Digital transformation

The Fourth Industrial Revolution

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The Future X Network

We are at the dawn of an era in networking that has the potential to define a new phase of human existence.

This era will be shaped by the digitization and connection of everything and everyone with the goal of automating much of life, effectively creating time by maximizing the efficiency of everything we do and augmenting our intelligence with knowledge that expedites and optimizes decision-making and everyday routines and processes.
<table>
<thead>
<tr>
<th><strong>The Fourth Industrial Revolution</strong></th>
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<td><strong>Learning from the past</strong></td>
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<th><strong>1760 – 1820</strong></th>
<th><strong>1870 – 1915</strong></th>
<th><strong>1980 to present</strong></th>
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<td>Shift from production by hand to mechanical, with the increasing use of steam power.</td>
<td>Mass production enabled by electrification led to a sharp increase in economic growth and productivity. Living standards improved again. But this revolution also caused temporary unemployment until workers could be absorbed into new and growing sectors.</td>
<td>Shift to the “Information Age”. Mainframe computing, personal computers and the internet increased efficiency, task speed and access to information, while creating many new jobs that require specific IT skills.</td>
<td>Digitalization and interconnection of all physical elements and infrastructure controlled by both humans and advanced intelligent systems. Builds on the developments of the Third Industrial Revolution, and will impact all sectors and value chains across physical, digital and biological domains.</td>
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Technologies

Robotics and Automation
Physical or virtual robots used is almost all branches of industry and human life.

Data Science and Artificial Intelligence
Transformation on how decisions are made in business, government, individuals and healthcare.

Advanced Connectivity
Will provide virtually unlimited bandwidth with extremely low latency.

Combined Technologies
Creating digital infrastructures to transform economies and societies.
Energy, Health and sanitation, Transportation, Communication, Production
Preparing society

• New policies need to address future generational needs in the context of the Fourth Industrial Revolution.

• Action should begin now to mitigate possible risks.

• It is necessary to create a common understanding of the opportunities and challenges.

• This understanding is the basis for the creation of the new policies, processes, ethical principles, legal frameworks and governance structures aimed at ensuring a human-centric and sustainable approach.
All stakeholders should do their utmost to prepare society for the Fourth Industrial Revolution

• The Fourth Industrial Revolution has the potential to make the world safer, more livable, and to help us solve some of humanity’s greatest challenges.

• Governments, institutions, industry and all other stakeholders need to assume the responsibility to communicate the expected benefits and changes.

• This means not only looking at the economic potential, but also at the personal and social benefits:

• Policies to mitigate the risks associated with upcoming labor disruptions need to be created in a timely fashion.