

# ROKKASHO THE JAPANESE SITE FOR ITER

The Japanese ITER Site Forum\*

\* Comprised of the Japanese Government (Ministry of Education, Culture, Sport, Science and Technology), Aomori Prefecture, and the Japan Atomic Energy Research Institute

# Welcome to Aomori

## - Invitation by Vice Governor



# Access from the World

Two Airports in Aomori.

Misawa Airport - ITER Site 35km

50 minutes

Aomori Airport- ITER Site 70km

100 minutes

Aomori Airport

ITER Site

Misawa Airport

Haneda - Aomori  
359miles 70min.

Haneda - Misawa  
356miles 70min.

Narita Airport

Haneda Airport

Narita ~ Haneda  
Highway Buses 75min  
about 20 min interval



# The Bullet Train – Tohoku Shinkansen

- From December 1, 2002, the Bullet Train, Tohoku Shinkansen will be connected to Hachinohe.
- 2 hours and 50 minutes from Tokyo to Hachinohe.
- Fifteen trains a day in each direction.



## Rokkasho, How to live?

- Housing
- Education
- Medical Service
- Relocation Service

# Housing

- Rental housing is commercially available in the neighboring community of Misawa city or other cities.
- Public housing in Rokkasho, “lake town residence” is also available.
- A new residential community – “lakeside village” would be built.
- Residential facilities for short term visitors would be provided in the lakeside village.

# Image of the "Lakeside Village"



# Education

- Any child (regardless of citizenship) will be admitted to the Japanese school system.
- Aomori prefecture is planning to establish an international school in Rokkasho. High academic standards would be pursued so that admissions to excellent universities in the world would be possible.
- It is possible that teachers sent from each participant country could provide educational programs completely compatible with their own educational system.  
For example, French educations being given to the children of French engineers working in the JNFL facilities.



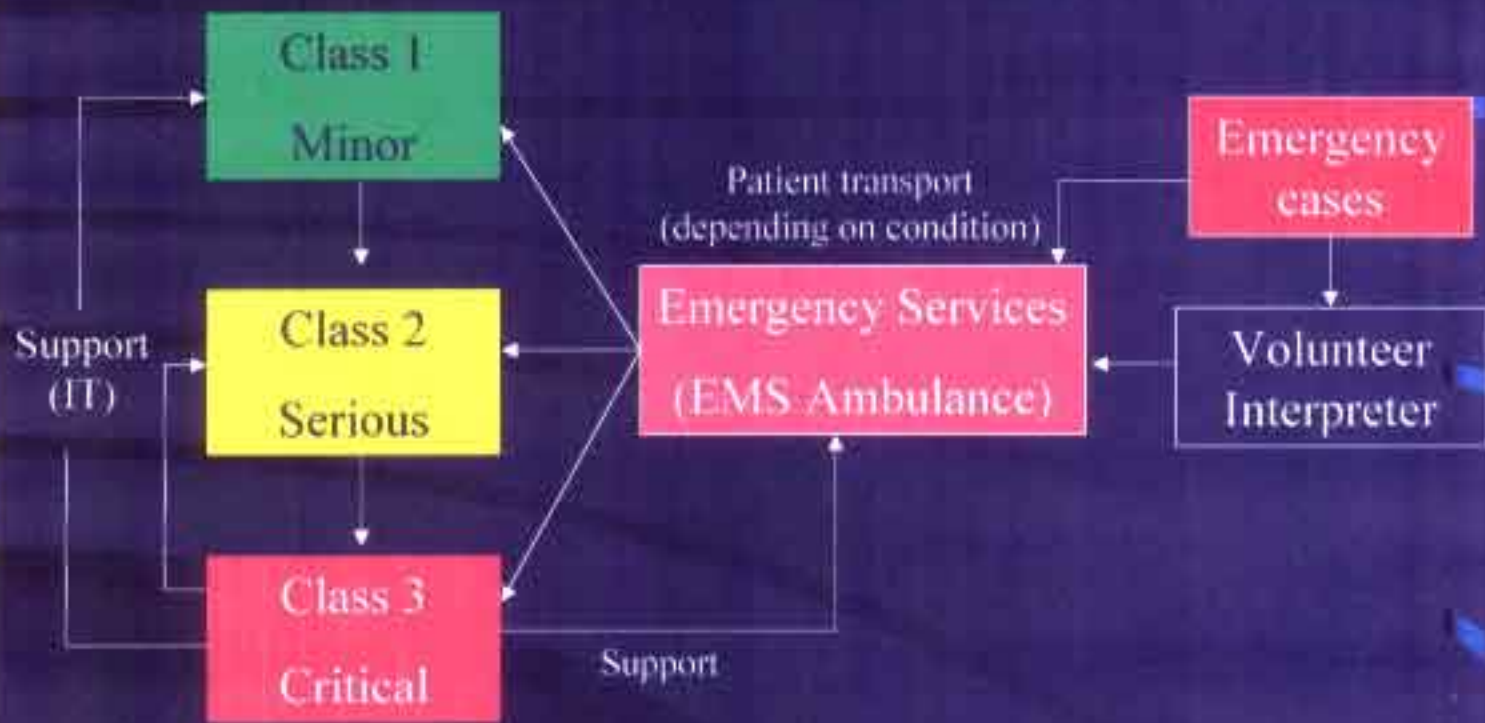
# Concept of the International School



## Medical Service

- There are many hospitals and clinics where English can be spoken in the vicinity of Rokkasho.
- Aomori prefecture is preparing a comprehensive emergency medical service. High standard ambulance is stationed in Rokkasho.
- A group of volunteer would be systematically organized to assist people of non Japanese speakers in case of medical emergency by providing interpreting service.

# Concept of Emergency Medical Services



## Relocation Service

- Rokkasho is ready to offer public services in the municipal offices in English.
- Regional services for the new comers from abroad, such as orientations, interpretation and concierge would be provided.
- Japanese language class will be given to families of the participants.
- The area has already received French and British engineers working in the JNFL facilities.

# Concept of Relocation Services



## Features of the Rokkasho Site

Major issues to be considered for the site applicability are:

- Land
- Water Supply (Potable, Industrial, Sewage)
- Transportation
- Electric Power Supply
- Other Factors

# East Aerial View of Rokkasho Site



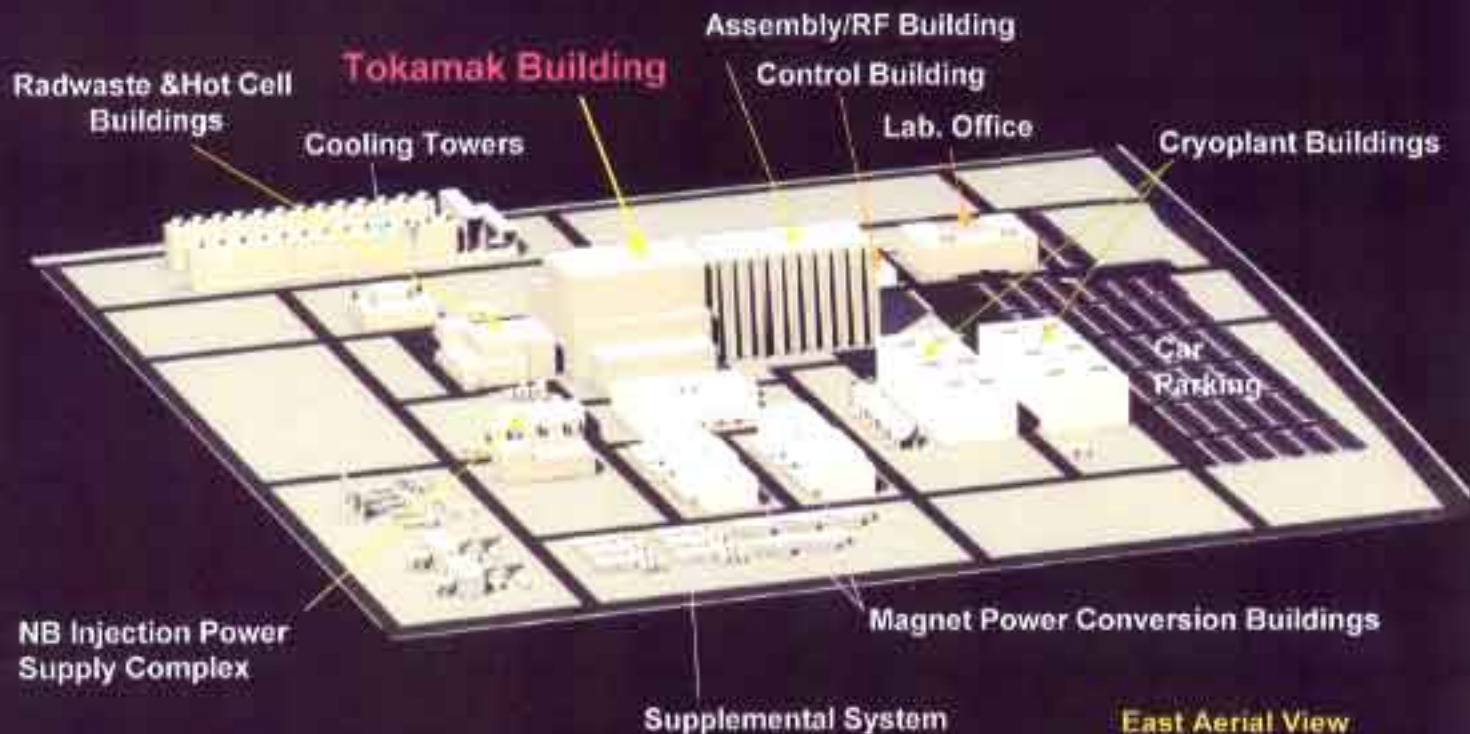
# Land, and Transportation, Water Supplies, Electric Power Supplies... to the ITER Site



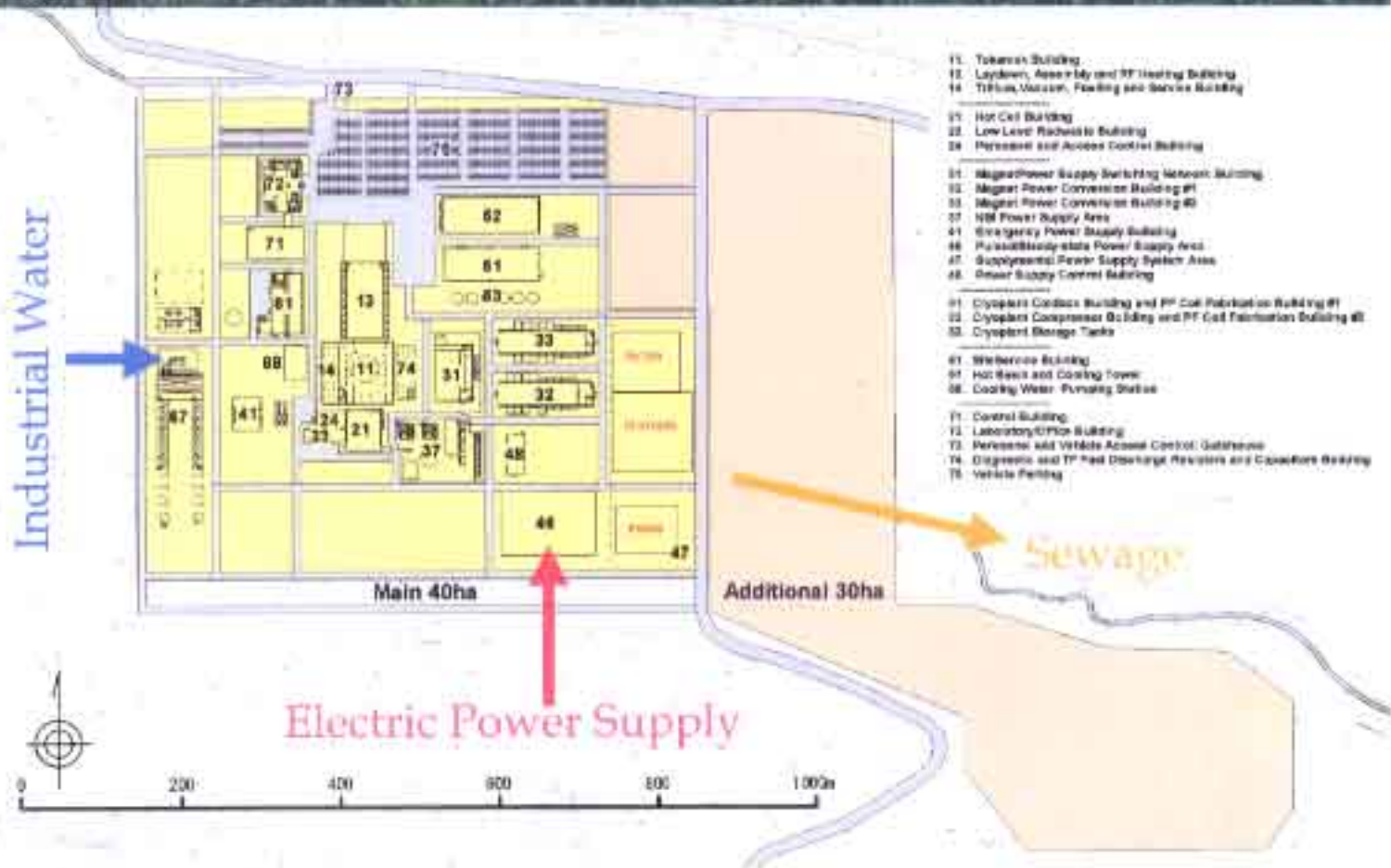


# • Tentative Rokkasho ITER Site View

Tentative layout of the ITER facility is being planned in the Rokkasho site with sufficient spaces between buildings.



# Tentative Layout of ITER Facility in Rokkasho Site



# High Voltage Grid Line



# Features of the Rokkasho Site

- Land

Sufficiently meet with the ITER Site Requirement

- **Site Area and Topology:**

- Sufficiently meet with the ITER Site Requirement

- (at least 70 ha and less than 10m difference in elevation)

- **Soil Conditions:**

- **Stiff and stable soil**

- (solid bedrock to 20m underground)

- Water Supply(Potable, Industrial, Sewage)

Sufficiently meets the site requirement/site design assumption.  
Two possible ways either by releasing the cooling water to the sea or by using cooling towers.

# Features of the Rokkasho Site

- **Transportation**

- Harbor facilities (Presently up to 5,000 t and being upgraded to 15,000t and 50,000t) close to the site.

Existing Roads available for the Component Transportation.

In addition, the preparation of a dedicated road from the harbour allows more capability in the direct transportation, e.g., even large PF coils.

- **Electric Power Supply**

Steady state and pulse electrical power during the operation phase (after 2013) can be supplied by installing the dedicated power transmission line from the existing Kamikita Transformer Substation (275 kV) to the site.

**(End of the technical feature of the site)**

**ITER**

for Children in the Future

## Conclusion



Why Rokkasho?

The Answer Is:

**We Believe That Rokkasho Is  
the Best Place for ITER in  
the World!**