

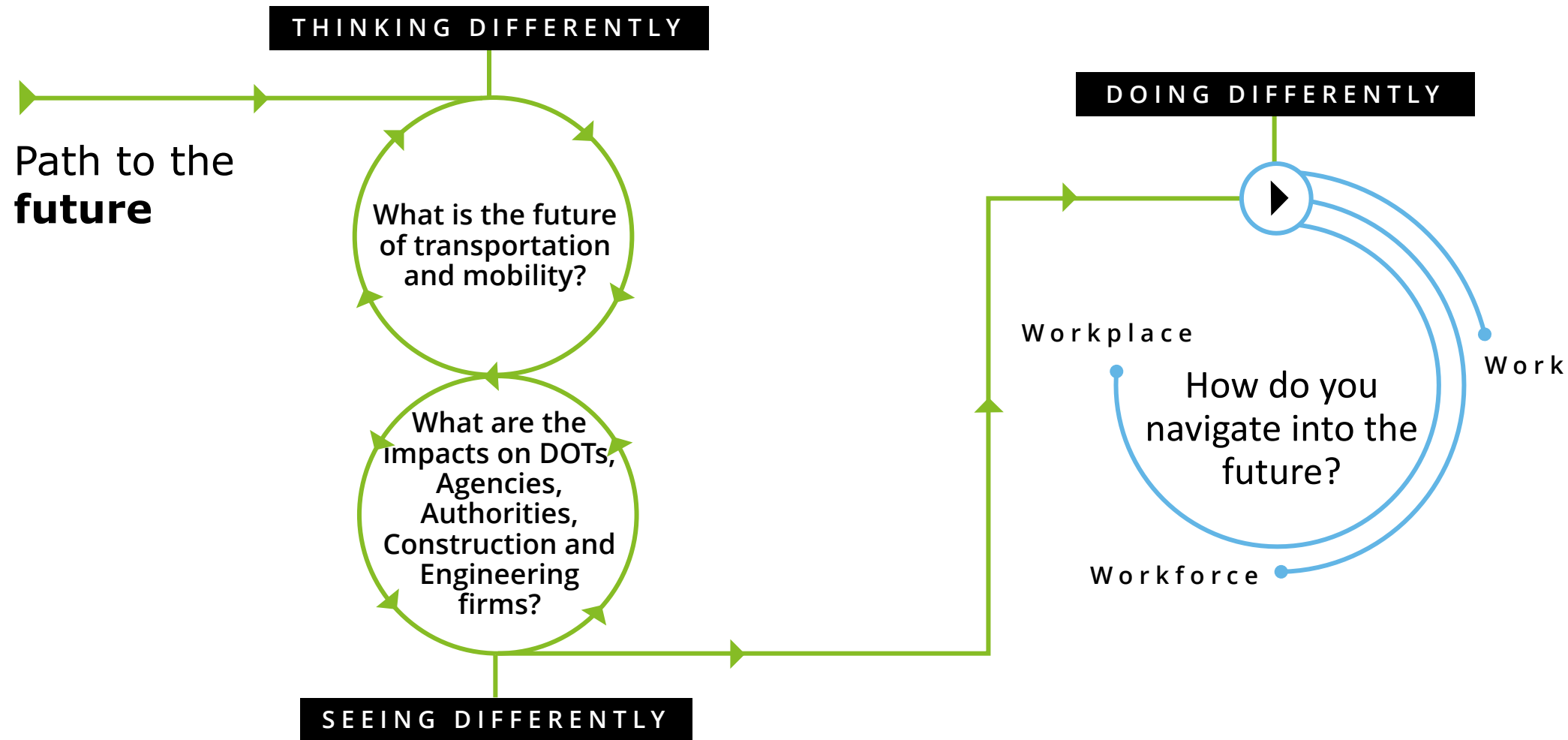


Trends, Technology, Disruptors & the Impact on the Future of Work in Transportation

J. Bryan Nicol - Managing Director, Deloitte Infrastructure & Capital Projects

November 8, 2018

Core Questions for Every Transportation-related Organization



Macro Trends in Transportation

Five macro trends will shape the future of transportation and fundamentally redefine the role of your organization



Social

Mobility preferences are shifting in response to changing demographics – urbanization is decreasing generational demands for personal vehicles and creating diverging needs across urban and rural areas.



Technology

Across the transportation ecosystem, emerging technologies are changing the funding, planning, design, construction and operation of transportation solutions.



Economic

Alternative revenue streams and monetization structures are shifting investment strategies and enabling new technologies.

Macro Trends in Transportation

Five macro trends will shape the future of transportation



Environmental

Global recognition of resource dependencies and environmental impacts are putting pressure on transportation agencies and driving the development of alternatives.

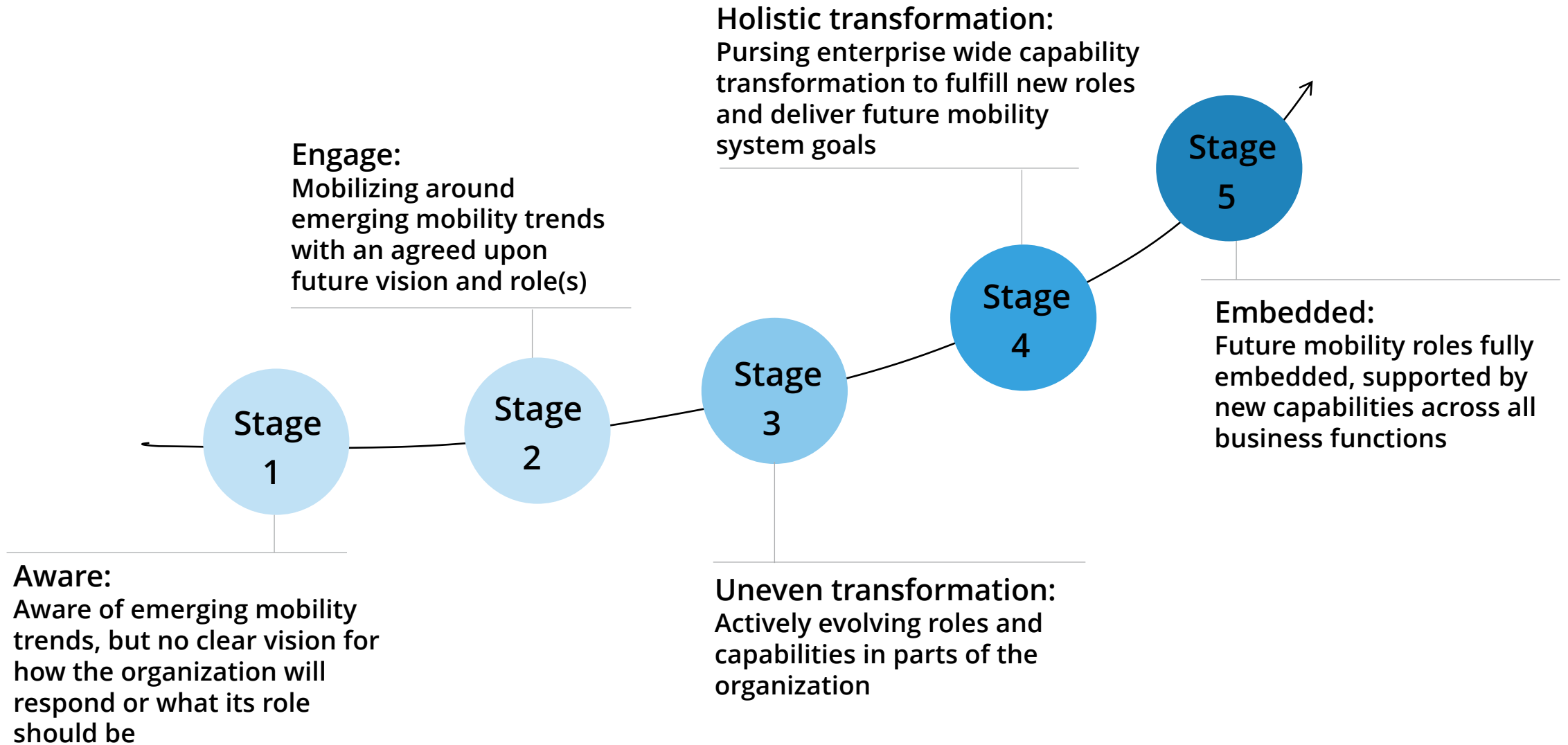


Government

Government is increasingly expected to integrate data, digital, and design to deliver transparent services, facilitate economic development and enhance quality of life.

Future of Mobility Maturity Curve

The Organizational Path to Embracing Change in the Future of Mobility



Three Dimensions of the Future of Work

Shifts will occur across all three dimensions



WORK

The fundamental nature of the activities performed by both humans and machines to achieve organizational goals



WORKFORCE

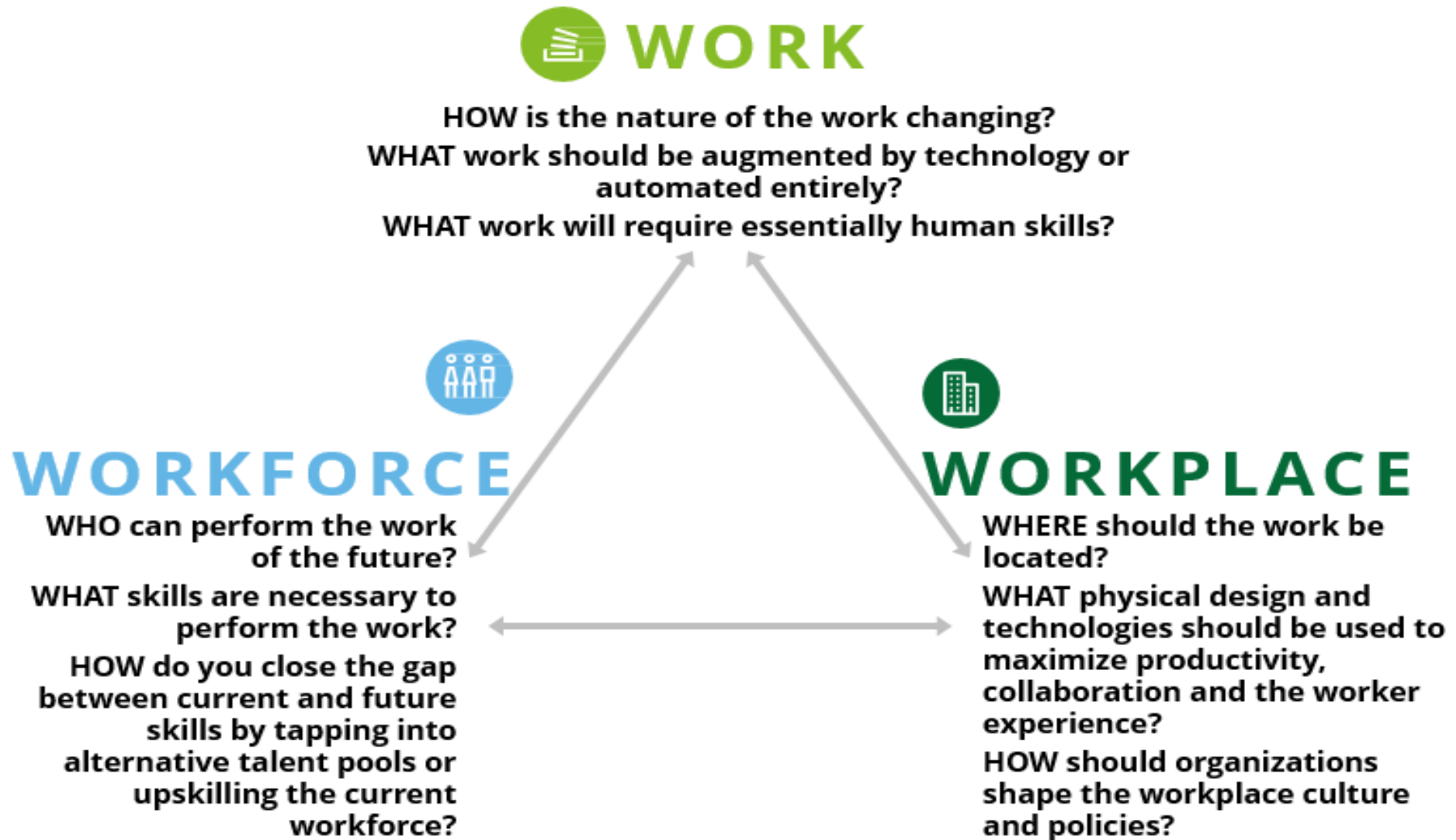
The portfolio of talent and skills (not just full time employees – think gig workers and crowdsourcing too!) to perform the work



WORKPLACE

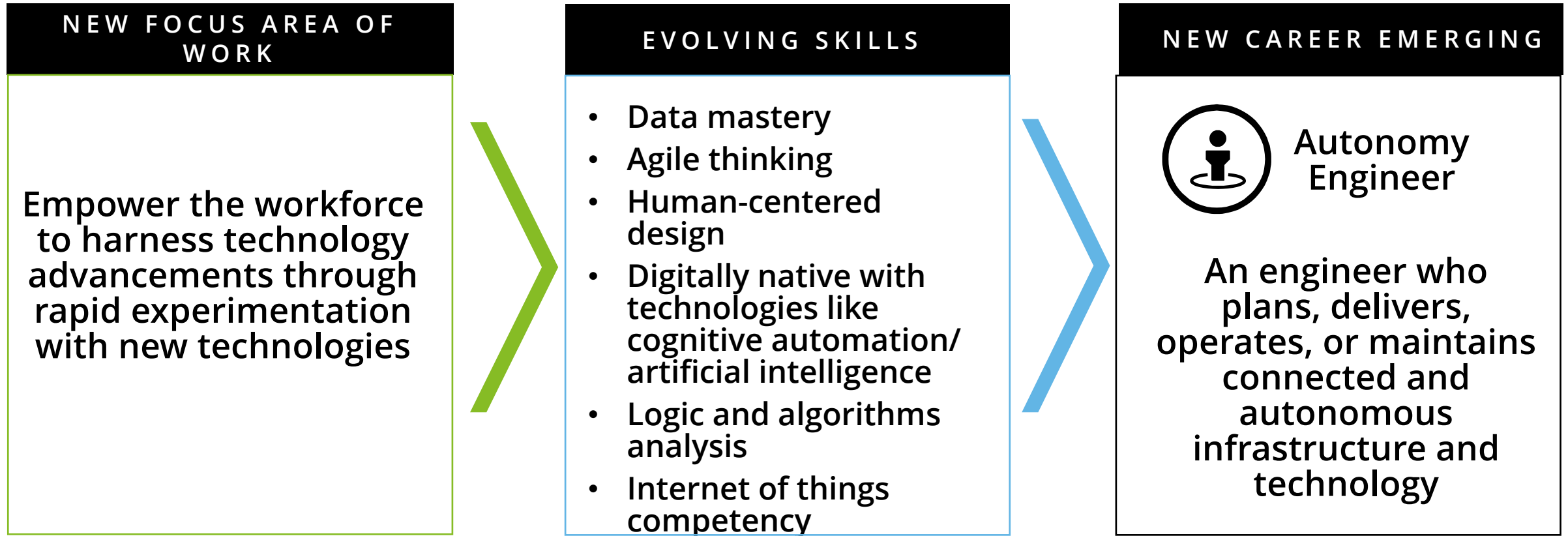
The physical and virtual structures and practices utilized to maximize collaboration, productivity, and consistency of the talent experience

Three Dimensions of the Future of Work



A Sample “Net New” Career

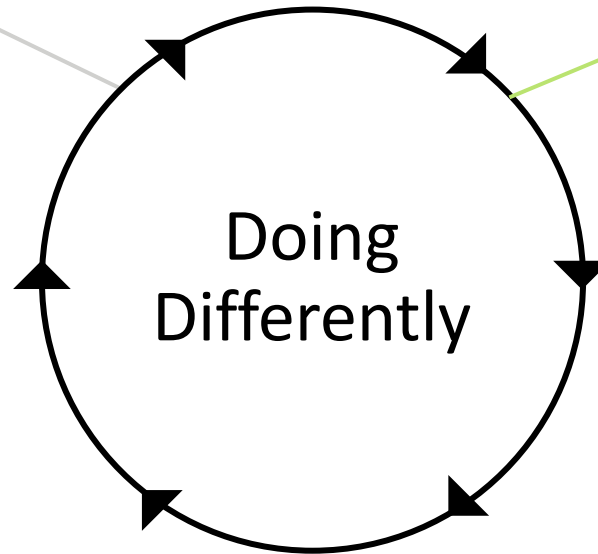
An Autonomy Engineer is an illustrative example of a “net new” career resulting from emerging technologies



Your Choice in a Complex Future of Constant Change

Status Quo

- the choice to manage reactively
- this choice promises inefficiency, unrealized performance, and organizational chaos.



Bold and Proactive

- the choice to lead proactively
- this choice delivers new work, increased efficiencies and a new workforce skilled to meet the demands of your customers



QUESTIONS ?



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QUESTIONS?



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