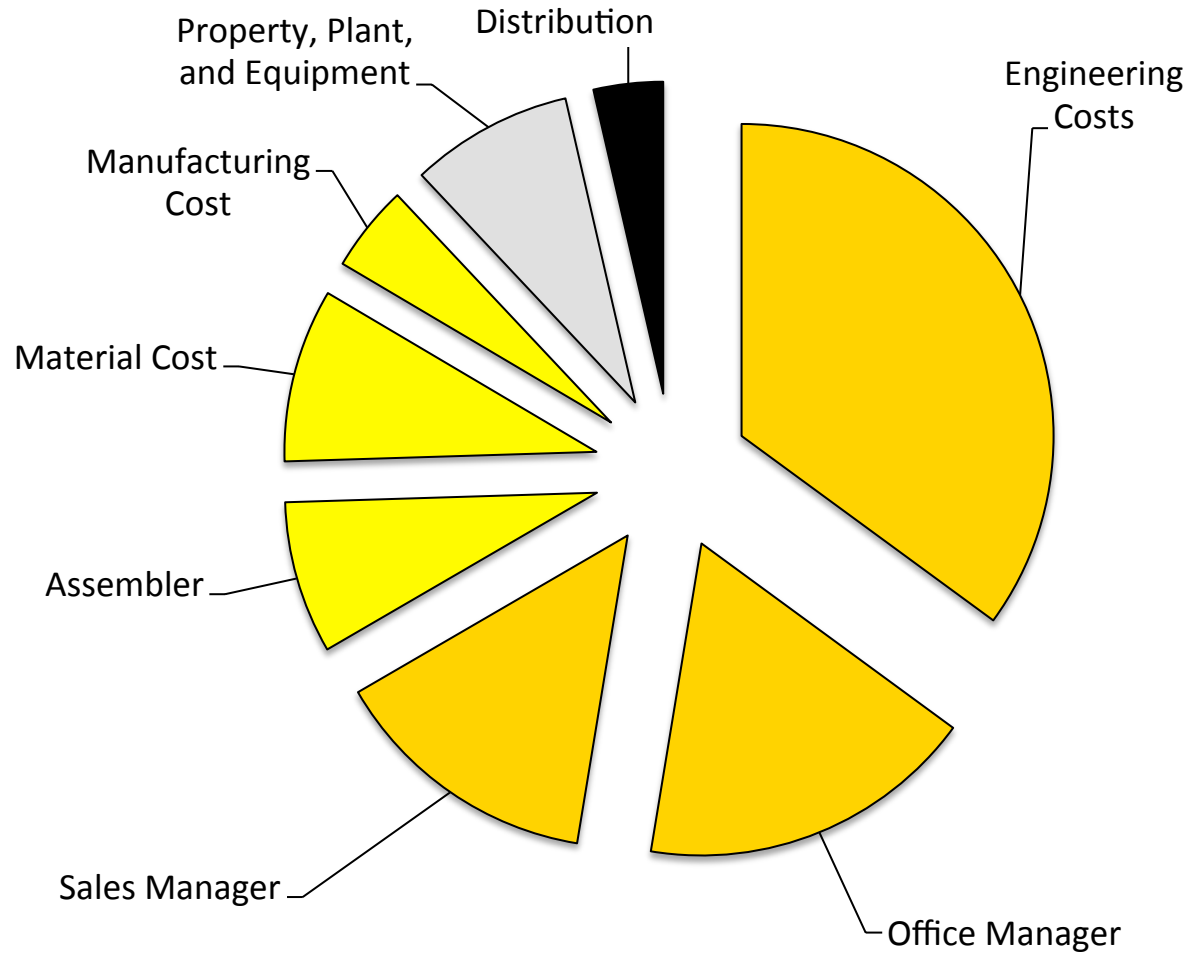
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Cost Breakdown

Retail Price/ unit: \$2,000

Product Cost / unit: \$500



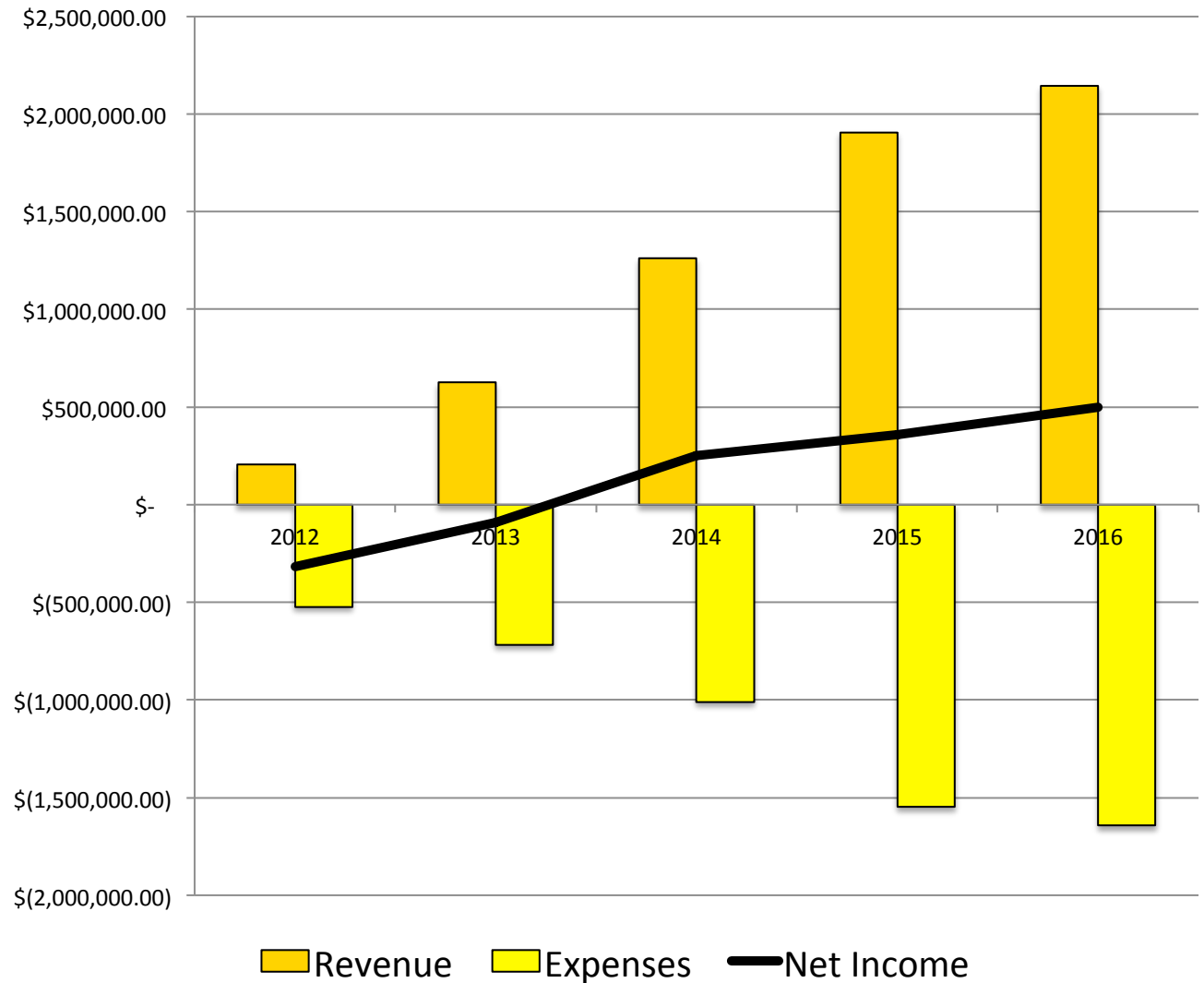
Business Viability

1. Market Size
2. Cost Breakdown
3. Projected Earnings

Projected Net Earnings

IRR: 41%

Break Even
Point: Year 2



Thank you

Professor Wallace



Yellow Instructors



Farm Contacts



Allandale Farm



Shop Guys



TA's



Yellow Team





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