Green New Deal and Cities in South Korea

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Korea Environment Institute
Korean New Deal

Korean Green New Deal Project

Digital New Deal
- DNA: Ecosystem Strengthening
- Untact Industry Fostering
- SOC Digitalization

Green New Deal
- City-Space-Life Infra’s Green Transition
- Green Industry Innovation Establishment
- Low Carbon-Dispersive Energy Diffusion

Strengthening the Employment Safety Net

Financial Investment

System Improvement

DNA: Data, Network, and A.I.

Korean Government (2020.7)
# Korean New Deal

## Green New Deal: Infra Energy Green Transition + Green Industry Innovation → Net Zero Society

<table>
<thead>
<tr>
<th>Area</th>
<th>Project</th>
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<tbody>
<tr>
<td>City, Space, Life Infra Green Transition</td>
<td>Transforming public facilities close to people's life into zero energy</td>
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<td>Restoring damaged ecosystem in land, ocean and cities</td>
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<td></td>
<td>Establishing clean and safe water management system</td>
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<td>Low Carbon, Dispersive Energy</td>
<td>Increasing energy management efficiency, Building an intelligent smart grid</td>
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<td>Establishing a foundation for spreading new and renewable energy and supporting fair conversion</td>
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<td>Increasing green mobility including electric car and hydrogen car</td>
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<td>Green Industry Innovation Ecosystem Building</td>
<td>Fostering green leading promising companies, Low carbon green industrial complex furtherance</td>
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<td>Laying the foundation for green innovation in R&amp;D and finance</td>
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## Korean New Deal

### Green New Deal:
**Green transition in City, Space, Daily life Infra**

<table>
<thead>
<tr>
<th>Project</th>
<th>Major Contents</th>
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<tbody>
<tr>
<td>Zero-energy for public facilities</td>
<td>Achieving zero-energy through public building remodeling</td>
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<td>Green smart school: public school first, applying to the old ones</td>
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<td>Recovery of green ecosystem on land, in Ocean and Cities</td>
<td><strong>Smart Green City: Customized environment improvement</strong></td>
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<td>Urban forest: mitigating fine dust pollution, child safety</td>
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<td></td>
<td>National ecosystem: ecosystem restoration and protection of endangered species</td>
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<td></td>
<td>Marine ecosystem: restoration of wetlands, marine waste management</td>
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<td>Establishing a clean &amp; safe water management system</td>
<td>Smart water supply: Smart water management in the entire process</td>
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<td>Drinking water management: Advanced water treatment plants and</td>
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<td>Enhancing deteriorated water supply systems</td>
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<td>Water quantity-quality management: Integrated management of water supply sources</td>
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<td>and creating ecological waterways</td>
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<td></td>
<td>Climate risk management: Tributary flood forecasting system, seawater desalination</td>
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Cities and Green Transition

New Trend in Urban Policy
Strengthen sustainability and resilience

Transition Towns Movement
Focus on local communities
Community based green transition
Overcome climate and energy crisis
Improve urban resilience

Europe
Derive solutions to climate and environmental crises centered on the city (combination of smart and green)

South Korea
Start promoting green transition
Declared climate crisis by local governments
Cities and Green New Deal

Vision and Goals

- Sustainable Development
  - Environment, Life quality, Safety etc.

Smart Technology

- Climate: Low Carbon, Net zero
- Ecological Capacity: Net Increase

- Human Centered
- Smart, Green Deal
  - Data, AI, Smart grid, Sensor etc.
- Process
  - Long term, Feedback

Important in post-covid19 era
Cities and Green New Deal in Korea

- **Smart Green City**
  Green transition led by local community and supported by government

- Contents examples of Smart Green City

  - **Urban Resilience**
  - **Low Emission**
  - **Ecosystem Restoration**
  - **Human Centered**

  - Business Innovation  Create Synergy by linking segmented environment improvement measures
  - Expansion of Good Practices  Develops smart city models, then the practices will be gradually applied to the entire nation and also globally
Cities and Green New Deal in Korea

- **Smart Green City Business Model**
  Cities that link various environmental improvement items and create synergy within urban spaces
Cities and Green New Deal in Korea

- **Era of Climate and Environmental Crisis**
  - Requires **Green Transition** of Cities

  **Green Transition of Cities**
  **Start with Smart Green Cities**

- **Collecting 25 Case Cities of Good Practices**
  - Two types
    - Problem Solving Types: Solve single or a few main issues in the city
    - Comprehensive Leading Types: Address multiple urban issues, create synergy

25 cases

Entire Country

Worldwide
Thank you!!!

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