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Experience certainty.

The Impact of Disruptive Technologies on Global Fleet Management

Kevin Mulcahy

June 2017

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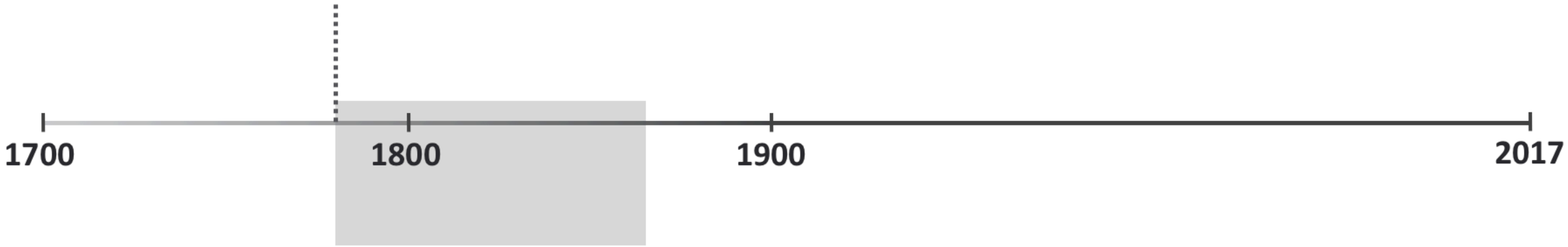
Steam Engine



First Industrial Revolution

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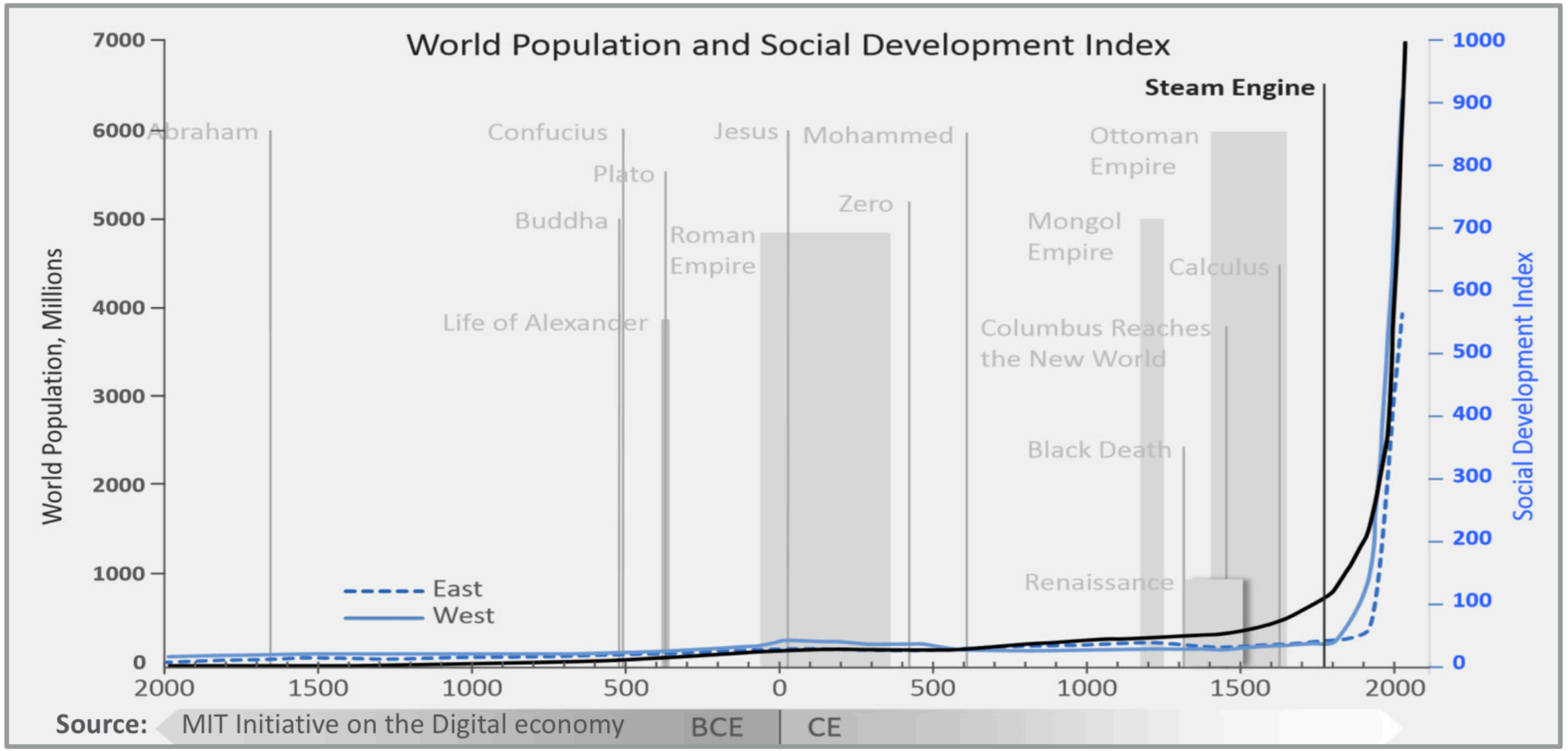

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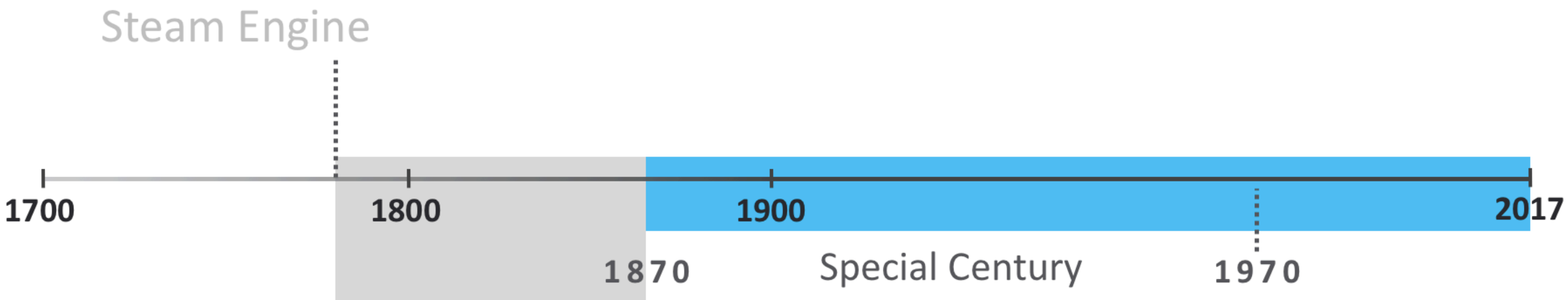

First Industrial Revolution

Second Industrial Revolution

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ONE HUNDRED YEARS

The Journey to the Current **Standard of Living**

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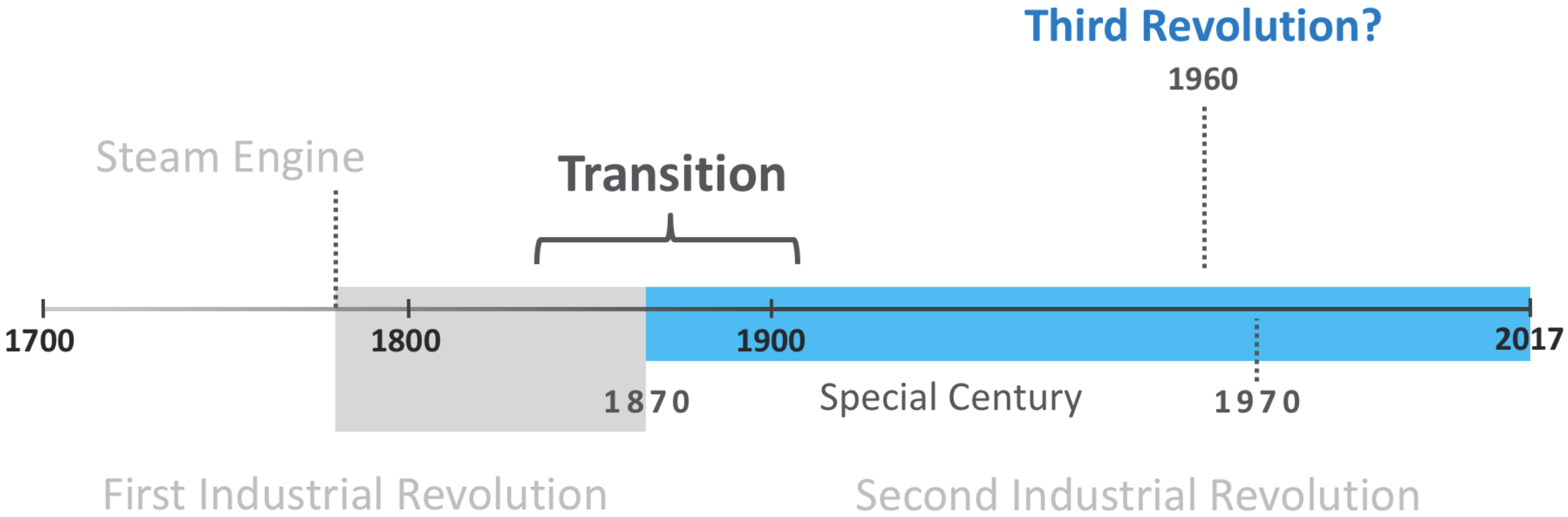

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REVOLUTION?

How much of our well-being was impacted?

What was the impact on GDP?

Did our energy, communication, and transport paradigms change?

Has our **current generation of leaders** truly experienced a revolution?

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1st Industrial Revolution

TRANSPORT
Locomotives, Steamships

COMMUNICATIONS
Printing, Telegraph

ENERGY
Coal, Steam

2nd INDUSTRIAL REVOLUTION

COMMUNICATIONS
Telephone, Radio, Television

TRANSPORT
Internal Combustion Vehicles on National Roads

ENERGY
Electricity, Oil

THE NEXT REVOLUTION

ENERGY
Renewable, Distributed, Internet of Things

COMMUNICATIONS
Internet, Social, Mobile, Apps, Bots

TRANSPORT
Electric Autonomous Vehicles, Internet of Things, Access

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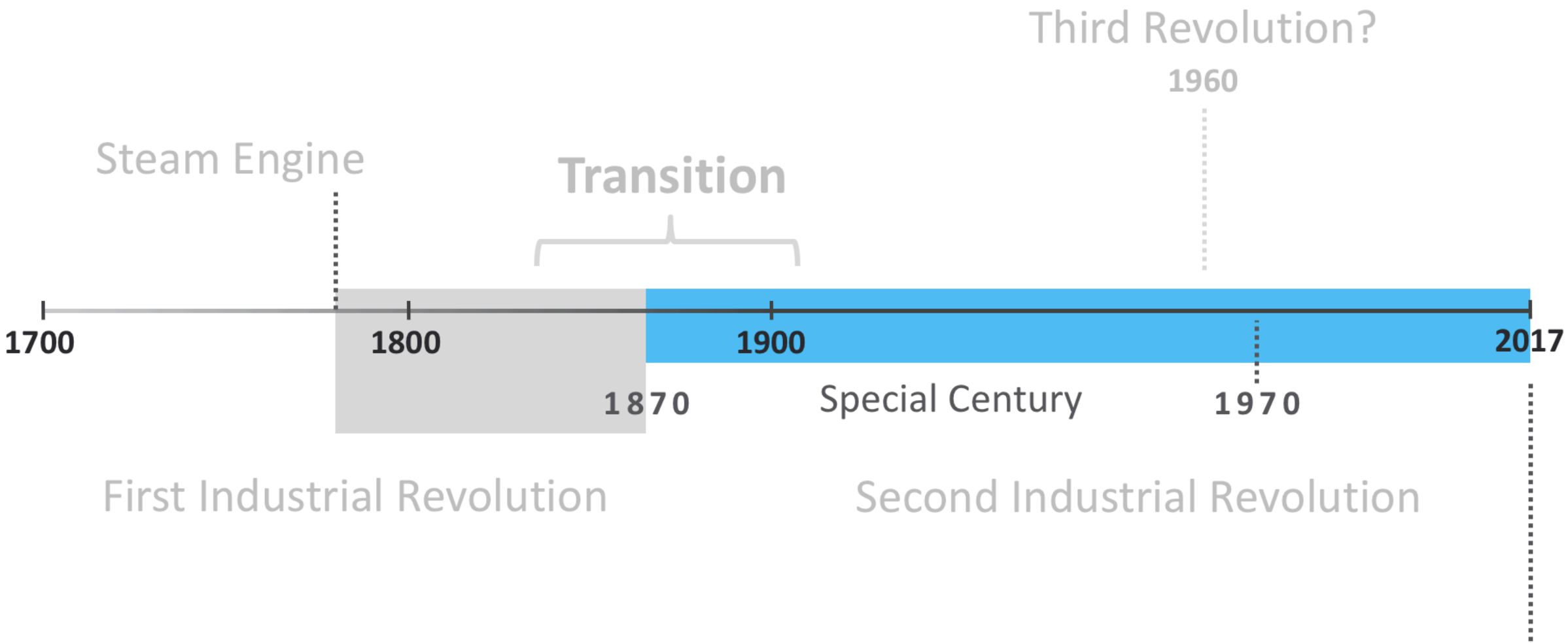

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"The speed of current breakthroughs has no historical precedent. When compared with previous industrial revolutions, the **Fourth** is evolving at an **exponential** rather than a **linear** pace"

Klaus Schwab, Founder and Executive Chairman of the World Economic Forum

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THE NEXT REVOLUTION

- General Purpose Technology Platform
- Convergence of Paradigm Shifts
- Linear to Exponential Shift

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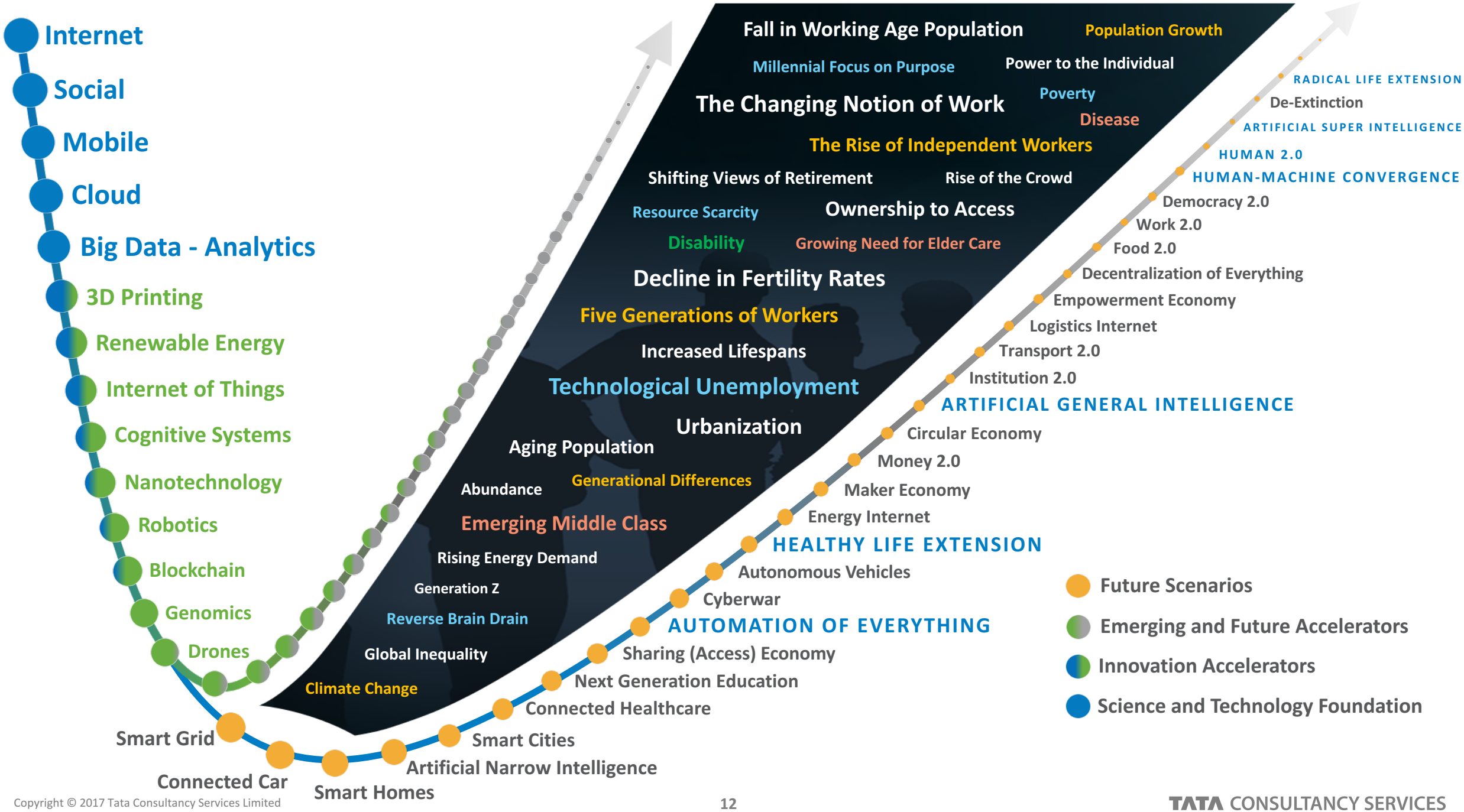

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THE CHALLENGE OF PACE

Science, technology and societal change are moving faster than our ability to adapt

RIGHT BRAIN

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LEFT BRAIN

Pattern perception
Detail oriented
Reality-based
Sequential
Analytical
Practical
Cautious
Rational
Planned
Stability
Orderly
Control
Logical

RIGHT BRAIN

Emotional intelligence
Social intelligence
Holistic thinking
Compassion
Imagination
Judgement
Perception
Risk taking
Reasoning
Creativity
Synthesis
Empathy
Intuition

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FUTURE SKILLS PROFILE

Creative

Curious

Imaginative

Explorers

Problem solvers

Continuous learners

Dot connectors

Status-quo challengers

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FACETS OF THE NEXT REVOLUTION

- Purpose
- Value
- Structure
- Scenarios
- Ethics
- Viability

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FUTURE THINKING

Pace

Uncertainty

Volatility

Complexity

Unpredictability

The unexpected

The future is approaching faster than people think

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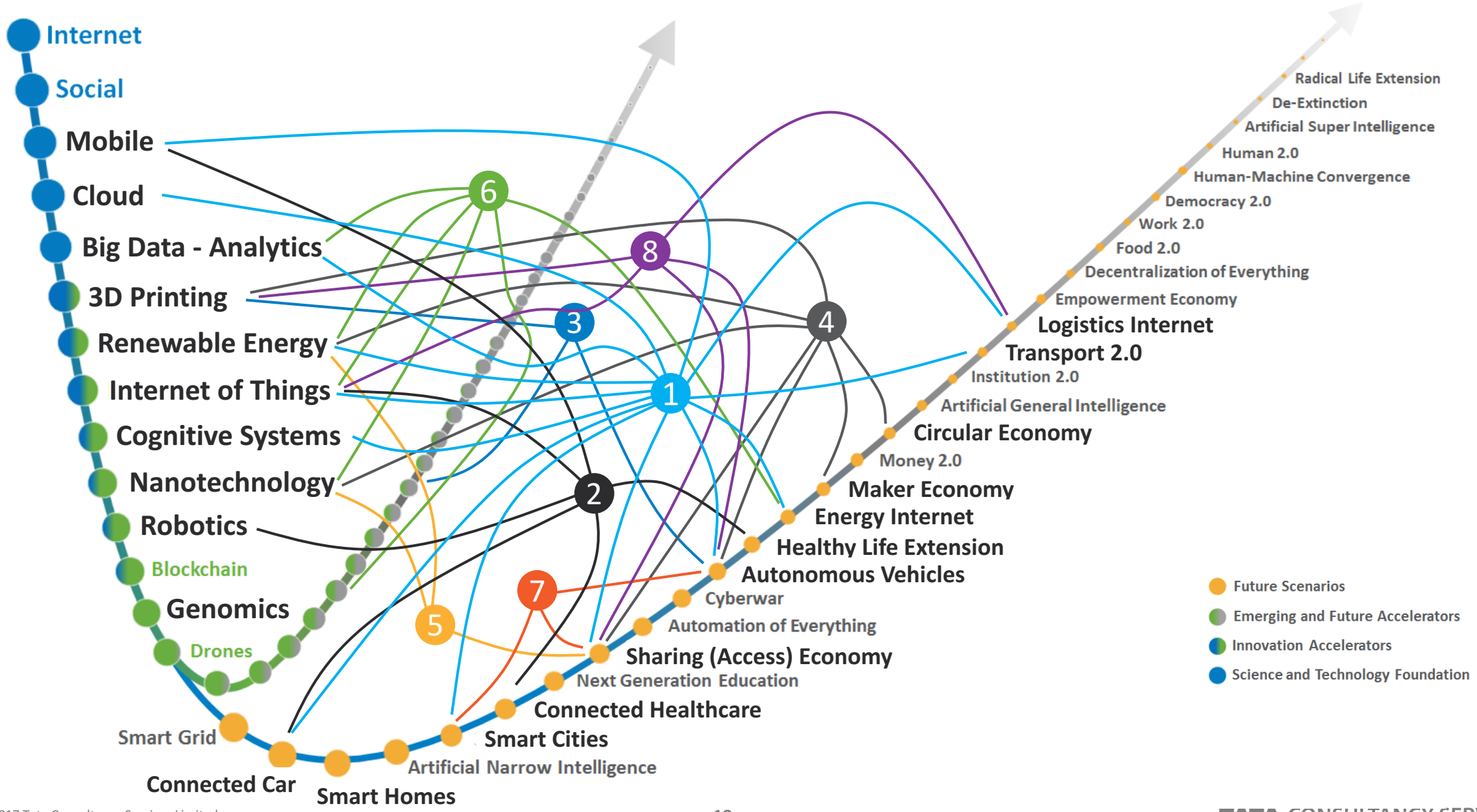
Intersections Amplify Both Power and Impact



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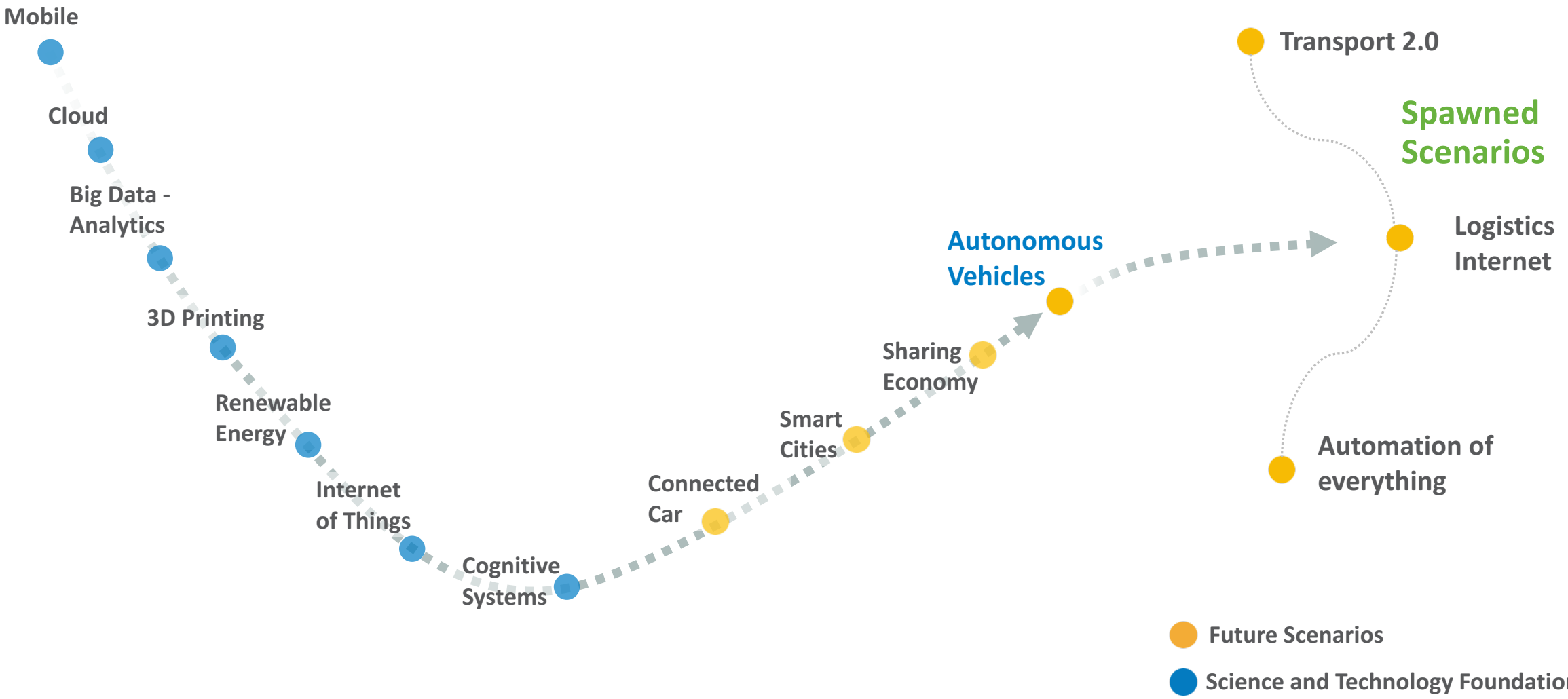
Connecting Dots



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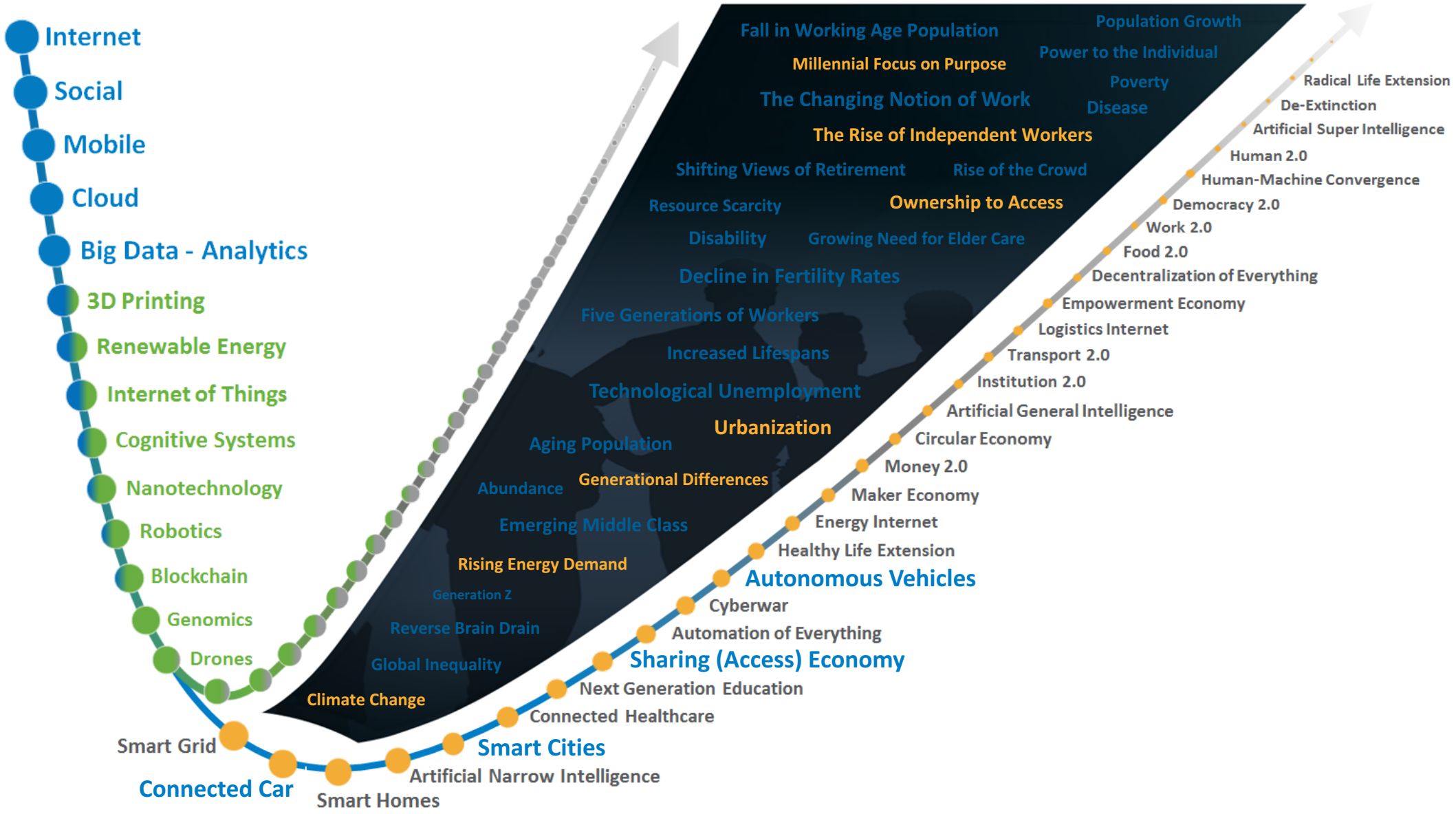
The Reciprocal Nature of Societal Factors



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