



The BioBusiness Alliance
of Minnesota



Biobusiness in Minnesota: A Snapshot

Presentation to Austin, Texas Leadership

September 27, 2010

Objectives

- **Minnesota Overview**
- **BioBusiness Alliance Background**
- **Destination 2025 process and outcomes**
- **Mega-trends affecting the future**





The BioBusiness Alliance of Minnesota

- Industry led, non-profit organization
- Partners with industry, academia and government to stimulate growth in Minnesota
- Supports growth in six targeted industries



Medical Devices

Biologics/Biopharma

Animal Health



Food

Renewable Energy

Renewable Materials



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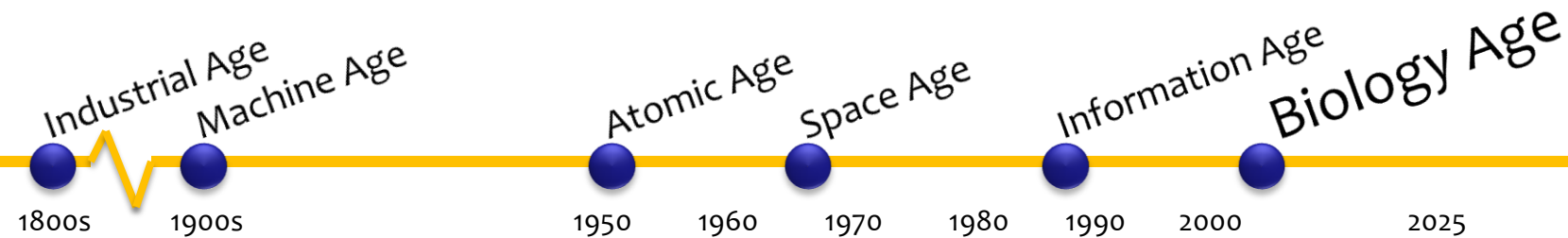
- **We have a targeted, fact-based strategic plan.**
- **We are helping companies grow by leveraging internal and external resources.**
- **We are leading and catalyzing statewide and regional projects that will drive the growth of biobusiness in Minnesota.**
- **We are improving the climate for biobusiness in Minnesota.**





Industry evolution through the ages

Today's advances leverage the accomplishments of previous ages products and technologies.



A simple way to remember the industry



Blood
(human or animal)



Living Plants



Industrial

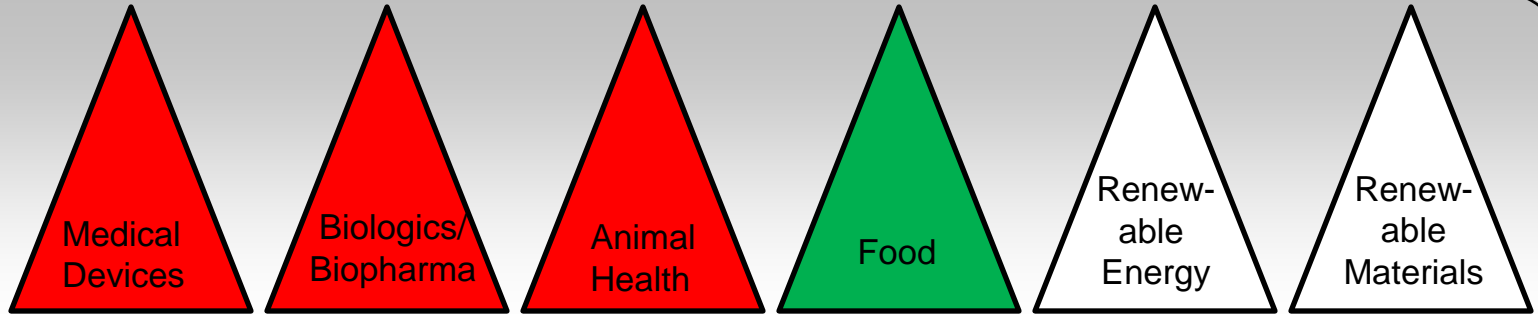


Aquatic

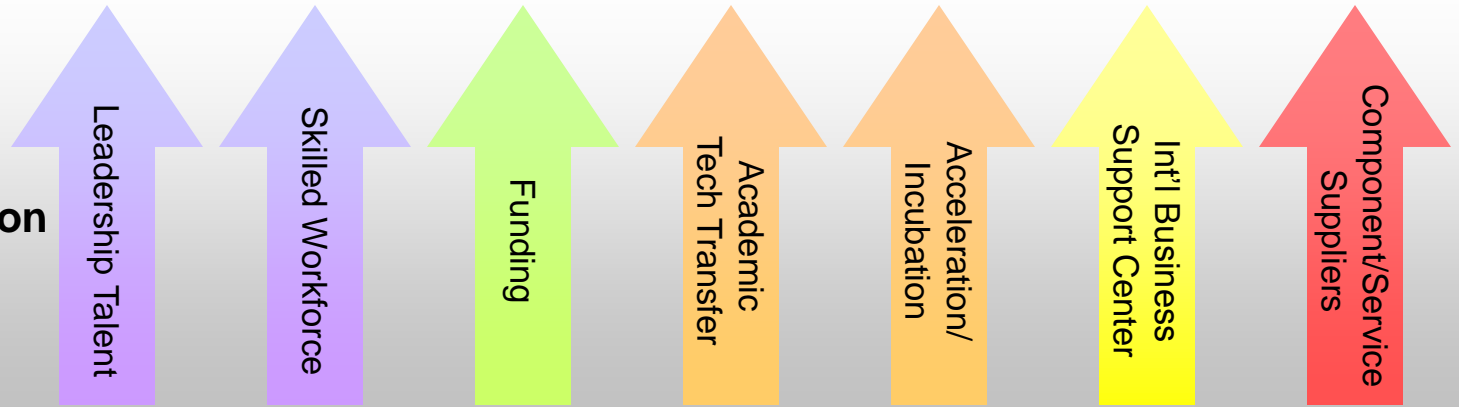


Minnesota Life Science Community

Minnesota Industries



Commercialization Catalysts



Enabling Knowledge Clusters

Catalysis & Synthesis
(Biological & Chemical)

NanoTech & Materials
Science

Bioengineering & Clinical
Capabilities

Bioinformatics & Systems
Biology

Genomics, Proteomics & High
Throughput Biology

Imaging / Navigation

Foundational Capabilities

Education

Infrastructure

Policy

Three phases of evolution



2005


2007

2009

Phase I

Phase II

Phase III

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Destination
2025
envision our future

2006

2008

2010

**STATEWIDE
INDUSTRY
ASSESSMENT**



**BIOBUSINESS
RESOURCE
NETWORK**

Enriching Minnesota's Future through the Biosciences

Minnesota's Strategic Plan



Enriching Minnesota's Future through the Biosciences



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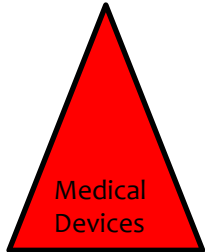
What is Destination 2025?

- **A partnership with Deloitte Consulting, LLC**
- **A twenty year “vision and roadmap” for the life science industry in the state of Minnesota that is intended to help ensure our place in the evolving global economy.**

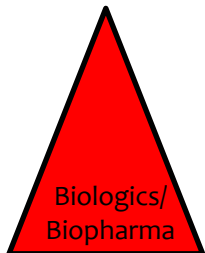




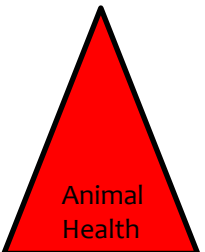
Opportunities: Medtech Cluster



- Expand applications of active implantables
 - Establish leadership role in next generation devices
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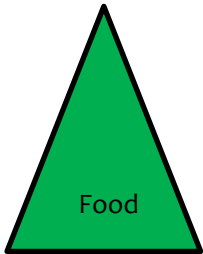
- Establish a biotech industry
 - Diagnostics & Monitoring
 - Diabetes
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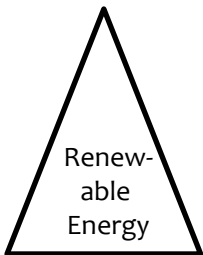
- Vaccines
- Convergence with Human Health



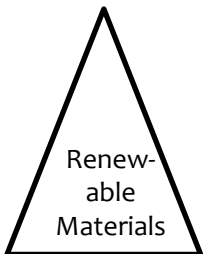
MN's Opportunities: Biomass Cluster



- Participation in all other industries
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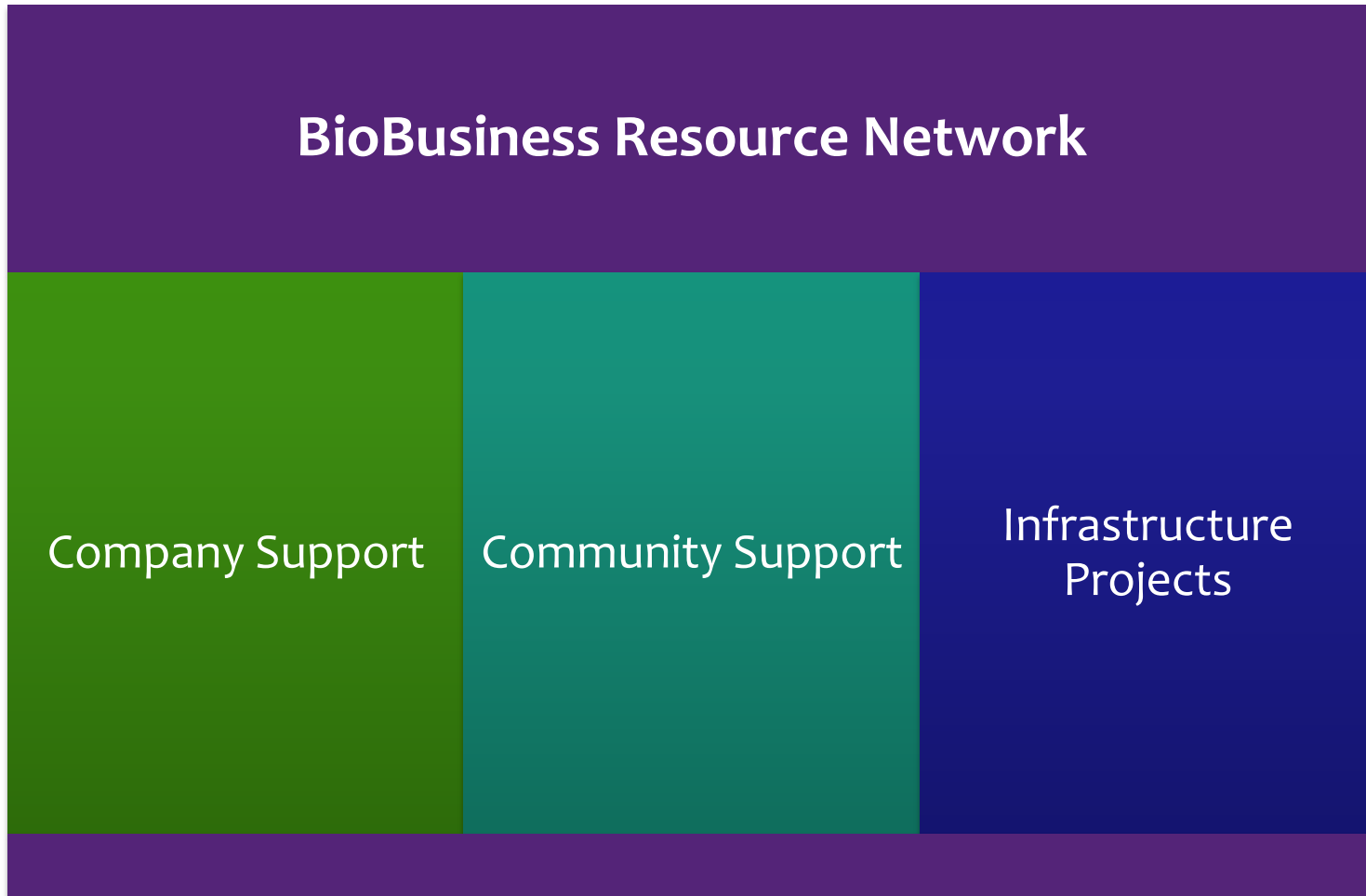
- Combustion of biomass
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- Engineering and end product production



Implementation





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Thank You

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