

Chicago's Future: Where Tech Meets Our Industrial Legacy

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Our Growing Innovation Ecosystem

IN CHICAGO



2002

2004

2006

2008

2010

2012



100+

INCUBATORS,
ACCELERATORS, AND
CO-WORKING SPACES

300+

CORPORATE R&D
CENTERS

275

DIGITAL STARTUPS
LAUNCHED EVERY
YEAR, ON AVERAGE



Courtesy of

Digitization: Where's It Headed?

- 1 Knowledge-intensive sectors that are highly digitized across most dimensions
- 2 Capital-intensive sectors with the potential to further digitize their physical assets
- 3 Service sectors with long tail of small firms having room to digitize customer transactions
- 4 B2B sectors with the potential to digitally engage and interact with their customers
- 5 Labor-intensive sectors with potential to provide digital tools to their workforce
- 6 Quasi-public and/or highly localized sectors that lag across most dimensions

Relatively low digitization  Relatively high digitization

● Digital leaders within relatively undigitized sectors

| Sector | Over-all digitization ¹ | Assets | | Usage | | | Labor | | | GDP share % | Employment share % | Productivity growth, 2005–14 ² % |
|--------------------------------|------------------------------------|------------------|---------------------|--------------|--------------|--------------------|---------------|-----------------------------|---------------------------|-------------|--------------------|---|
| | | Digital spending | Digital asset stock | Transactions | Interactions | Business processes | Market making | Digital spending on workers | Digital capital deepening | | | |
| ICT | | | | | | | | | | 5 | 3 | 4.6 |
| Media | | 1 | | | | | | | | 2 | 1 | 3.6 |
| Professional services | | | | | | | | | | 9 | 6 | 0.3 |
| Finance and insurance | | | | | | | | | | 8 | 4 | 1.6 |
| Wholesale trade | | | | | 4 | | | | | 5 | 4 | 0.2 |
| Advanced manufacturing | | | | | | | | | | 3 | 2 | 2.6 |
| Oil and gas | | 2 | | | | | | | | 2 | 0.1 | 2.9 |
| Utilities | | | | | | | | | | 2 | 0.4 | 1.3 |
| Chemicals and pharmaceuticals | | | | | | | | | | 2 | 1 | 1.8 |
| Basic goods manufacturing | | | | | | | | | | 5 | 5 | 1.2 |
| Mining | | | | | | | | | | 1 | 0.4 | 0.5 |
| Real estate | ● | | | | | | | | | 5 | 1 | 2.3 |
| Transportation and warehousing | ● | | | | | | | | | 3 | 3 | 1.4 |
| Education | ● | | | | | | | | 5 | 2 | 2 | -0.5 |
| Retail trade | ● | | | | | | | | | 5 | 11 | -1.1 |
| Entertainment and recreation | | | | | | | | | | 1 | 1 | 0.9 |
| Personal and local services | | | | | | | | | | 6 | 11 | 0.5 |
| Government | ● | | | | | | | | | 16 | 15 | 0.2 |
| Health care | | | | | | | | | | 10 | 13 | -0.1 |
| Hospitality | ● | 6 | | | | | | | | 4 | 8 | -0.9 |
| Construction | | | | | | | | | | 3 | 5 | -1.4 |
| Agriculture and hunting | | | | | | | | | | 1 | 1 | -0.9 |

Source: McKinsey Global Institute, 2015, *Digital America: A tale of the haves and have-mores*

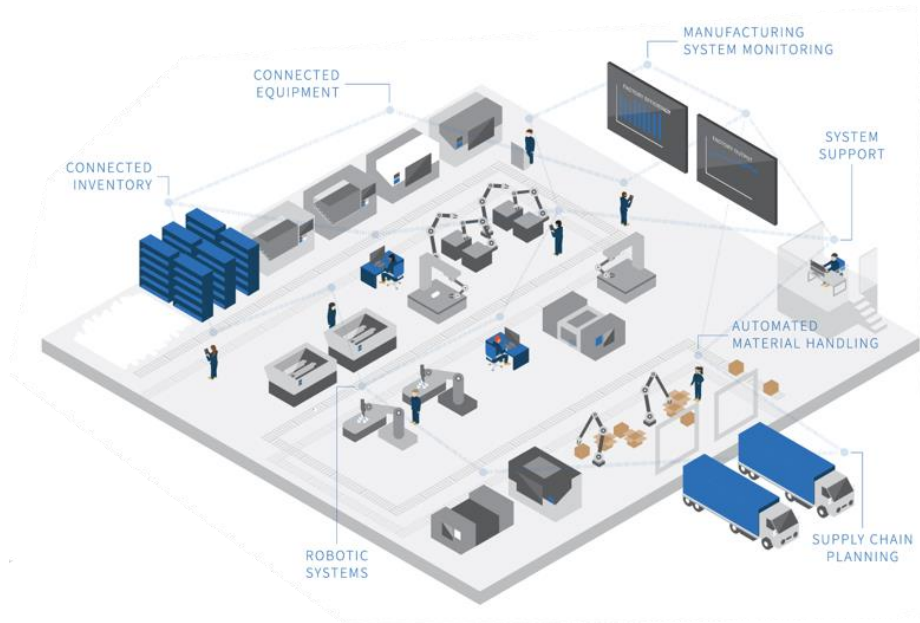
Manufacturing Meets Tech

CHICAGO AS AN ADVANCED MANUFACTURING HUB



DMDII

300+
Partners
& the Future Factory



CHICAGO METRO
METAL
CONSORTIUM



1000 Jobs

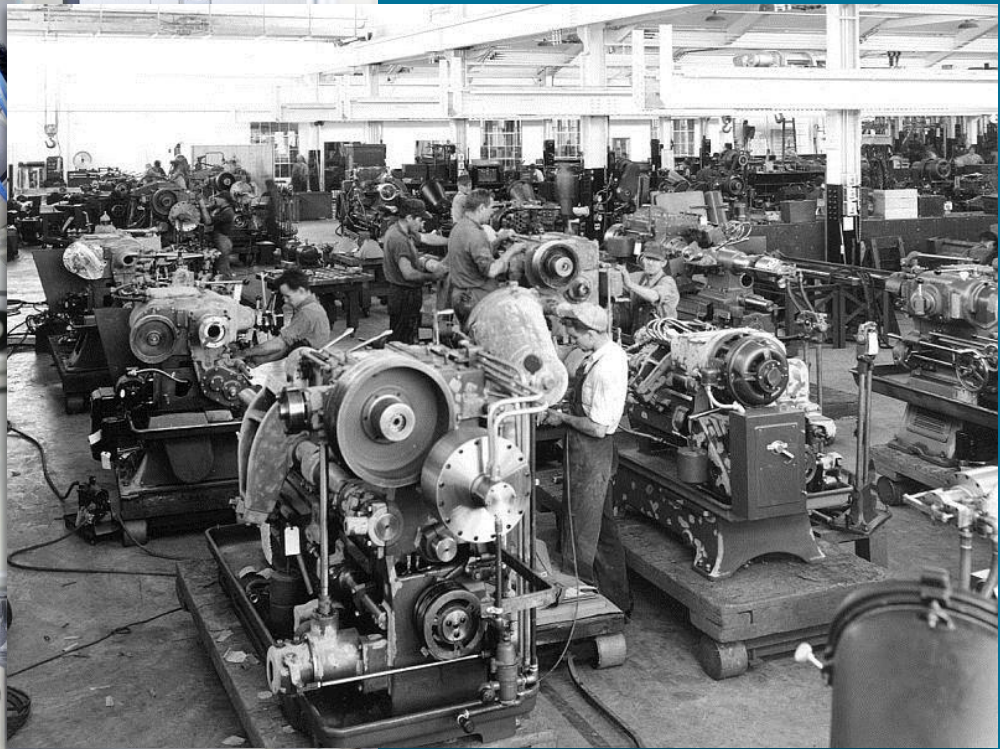


MHUB

mec



CITY COLLEGES of CHICAGO
Richard J. Daley
Education that Works



Chicago's Digital Industrial Future??

BEYOND MANUFACTURING



INFRASTRUCTURE



HEALTHCARE



WATER TECHNOLOGY

CYBERSECURITY