IMS Roadmap and Transformation

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Global Industry Partners (80)

**LEGEND:**
- Active Member
- Past Member

**USA**
- P&G
- NI
- Parker
- Goodyear
- Boeing
- GE
- Woodward
- API
- GCWW
- TechSolve
- Applied Materials (2)
- LAM
- TI
- Micron
- Canrig
- Raytheon
- Emerson
- Idaho Nat. Lab
- Ingersoll Rand
- Spirit Aerosystems
- 21st Century Systems
- Avetec
- Eaton
- Kistler

**BRAZIL**
- SCK
- HRL
- Ford
- Intel
- Caterpillar
- BorgWarner
- Montronix
- Daimler-Chrysler
- Harley-Davidson
- Johnson Controls

**CANADA**
- Syncrude

**CHINA**
- FORCAM
- Siemens
- China State Ship Co.
- Dongling Tech
- Haier
- Shanghai Electric
- Bao Stell
- Saanxi Heavy Truck

**GERMANY**
- FMTC

**BELGIUM**
- Siemens
- Samsung Semiconductor
- Samsung (Electro-Mechanics)

**FINLAND**
- Kone

**FRANCE**
- Alstom

**SPAIN**
- Tekniker

**HONGKONG**
- Metron Hongkong Ltd.

**KOREA**
- Samsung Semiconductor
- Samsung (Electro-Mechanics)

**JAPAN**
- Omron Corporation
- Nissan
- Hitachi
- Komatsu
- Mitsubishi Heavy Industry
- Toshiba Corporation

**TAIWAN**
- HIWIN
- III
- PMC
- MIRDC
- Psi
- ITRI
- Delta Electronics
- Tongtai Machine Tool

**LEGEND:**
- Active Member
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Impacts

- Accelerated Discovery and Value Creation
- Sustainable Membership and Talents

Transformative Technologies

Transformation Path

Gaps

Gap 1
Gap 2
Gap 3
Gap 4
Gap 5

Existing Technologies & Value Scenario

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Dominant Innovation®

Gaps

Product IP

Value Scenario

Service IP

Gaps

Source: Jay Lee, Univ. of Cincinnati, www.DominantInnovation.com
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Define The Right Things to Do using QFD

- **Strength of the Interrelation Between the What’s and the How’s**
  - H Strong 9
  - M Medium 3
  - L Weak 1

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**Customer Importance**

**Value to Customer**