

Legislation on Transformation for Green Digital Economy

- focusing on Smart Green
Industrial Complex -

2022. 10. 21.

Eunhye Jang(Korea Legislation Research Institute)

Contents

1. The Government's Role in Transition to Green-Digital Economy
2. The Roles of Industries in The Transition and Model Example: The Smart Green Industrial Complex
3. Status and Prospect of Legislation for Green-Digital Economy Transformation in Korea

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the slide, creating a modern, layered effect. The text is centered on the left side of the slide.

1. The Government's Role in Transition to Green-Digital Economy

1. The Government's Role in Transition to Green-Digital Economy

“Green - Digital”

Two Pillars of the Korean Version of the New Deal



“Environment-Friendly” + “Convergence of Cutting Edge Technologies”

Transition to Green-Digital Economy



Simultaneous Consideration of
“Deregulation” and “Heavier Regulation”



The Government's Leadership Required

1. The Government's Role in Transition to Green-Digital Economy

Deregulation

<Transition to the Digital Economy >

Revitalization of high-tech industry
necessary to respond to issues and situations that the existing administrative management system has not expected

Trying to ease various regulations through the introduction of regulation-exemption

Simultaneous
Consideration

Heavier Regulation

<Transition to the Green Economy>

Transition to an eco-friendly economic structure

Strengthen management and supervision of existing pollutant emission facilities and introduce a new management system, etc.

- in order to transition to a green-digital economy, the government should be able to rationally review “regulatory measures” and operate them appropriately.

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the slide, creating a modern, layered effect. The text is centered on the left side of the slide.

2. The Roles of Industries in The Transition and Model Example: The Smart Green Industrial Complex

2. Example of Transition to the Green-Digital Economy: Smart Green Industrial Complex

<Smart Green Industrial Complex>

<Smart Industrial Complex>

<Existing Industrial Complex>

- Innovation in manufacturing
 - Promoting capability of business entities

- build a digital infrastructure
- Create a new industry/support for start-ups

- The digital new deal: build logistics/integrated control center
- Green new deal: high energy efficiency, environment-friendly industrial complex

<<Expansion of the concept of industrial complex innovation project: refer to “Smart Green Industrial Complex”, the website of Korea Industrial Complex Corporation>

“Smart Green Industrial Complex

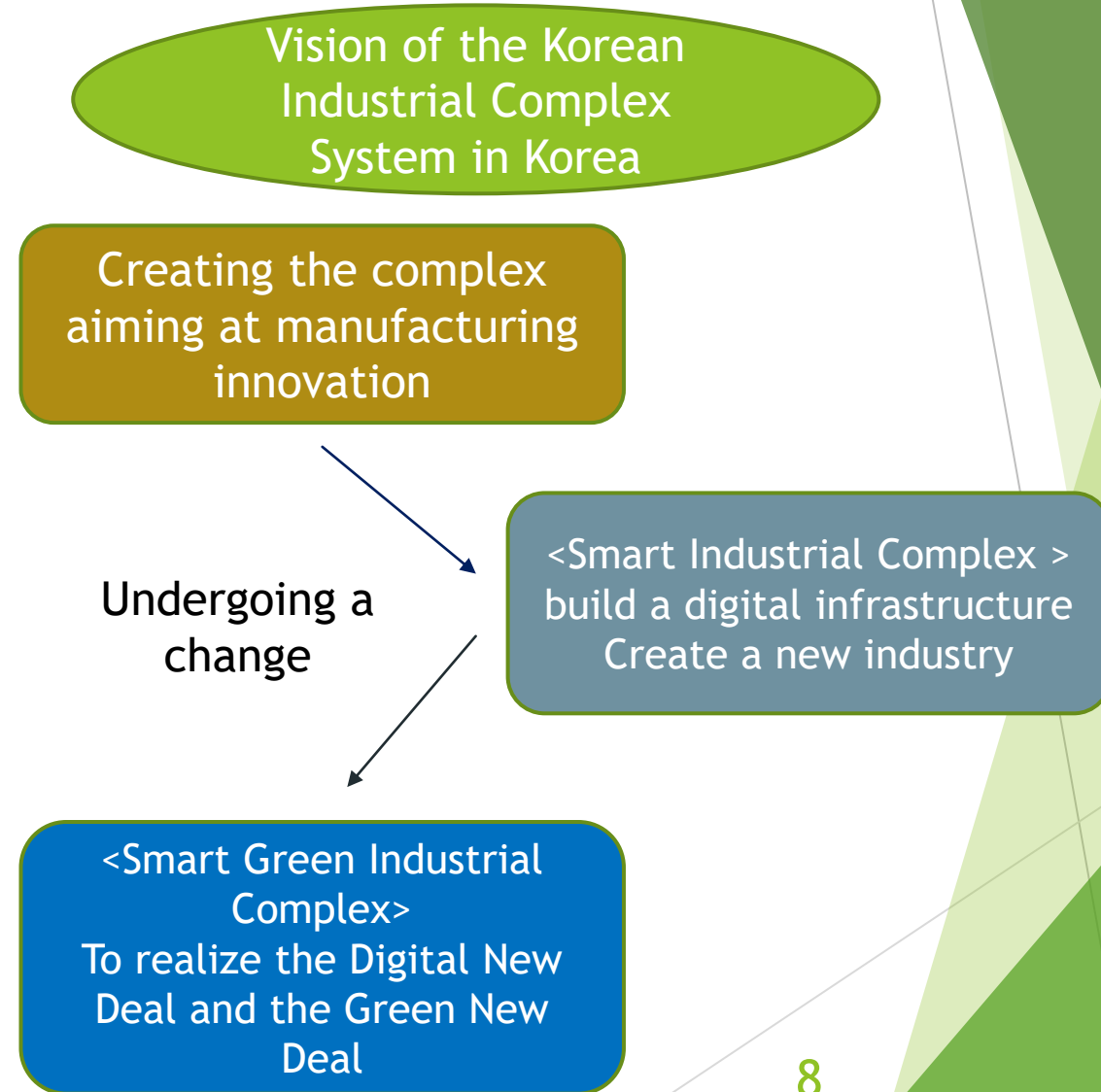
Beyond the smartization of individual companies, which is the basic stage of manufacturing innovation, and the smartization of industrial complexes, which is the development stage, an innovative industrial complex that combines digital and green, which is an advanced stage.

2. Example of Transition to the Green-Digital Economy: Smart Green Industrial Complex

- The Korean Smart Green Industrial Complex Project is still in “**planning and initial implementation stages**”

- It is too early to introduce the transition to green-digital economy as a completed project

- Significances of the project is that
- One of the areas clearly showing the vision of the industry's role for transition to the green-digital economy



The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the slide, creating a modern, layered effect.

3. Status and Prospect of Legislation for Green-Digital Economy Transformation in Korea

3. Status and Prospect of Legislation for Green-Digital Economy Transformation in Korea

Law

- Sign and a mean to present clear standards of deregulation and heavier regulation

Laws and acts relevant to the green-digital economy in Korea

- Framework Act on Carbon Neutrality and Green Growth For Coping with Climate Crisis
- Industrial Sites and Development Act
- Framework Act on Administrative Regulations
- Industrial Convergence Promotion Act
- And others

3. Status and Prospect of Legislation for Green-Digital Economy Transformation in Korea

Framework Act on Carbon Neutrality

- “Policy Measures For Green Growth”
 - Development of Cluster and Complex of Green Technology and Green Industries

Industrial Sites and Development Act

- Definition of “Smart Green Industrial Complex”
- Designation of Smart Green Industrial Complex

- Reasonable rearrangement of regulation means are prerequisite for successful settlement and spread of the smart green industrial complex
- Vitalization of a new growth engine through deregulation,
- At the same time, heavier regulations should be placed to meet environmental requirements

3. Status and Prospect of Legislation for Green-Digital Economy Transformation in Korea

- Additional institutional support
- Use of Reasonable Regulatory Measures

Existing industrial complexes created based on Industrial Sites And Development Act

- Clustered with energy intensive plants and facilities with high greenhouse gas emission and

transition

▪ Transforming the completed industrial complex currently in operation

- Overcome environmental weakness & transition to the green and digital economy

+

Create a brand new Smart Green Industrial Complex

Thank You!