

# 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 <sup>1</sup>	Assets		Usage			Labor			GDP share %	Employment share %	Productivity growth, 2005–14 <sup>2</sup> %
		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										5	4	0.2
Advanced manufacturing					4					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*

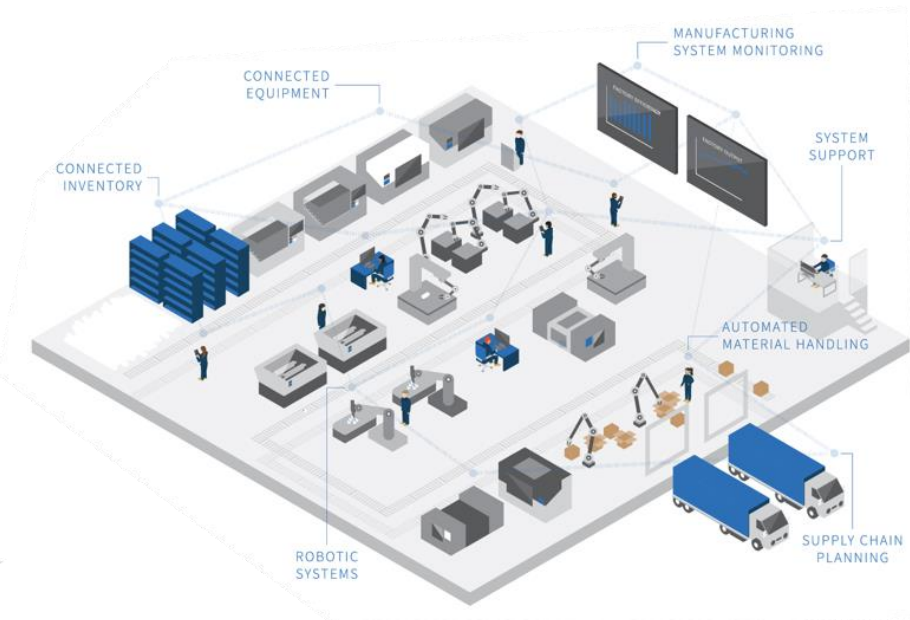
# Manufacturing Meets Tech

CHICAGO AS AN ADVANCED MANUFACTURING HUB



## DMDII

300+  
Partners  
& the Future Factory



CHICAGO METRO  
**METAL**  
CONSORTIUM



1000 Jobs



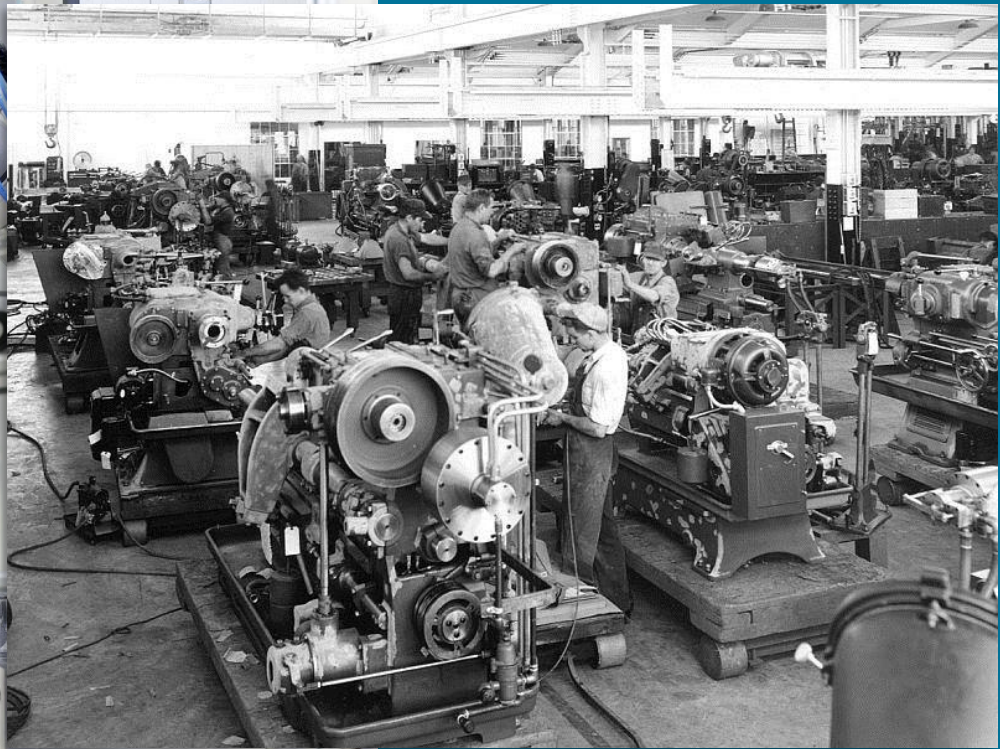
**MHUB**

**mec**



CITY COLLEGES of CHICAGO  
**Richard J. Daley**  
Education that Works







# Chicago's Digital Industrial Future??

BEYOND MANUFACTURING



INFRASTRUCTURE



HEALTHCARE



WATER TECHNOLOGY

CYBERSECURITY