



## **NEMI Welcome**



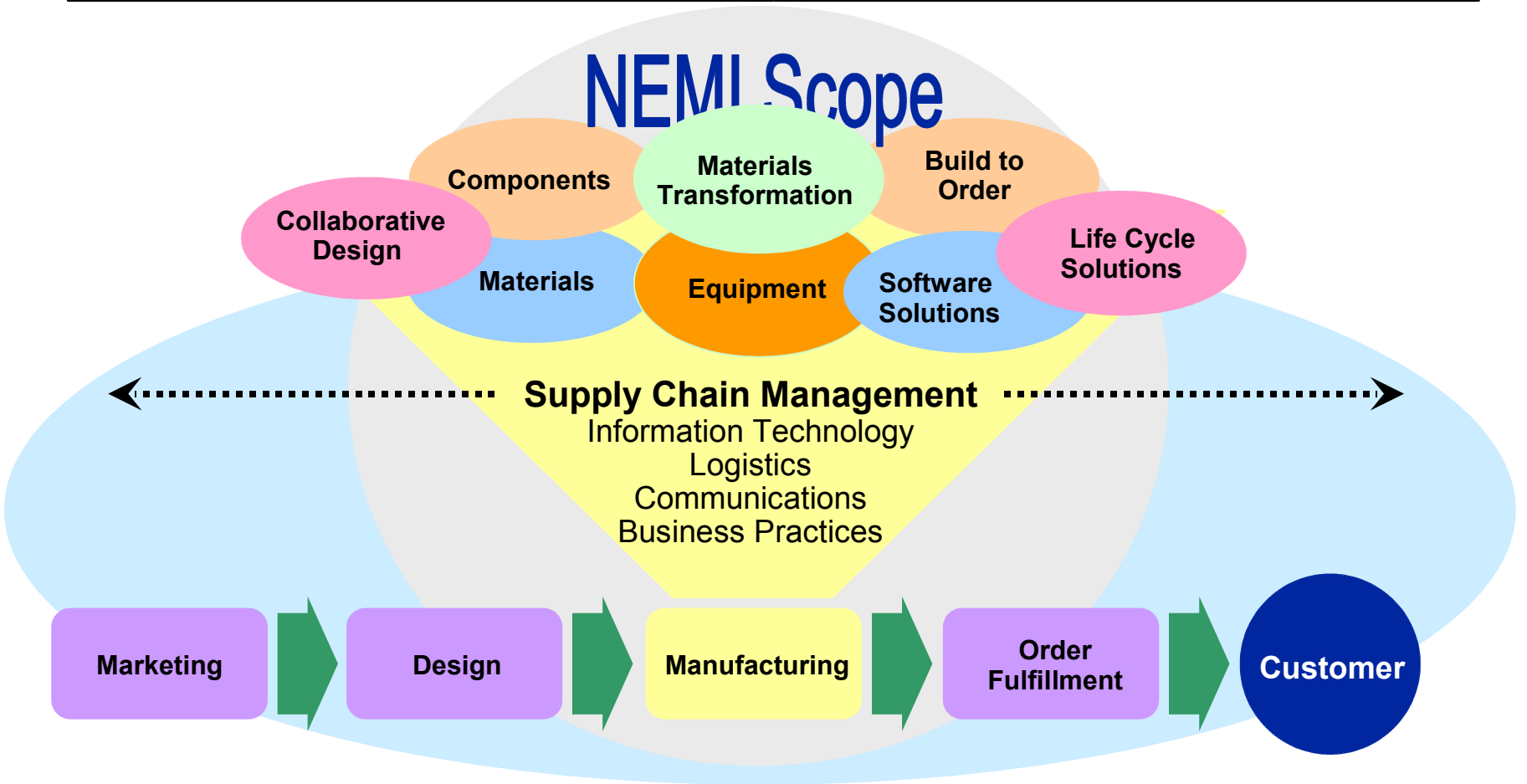
*Jim McElroy*  
*CEO*

*National Electronics Manufacturing Initiative*

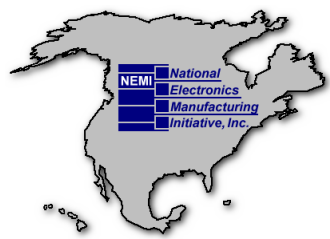


# NEMI Mission

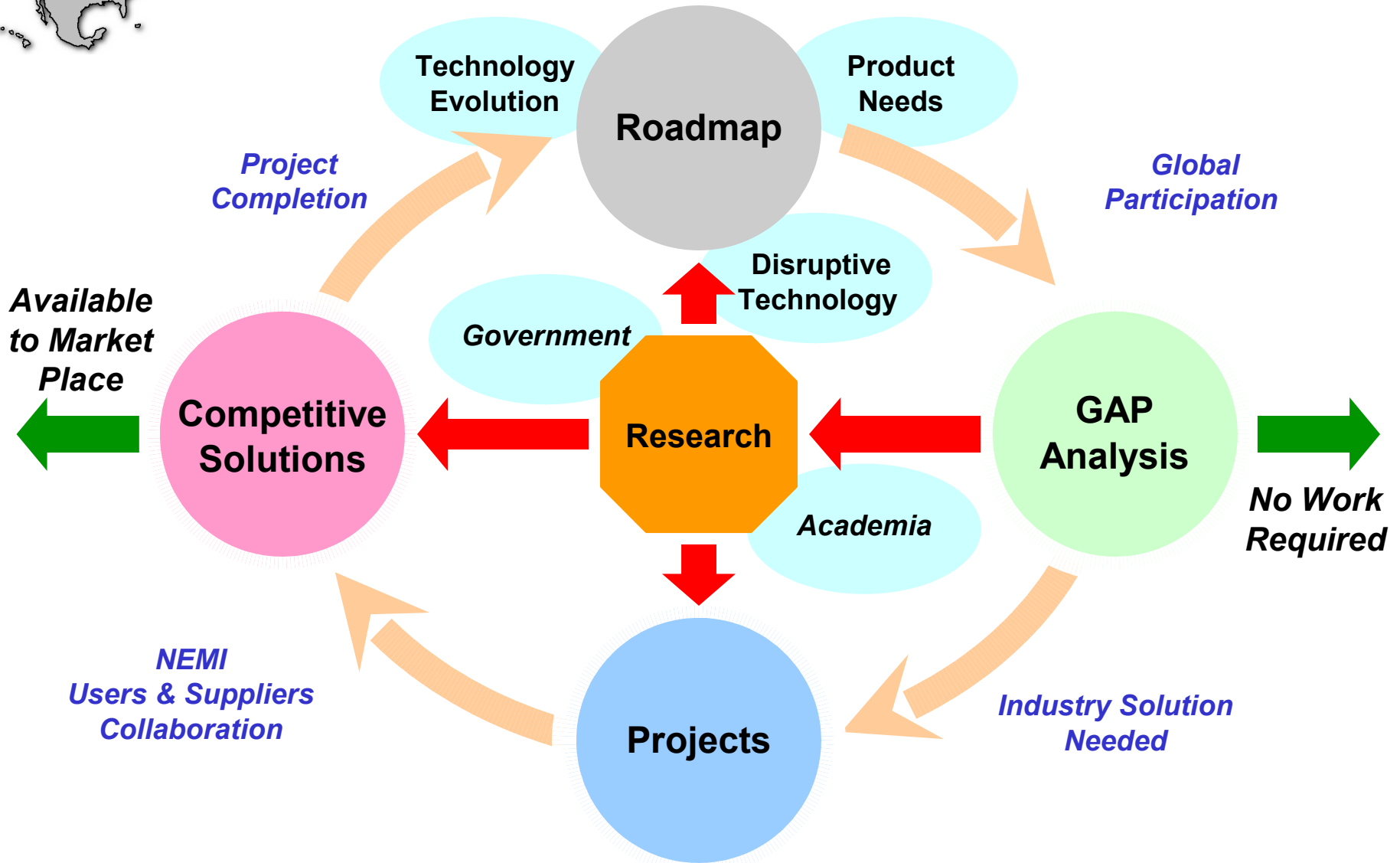
*Assure Leadership of the Global Electronics Manufacturing Supply Chain for the benefit of members and the industry*



*Connect with and Strengthen your Supply Chain*

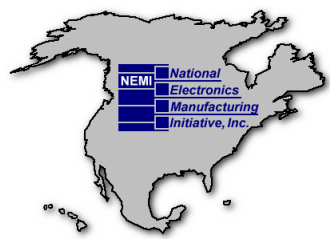


# NEMI Roadmap Cycle



# NEMI Implementation Cycle

*Connect with and Strengthen your Supply Chain*

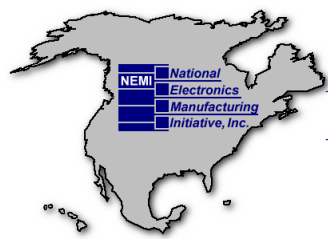


# Membership Value Proposition

## ***“Connect with and Strengthen Your Supply Chain”***

- **NEMI offers the opportunity to collaborate with the entire supply chain in an efficient manner**
  - To understand and accelerate strategic directions
  - To define future needs and opportunities
  - To jointly create industry standard solutions.
- **Today’s increasingly distributed supply chain makes this more important than ever.**
- **NEMI is a member-driven organization that adapts to industry changes quickly and provides timely leadership.**
- **NEMI provides important deliverables:**
  - Technology roadmaps
  - Forums on key industry issues
  - Deployment projects.

***Connect with and Strengthen your Supply Chain***



# Industry Leaders belong to NEMI – OEM/EMS



**DELPHI**

**intel.**



**CRAY**



**Lucent Technologies**  
Bell Labs Innovations



**Microsoft®**



**NORTEL**  
NETWORKS  
BUSINESS WITHOUT BOUNDARIES



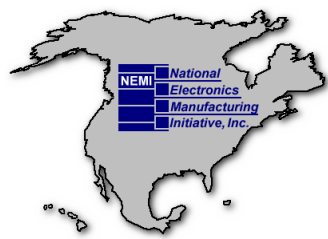
**STORAGETEK®**



**SANMINA-SCI**



*Connect with and Strengthen your Supply Chain*



# Industry Leaders belong to NEMI – Suppliers



Agilent Technologies

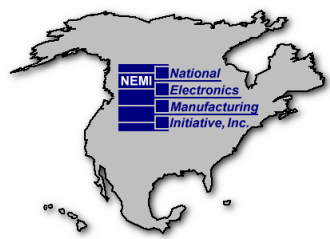


Connect with and Strengthen your Supply Chain



# NEMI's Role – Environmental Collaboration

- **NEMI is well positioned to bring together all critical links of the supply chain:**
  - Leadership companies
  - Executive participation/support
- **We have a well defined methodology to identify and close gaps.**
- **Forming collaborative projects on environmental topics has been straightforward:**
  - Strong member interest
  - Few barriers to collaboration
  - Imposed deadlines



# NEMI Environmental Efforts

## Lead Free Manufacturing:

- **SnAgCu surface mount**
  - Alloy selection
  - Assembly/repair processes
  - Component compatibility
  - Reliability
- **Component lead finishes for high rel applications**
  - Tin whisker accelerated stress testing
  - Fundamental understanding of tin whisker formation
- **Alloy and process for wave soldering**
- **Board finishes for SnAgCu soldering**
- **Board laminate temperature/testing specifications**

## Supply Chain Conversion:

- **Assembly Process Specifications**
- **Component and Board Marking**
- **Component Supply Chain Readiness**
- **Materials Declarations**
- **Materials Composition Data Exchange**

*Connect with and Strengthen your Supply Chain*



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