



Glocal

A city that provides an excellent living environment combining the rich lifestyle and culture of rural Japan with next-generation, cutting-edge technology and that attracts the world's people.

Tohoku Life
Attractive local life
Sake and Food culture of Tohoku
Activities in Tohoku 4 seasons
High quality hotel and hot spring

Action2025
Collaboration with advanced medical centers, Medical tourism
intake of high-level foreign human resources and affluent people and local medical care (securing treatment opportunities for local residents, high-level medical personnel, and ensuring sustainability of local medical management)
Area for Next-Generation Mobility Society Implementation
Resolving issues such as the transportation of vulnerable people and new lifestyles through innovative transportation technology

high-tech. medical facility such as radiation therapy
Cancer therapy
Cancer research society
Kanazawa medic tourism
Image of next gen. mobility (AAA report)
automatic operation, eVTOL, Drone

Vision2035 Sustainable living with the advantages of rural areas.
■ ILC waste heat community
■ ILC researcher QOL innovation
■ Wood First sustainable forest management
■ carbon neutral Wood Resources
■ ILC researcher QOL innovation
Farm Dwelling
■ startup incubation
■ Demonstration site provided
- medical, health
- education
- next gen. mobility
- digital rural city
- Society5.0

Wood chip Abandoned farmland (the ILC)
To Smart agriculture (the ILC)
Biomass
Solar
Factory
Hot spring
Wood house
All wood construction
Old private houses and dispersed hotels ~ 200~300 units
Utilization of Existing Urban Areas
Green field farmland
Residential area
Wood building
circle-shops
sports facility
Trans. Hub
eVTOL
old town

■ Secured living environment for ILC researchers by utilizing existing old houses

Innovation

Global innovation hub that continues to produce innovative and highly-skilled human resources with a global perspective and lead the world

World level research institutes are already in Tohoku
Accelerator industries, users, institutes,
2024~ NanoTerasu
2023~ Fukushima inst. for Research Education and Innovation(F-REI)

Action2025 Fostering human resources who can play an active role in the next generation and be recognized around the world

Both prestigious and regional schools promote International Baccalaureate accreditation
Trad. school IB/Dorm.
Mixed school IB/ Returns and Japns Japan standard IB
Internationalization of public schools

Municipalities, financial, commerce and industry, educational, local businesses
elemental to college
Int. Bach. STEAM Edu. PBL(Project-Based-Learning) EdTEC
collab. satellite of local urban univ., over seas
Solving Glocal Issues
Innovation hub
Regional development cooperation

Highly skilled personnel, partners, and family members "Tohoku" provides international calculus

Vision2035
ILC joins group of int. research institutes in Tohoku:
Global Innovation fields in Tohoku
Providing Innovative personnel
Tohoku Global Innovation Field
ILC ecosystem (Supporting ILC related industries, businesses)
- knowledge transfer
- liaison office
ILC Global Lab. Hi-tech personnel of ILC related start-up industries

「広域連携範囲」における大学・研究拠点・産業界との連携イメージ
Aomori-hirosaki health(Hirosaki U.)
Morioka Ecosystem (Iwate U., Iwate P. U., Iwate Med. School)
Akita International University of Education
Sendai Ecosystem (Tohoku U.)
NanoTerasu
Tsurioka Science Park (Keio Univ. IAB)
Aizu Smart City (Univ. of Aizu, AICT)

サステナビリティ

Global with Tohoku Innovate collaboration with the key industries, and disseminate to the world

Decarbonizing Communities Project
ahead of the curve in decarbonization
Introduce renewable energy utilizing regional characteristics
Forest management. Absorbing CO2

Action2025 Introduce local renewable energy and wood resource recycling, with a view to achieving carbon neutrality in the life cycle of ILC

Carbon neutral partnership of ILC and local community
Saving energy of ILC facility
Lower power CO2 rate 0.482(2021)→0.100(2050 goal)
① conservation
② Utilizing ILC waste heat → Low fossil energy
③ CO2 absorption by forest
④ Fixation of CO2 by wood construction

Infrastructure to promote ILC energy conservation
Sanriku Renewable Energy Field (power line augmentation)

CO2 33.7/year ※1
ILC research ILC const. 26.6 ※2
residual CO2
carbon offset

Whole Life ILC-Carbon Neutral

Vision2035 Wood ILC facility, Energy circulation campus by using biomass, waste heat etc

ILC IP campus
surrounding abandoned farmland to be a state-of-the-art agricultural and forestry production center
Waste Heat from ILC IP(40-70°C)
Image of waste heat utilization
ILC IP campus (air condition) + wood Wood processing and drying facilities + Agricultural facilities

Effective utilization of waste heat from ILC facilities Export the most advanced role models in agriculture and forestry to the world

Agricultural greenhouses, plant factories, mycorrhizal mushrooms
On shore
Wood/woody biomass drying

Example, wood accelerator facility (PSI)
ILC IP campus
- On site office
- control room
- exp. maintenance, factory
- power, air condition