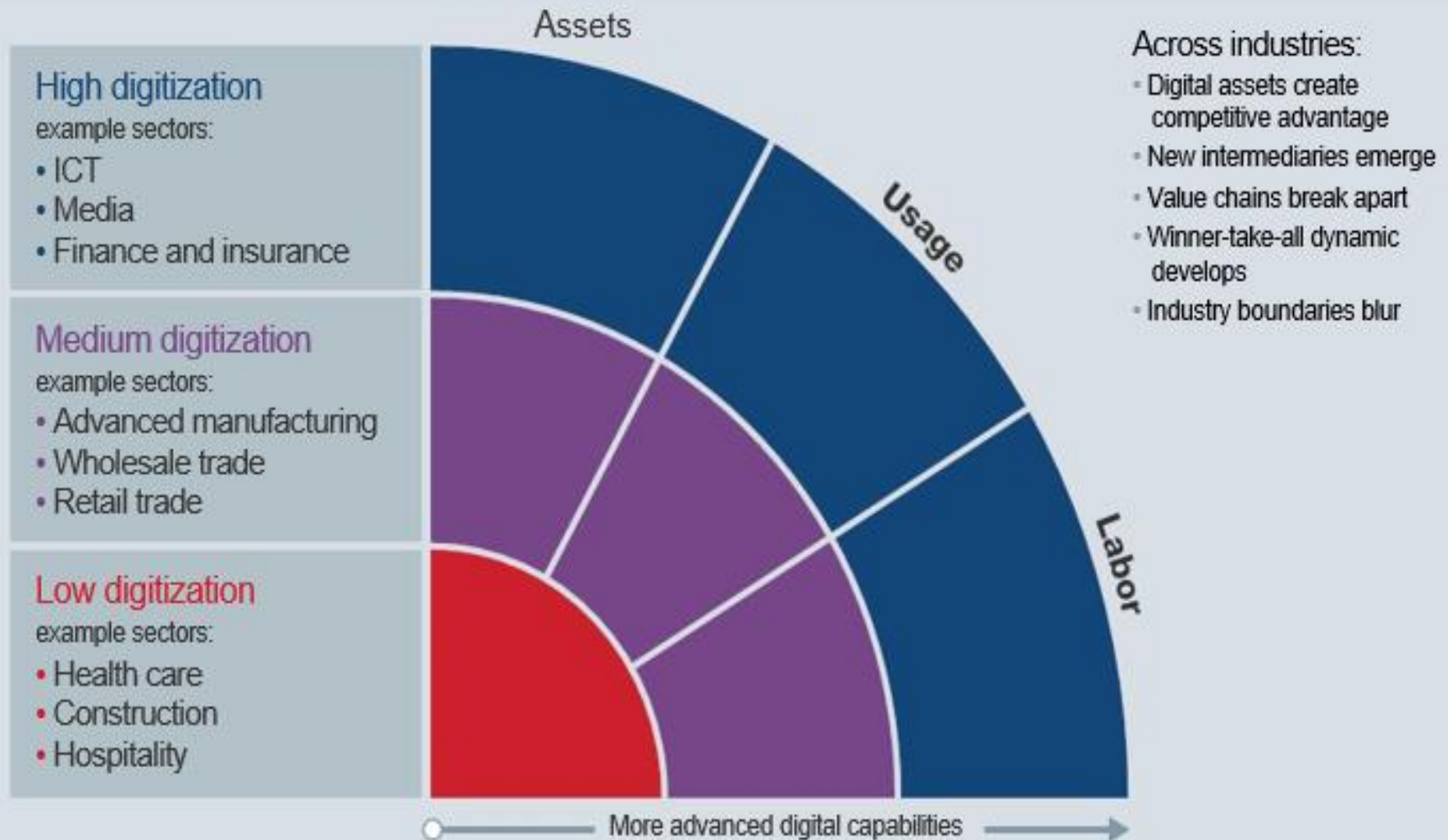


Mckinsey global Institute

Job automation

MGI's Industry Digitization Index combines 27 indicators to measure the digital assets, digital usage, and digital workers in each sector



ICT; information and communication technology

By 2025, three effects of digitization alone could boost annual US GDP by up to \$2.2 trillion

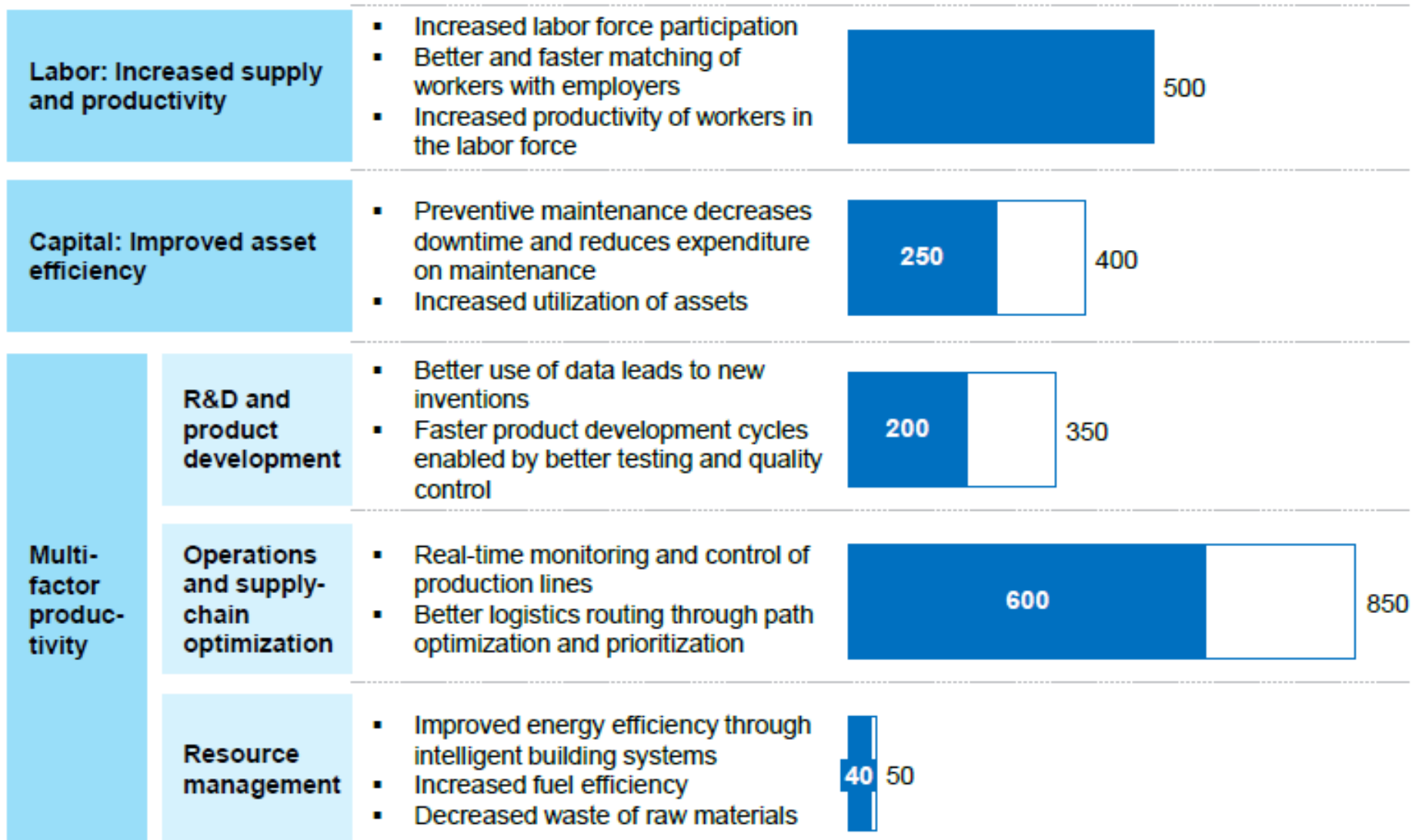


Value of incremental GDP in 2025

\$ billion, nominal

■ Low estimate

□ High estimate



These opportunities alone could add \$1.6 trillion to \$2.2 trillion to annual GDP by 2025. However, this sizing is not comprehensive and only reflects the applications we have analyzed in this report. The potential for technology-fueled growth is much wider.

The MGI Industry Digitization Index

2015 or later

Relatively low digitization  Relatively high digitization

● Digital leaders within relatively undigitized sectors

Sector	Overall digitization ¹	Assets		Usage			Labor			GDP share %	Em- ploy- ment 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										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	●			3						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			6							10	13	-0.1
Hospitality	●									4	8	-0.9
Construction										3	5	-1.4
Agriculture and hunting										1	1	-0.9

- 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 the potential to provide digital tools to their workforce
- 6 Quasi-public and/or highly localized sectors that lag across most dimensions

