

# Ecosystem Relationship Manager



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# Metals Innovation Initiative

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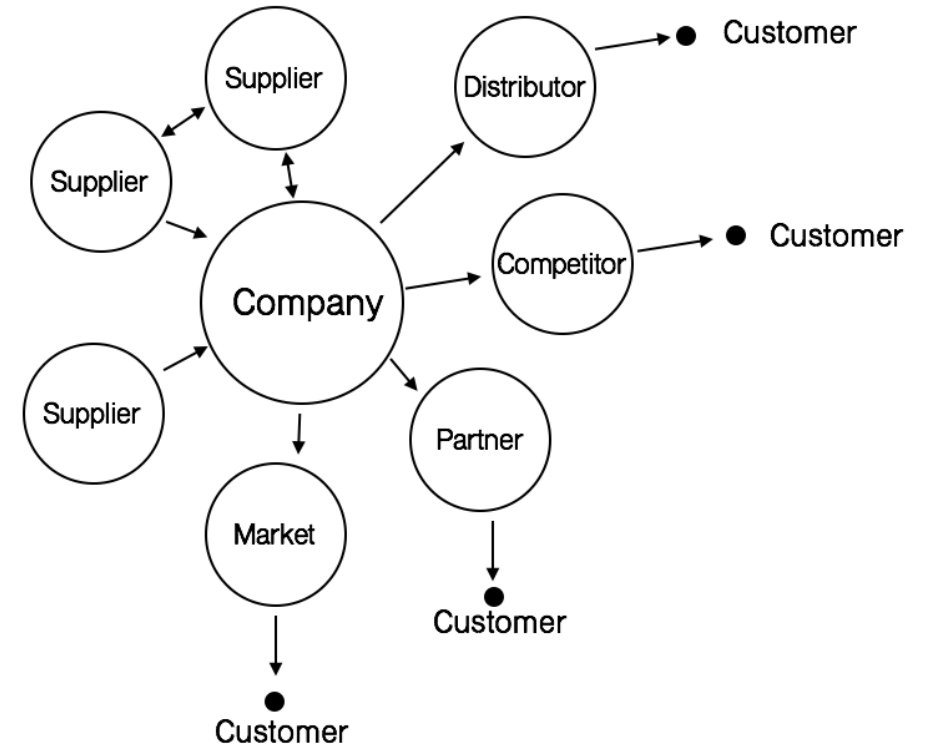


Kentucky-based non-profit organization

Provides collaborative, industry-led executive leadership to attract and promote...

- Advanced Research
- Sustainability
- Commercialization
- Talent Development

...in Kentucky's metals industry



# Hierarchy vs Ecosystem Business Models

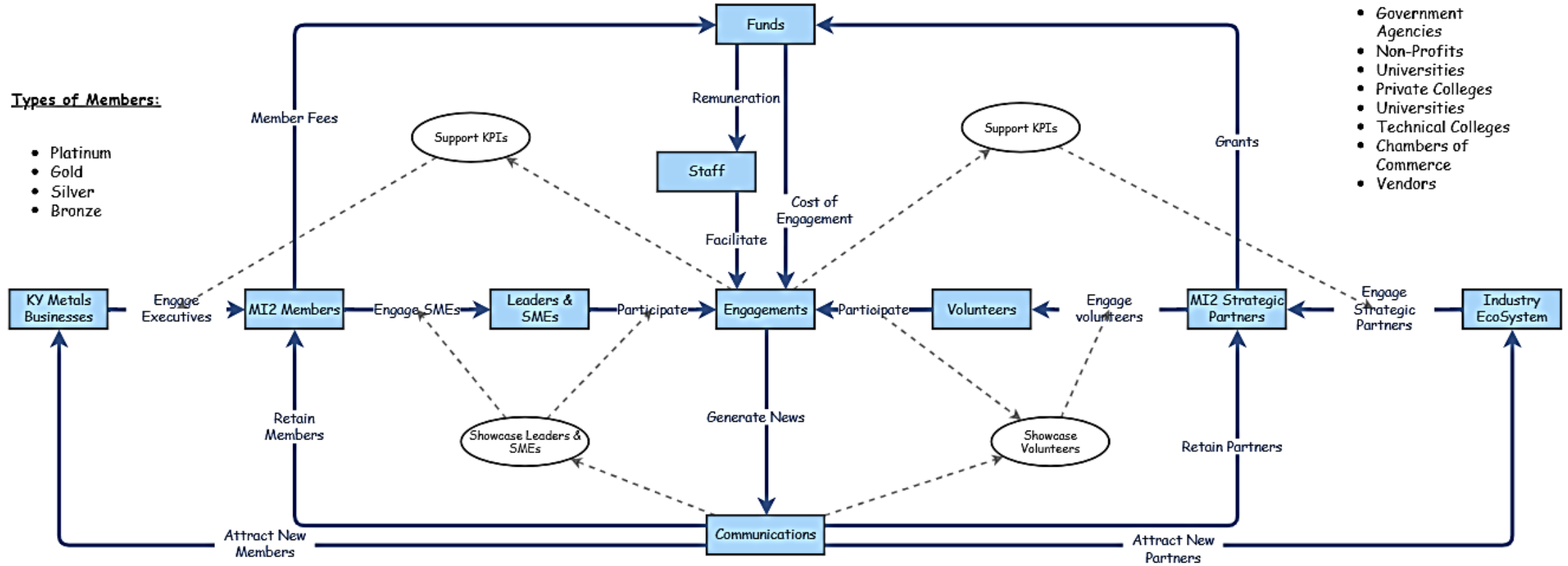


### Types of Members:

- Platinum
- Gold
- Silver
- Bronze

### Types of Strategic Partners:

- Government Agencies
- Non-Profits
- Universities
- Private Colleges
- Universities
- Technical Colleges
- Chambers of Commerce
- Vendors



### Types of Communications:

- NewsLetters
- LinkedIn Posts
- Minutes
- Emails
- News Articles

### Types of Engagements:

- Projects
- Conferences
- Board Meetings
- MLC Meetings
- Roadshows
- Trainings Events
- WG Meetings



# Beginning Steps

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Once ready, I began the long process of building an application.

Plan to Use:

- Strictly Microsoft Teams
- Microsoft Lists



# Flat-File Database vs Relational Database

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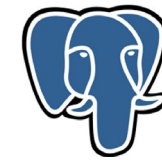
FLAT-FILE



Lists

- Convenient
- Already integrated into Teams
- Cannot create relations between tables
- Does not completely meet needs of client

RELATIONAL



PostgreSQL

- More difficult to implement
- Efficiently stores big amounts of data
- Supports filtering of the data
- Fully meets the needs of client



# PostgreSQL Learning Curve

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Never worked with PostgreSQL before

Have worked with MySQL and I could use those concepts and apply them here

I created tables that were relevant to the information within MI2's ecosystem

Insert information into these tables

# More Challenges

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- Configure/Personalize a dashboard
- Connecting to the created PostgreSQL database
- Display data from database into the application
- Understanding the pathway of the Teams Toolkit starter code



# Demonstration

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Microsoft Teams



METALS  
INNOVATION  
INITIATIVE



# What's Next?

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- Allow for the user input into the database from application
- Configure more in-depth tabs with more information
- Allow the data to be filtered in the tables
- Begin to be able to track engagements and interactions



# Thank You!

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ANY QUESTIONS?

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