The Fourth Industrial Revolution

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Agenda

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Key Questions for Leaders
Shaping the Future
The World Economic Forum – committed to improving the state of the world – is the International Organization for Public-Private Cooperation.

The Forum engages the foremost political, business and other leaders of society to shape global, regional and industry agendas.
The Forum: the Multi-Stakeholder platform

International organization:
Founded by Prof. Klaus Schwab in 1971.

Impartial:
tied to no political, partisan or national interests.

Global:
Based in Geneva, with offices in New York, Beijing, Tokyo, and San Francisco.

Multi-stakeholders:
A holistic, multi-stakeholder platform where leaders from business, government, civil society and academia connect and collaborate to improve the state of the world.
Leaders search for answers to increasingly complex questions.

At Annual Meeting in Davos 2017

**BEFORE**

Will my organization be disrupted?

**NOW**

When is disruption coming?

What form will it take?

How can I prepare myself and my organization?
THE FOURTH INDUSTRIAL REVOLUTION
The Fundamental Transformation

New technologies
New powers
New responsibilities
Think systems, not technologies
Empowering, not determining
By design, not by default
Values as a feature, not a bug
Key thoughts for Japan

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By design, not by default

Values as a feature, not a bug

Products become means to shape the society, not purpose.

The possible consequences of products to the market matter.

There is no single future. Multiple future options with scenario thinking.

Enriching the human dignity at your center of the solutions
The Forum’s 14 Key Strategic Focuses

- Consumption
- Economic Growth and Social Inclusion
- Education, Gender and Work
- Energy
- Environment and Natural Resource Security
- Financial and Monetary Systems
- Food Security and Agriculture
- Health and Healthcare
- Information and Entertainment
- International Trade and Investment
- Long-Term Investing, Infrastructure and Development
- Mobility
- Production
- The Digital Economy and Society
Fundamental Transformation in Production

Production is more than manufacturing:

- Design
- Source
- Manufacture
- Assemble
- Distribute
- Consume
- Service
- End of use-cycle

Why production matters:

- ~30% Global GDP contribution
- +850 million Jobs worldwide
- >70% Global innovation (patents)
- ~30% Global GHG emissions
Drivers Shaping the Future of Production

1. Technology and innovation
2. Regulations and governance
3. Global economy, trade and investment
4. Natural resources and sustainability
5. Human capital and skills
6. Consumer expectations
In the space of a decade (from 2020 to 2030) AI moves to the epicenter of the production calculus.

Rampant populism and unbridled protectionism translate into a profoundly uneven landscape for global production.

Massive supercomputers and AI mobilized in support of addressing global challenges.

Pressure is for strong support of local production, customization and the pursuit of the circular economy.
Frameworks to manage the Fourth Industrial Revolution’s waves of transformation

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Values as a feature, not a bug.
Are you ready?
Thank you.

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