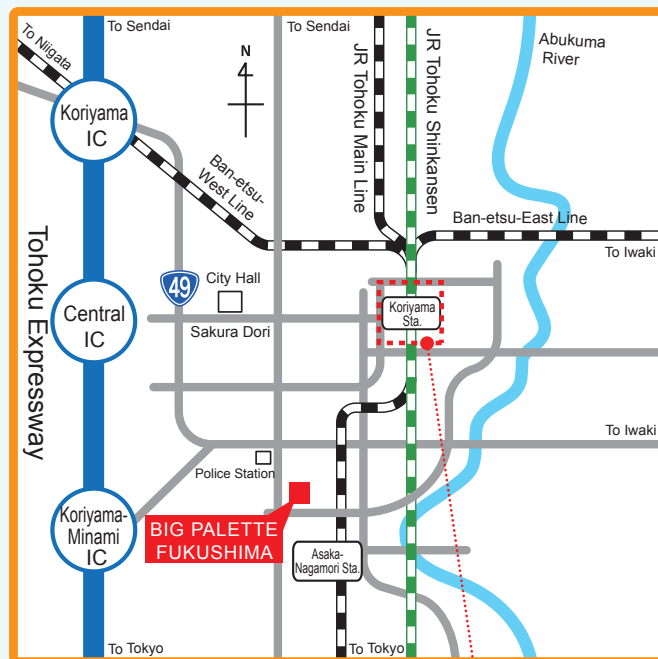


ACCESS MAP Map and timetable.



By Tohoku Shinkansen
 Get off at the "Koriyama Sta." (approx. 80min from Tokyo Sta.)

By Airplane
 Use buses or taxis from Fukushima Airport to Koriyama Sta.

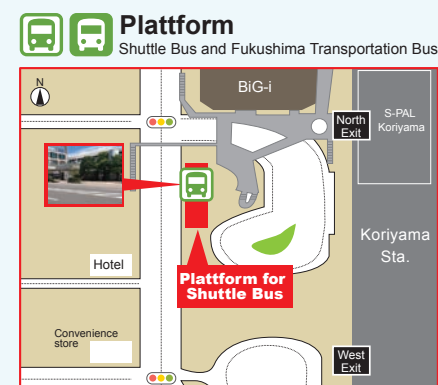
JR Koriyama Station
By Bus from JR Koriyama Sta.
 ■ Shuttle bus service, free of charge (on Nov 8, 9)
 Goes directly to BIG PALETTE FUKUSHIMA (time table is available below)
 Required Time: approx. 15min
 ■ Fukushima Transportation Bus
 Buses Available from Platform #1 of Bus Station at the West Exit of JR Koriyama Sta.
 Exit Bus at "BIG PALETTE" Bus Stop.
 Required Time: About 15 minutes. One-Way Fare: 300 yen.
*Please do not get on the bus bound for Shibamata-Danchi(Sakae-Machi). All buses except for the bus to bound for Shibamata-Danchi stop by BIG PALETTE FUKUSHIMA.

By Taxi from JR Koriyama Sta.
 approx. 15min from West Exit of JR Koriyama Sta.

By Expressway
 About 7 kilometers from Koriyama-Minami IC, using Tohoku Expressway. 15minutes by car.
 Parking Space: Available for 840 vehicles. (free of charge)

BIG PALETTE FUKUSHIMA

<Koriyama Station>



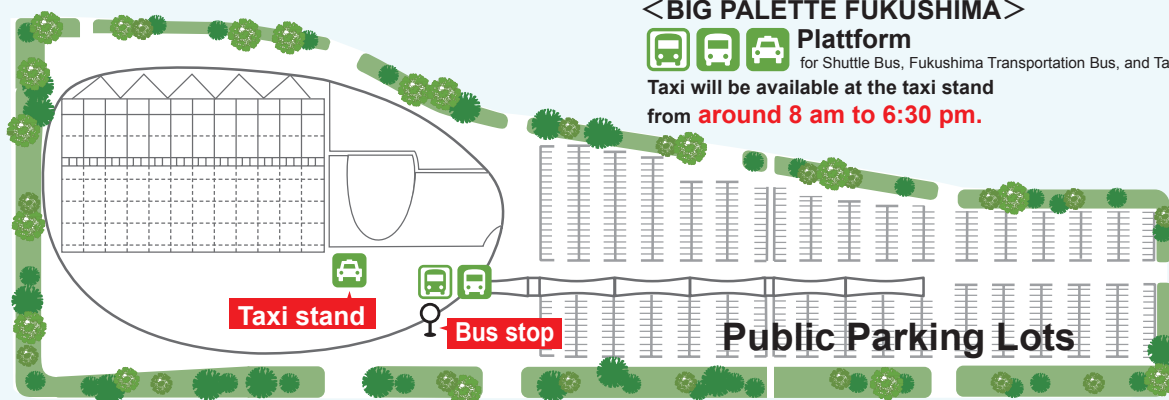
●Time Table for Free Shuttle Bus Service JR Koriyama Sta. ⇄ BIG PALETTE FUKUSHIMA (Only 28th and 29th of Nov)

Koriyama Sta. → BIG PALETTE FUKUSHIMA	Time	BIG PALETTE FUKUSHIMA → Koriyama Sta.
00 20 40	8	
00 20 40	9	
00 20 40	10	20 40
00 20 40	11	00 20 40
00 20 40	12	00 20 40
00 20 40	13	00 20 40
00 20 40	14	00 20 40
00 20 40	15	00 20 40
00 20 40	16	00 20 40
00 20 40	17	00 20 40
00 20 40	18	00

交通事情や乗車数により時間通りの運行とならない場合がありますのでご注意ください。

<BIG PALETTE FUKUSHIMA>

Platform for Shuttle Bus, Fukushima Transportation Bus, and Taxi
 Taxi will be available at the taxi stand from **around 8 am to 6:30 pm.**



The 10th Fukushima Renewable Energy Industrial Fair 2021

Date **Oct 13&14** 2021

Inquiry

Fukushima Centre For Industrial Promotion, Energy Agency.FUKUSHIMA

1-12 Machiikedai Koriyama City, Fukushima Pref,
963-0215 Japan

TEL.024-959-1961 E-mail:reif-fukushima@f-open.or.jp

<http://reif-fukushima.jp/> reif

The 9th Fukushima Renewable Energy Industrial Fair

REIF

Fukushima 2020

Dates (Wed) (Thu)
 2020 **Oct. 28&29**
 10:00~17:00

Venue Koriyama-City, Fukushima Pref.
BIG PALETTE FUKUSHIMA

Venue guide map

Business matchmaking event to take place in Fukushima!

Admission is free

Future of the renewable energy pioneered in Fukushima



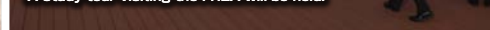
Seminars

After opening with a keynote speech, the event will feature various seminars on such themes as renewable energy and international economic exchanges.



Study tour

A study tour visiting the FREIA will be held.



Special exhibition

A mobile hydrogen station will be placed on exhibition.



Matchmaking session for renewable energy businesses

The session will help the participants find business partners to cooperate in marketing strategy, product development, and other collaborative programs.



Since the Great East Japan Earthquake, Fukushima Prefecture has made it one of its basic principles to create a society that does not depend on nuclear power and has made the promotion of renewable energy one of the major pillars of its reconstruction plan. In order to expand the introduction of renewable energy, we have been working on the development and accumulation of related industries, i.e. through support for technological development, market development, and the promotion of overseas cooperation.

Under these circumstances, with the kind understanding and support of many people involved, including companies inside and outside the prefecture, the Fukushima Renewable Energy Industrial Fair (REIF Fukushima) has become established as the largest renewable energy exhibition in the region, and this year we have already reached the 9th time. I would like to express my sincere gratitude to all the exhibitors and everyone involved for their support in holding the event.

Regarding the novel coronavirus (COVID-19), recently the severe situation continues, with infected people continuing to be confirmed in our prefecture. But we have decided to hold the exhibition again this year while taking thorough infection prevention measures, because of the deep understanding of the citizens of the prefecture and of the companies to establish a "new lifestyle" and of the necessity to implement appropriate infection prevention measures at the exhibition venue.

The aim of this exhibition is to foster and agglomerate industries related to renewable energy towards the realization of Fukushima becoming "a front-runner in renewable energy" and its main themes are the three pillars of "The Fukushima Plan for a New Energy Society", which are (1) the expansion of the introduction of renewable energy, (2) building a model for realizing a hydrogen society and (3) building smart communities. In order to directly connect to your business, REIF Fukushima offers exhibitions of the latest technologies and products by companies and research institutes, business meetings, seminars introducing the latest trends, and holding matching events between companies.

I hope that this exhibition will become an opportunity for new business developments for all participants.

福島県知事 内堀雅雄

(Governor of Fukushima Prefecture, UCHIBORI MASAO)

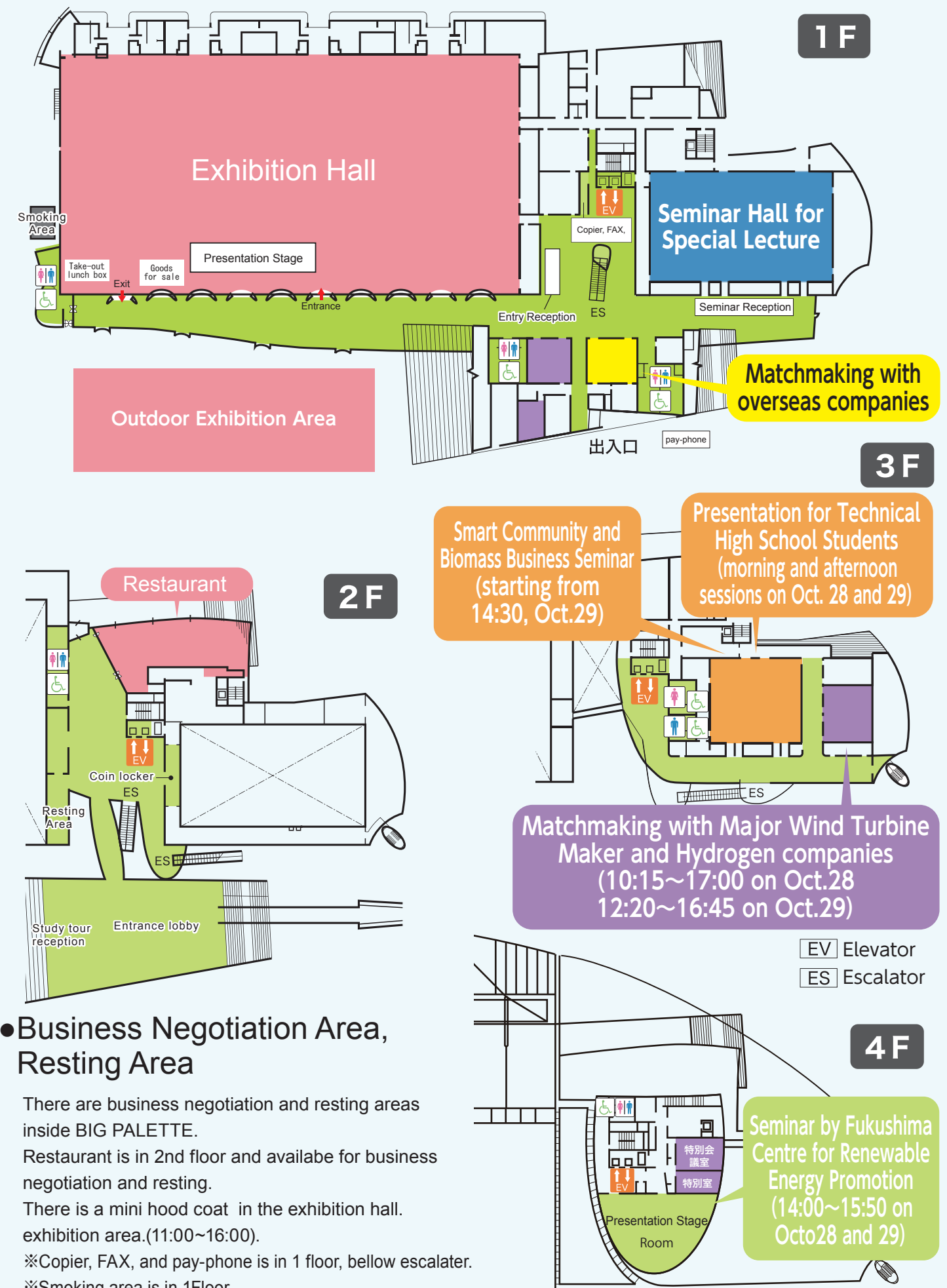


REIF Fukushima 2020

REIF Fukushima 2020

provides opportunities to exhibit up-to-date technology and information, to participate in the business meetings, and to join networking events for the participants, as well as giving out strong message to realize "Fukushima as a Leading Region for Renewable Energy".

Dates	Oct 28(Wed) & 29(Thur), 2020 10:00~17:00	Exhibitors	157Companies/Organizations, 192 Booths
Fee	Free	Events	<ul style="list-style-type: none"> Exhibitions, seminars, presentations FREA study tour Matchmaking session for smart community development businesses Business matching with major wind turbines manufactures
Venue	BIG PALETTE FUKUSHIMA 2-52, Minami, Koriyama-City, Fukushima Pref. 963-0015, Japan		
Organizer	Fukushima Prefecture Fukushima Center for Industrial Promotion		



●Business Negotiation Area, Resting Area

There are business negotiation and resting areas inside BIG PALETTE.

Restaurant is in 2nd floor and available for business negotiation and resting.

There is a mini hood coat in the exhibition hall exhibition area.(11:00~16:00).

※Copier, FAX, and pay-phone is in 1 floor, below escalator.

※Smoking area is in 1Floor

This is a platform for the publication of the latest technology and information, and a place for B2B matchmaking, exchange and collaboration among industry, academia and government.

Seminar (Please note that contents and time of the seminars are subject to change.)

REIF Fukushima 2020 is dedicated to the prevention of Covid-19 infection in the venue and take thorough countermeasures.

Exhibitors' presentations
(Held on a special stage set up in the exhibition venue)

Wednesday, October 28th

10:30~11:40 Convention Hall (1F)

Opening seminar
Fukushima New Energy Society Concept ~
Pioneering new energies for the future ~
Greetings from the organizer of REIF Fukushima 2020
Mr. MIYAMURA Yasuji, Director General, Commerce Industry & Labour Department, Fukushima Prefectural Government

Future direction of the renewable energy hydrogen policy and Fukushima New Energy Society Concept (provisional)
Mr. YAMAGUCHI Jin, Director, Policy Planning Division, Energy Efficiency and Renewable Energy Department, Agency for Natural Resources and Energy

Fukushima Hydrogen Energy Research Field (FH2R)
Mr. OHIRA Eiji, Director General, Fuel Cell and Hydrogen Technology Office, Advanced Battery and Hydrogen Technology Department, New Energy and Industrial Technology Development Organization

Lectures by the company, etc.
① **Wind power plant maintenance business in Fukushima Prefecture and future business development**
Mr. TAKAGI Kunihito, General Manager, Plant Operation and Asset Management-Japan, Eurus Technical Service Corporation
② **Reconstruction model project with construction of a smart community in Katsurao Village**
Mr. MATSUMOTO Hiroshi, Deputy Mayor, Katsurao Village

Conclusion
Moderator Mr. Yasuhiro Hattori, Managing Director, Fukushima Renewable Energy Research Association

12:30~13:30 Convention Hall (1F)

Fukushima renewable energy seminar
Efforts to promote renewable energy projects toward realization of the Fukushima New Energy Society Concept
Greetings from Managing Director of Fukushima Renewable Energy Research Association
Mr. Yasuhiro Hattori, Managing Director, Fukushima Renewable Energy Research Association

Introduction of activities by member companies
Wind power generation
Mr. Russell Cato, Managing Director, Japan Branch, Siemens Gamesa Renewable Energy PTY LTD.
Mr. KANNO Tatsunori, Manager, Seidensha Inc., Fukushima Wind Turbine O&M Working Group

Energy Management (Smart Community)
Mr. KIMURA Yasutaka, Tohoku Murata Manufacturing Company, Ltd.

Hydrogen
Mr. NEMOTO Katsuyori, Nemoto Tsusho K.K. Corporation

13:45~16:45 Convention Hall (1F)

International economic exchange seminar
(English and Japanese simultaneous interpretation provided, partially on WEB)

Renewable energy economy seminar by experts from leading countries in renewable energy, Germany, Spain and Denmark
Introduction of Fukushima's overseas partners
Mr. Yasuhiro Hattori, Managing Director, EnergyAgency, Fukushima

The wind power generation business structure and promising cooperative business fields between companies in Hamburg, Germany and companies in Fukushima Prefecture
Mr. Jan Rispens, Managing Director, Renewable Energy Hamburg Cluster Agency

Combined wind power and hydrogen technology system to solve the climate change problem and the actual effects
(in the fields of environment & energy), Royal Danish Embassy
Ms. Izumi Tanaka, Senior Commercial Officer

Leading-edge wind power generation technologies in Basque Province, Spain and the fields in which cooperation with companies in Fukushima is expected
Mr. Marcos Suarez Garcia, Project Manager, Basque Energy Cluster

The leading-edge hydrogen strategy in NRW, Germany and future cooperation with companies in Fukushima
Mr. Thomas Kattenstein, Head of Fuel Cell and Hydrogen, Electromobility Network NRW, EnergieAgentur.NRW

Thursday, October 29

11:00~12:00 Convention Hall, Broadcasting to the medium conference room (3F)

Special lecture Inviting Dr. Akira Yoshino, who was awarded the 2019 Nobel prize in Chemistry
"Future society developed with lithium-ion batteries"
Dr. Yoshino was awarded the 2019 Nobel prize in Chemistry for the development of lithium-ion batteries. His contribution to the realization of a Mobil-IT society and the expectation toward realization of a sustainable society were recognized. In this special lecture, Dr. Yoshino will give us a lecture about the "Future society developed with lithium-ion batteries".
Dr. YOSHINO Akira, Honorary Fellow, Asahi Kasei Corporation
Director, Global Zero Emission Research Center, National Institute of Advanced Industrial Science and Technology



12:55~15:55 Convention Hall (1F)

Seminar by Fukushima Renewable Energy Institute, National Institute of Advanced Industrial Science and Technology (AIST)
~ What is needed!?
Massive introduction of renewable energy ~
Overview of Global Zero Emission Research Center, AIST
Dr. YOSHINO Akira, Director, Global Zero Emission Research Center, National Institute of Advanced Industrial Science and Technology

Overview of Fukushima Renewable Energy Institute (FREIA) and its activities

Wednesday-Thursday, October 28-29th

14:00~15:50 Presentation room (4F) Capacity: 40 people

Fukushima Renewable Energy Center Seminar (Prefecture's commissioned project)
Day 28 Trends in energy policy and future prospects
Professor TAKAMURA Yukari
Institute for Future Initiatives, The University of Tokyo
Mr. HIRANUMA Hikaru
RESEARCH FELLOW / PROGRAM OFFICER, POLICY RESEARCH
The Tokyo Foundation for Policy Research

Day 29 New local power producers and suppliers and Stadtwerke
Dr. Raupach Sumiya Jorg
Japan Stadtwerke Network
Professor, College of Business Administration
Hamamatsu Energy Co., Ltd.

Overview of FREIA and its research and development efforts
Dr. FURUTANI Hirohide, Director, Renewable Energy Research Center

Overview of the Seeds Support Program for companies in the disaster areas and introduction of case examples
Dr. KONDO Michio, Supervisory Innovation Coordinator, Global Zero Emission Research Center and FREIA

Panel discussion
"Roles of batteries and hydrogen toward massive introduction of renewable energy"
Panelist : Mr. IIDA Yuji, Deputy Commissioner, Agency for Natural Resources and Energy
Mr. IDE Takatoshi, Vice Governor, Fukushima Prefectural Government
Mr. SHOUJI Hideki, President and CEO, TOYO SYSTEM CO., LTD.
Ms. HASHIMOTO Naoko, Executive President, SUKAGAWAGAS CO., LTD.
Dr. YOSHINO Akira, Director, Global Zero Emission Research Center
Dr. Eng. NAKAIWA Masaru, Director General, Fukushima Renewable Energy Institute
Moderator : Project Professor OZAWA Yoshihito, Fukushima University

Special Exhibition & Demonstration

Wednesday-Thursday, October 28-29th 10:00~16:30

Solar power O&M using Drones, from Fukushima!

Study Tour

Wednesday, October 28th 13:10~16:20

Tour of Fukushima Renewable Energy Institute, National Institute of Advanced Industrial Science and Technology (FREIA)

Matchmaking session for renewable energy businesses

Wednesday-Thursday, October 28-29th

Matchmaking with Major Wind Turbine Makers and Hydrogen companies
Business Seminar of Smart Community and Biomass
(Advance applicant)

List of Exhibitors

Photovoltaic/Solar Heat

- A-1 Waste glass recycling business cooperative Glass Separator
- A-2 Iguu k.k. Iguu, providing maintenance free and low cost bearings for tracking solar panels
- A-3 Japan Photovoltaic Inspection Technical Association We aim to achieve 100 year power station through proper maintenance.
- A-4 Girasol Energy INC. PPLC-PV solutions that use AI/IoT technologies to maximize the value of solar assets
- A-5 Mobilisation Co., Ltd. Japan Sustainable Committee Inc. Safe and secure solar power generation systems - Creating regional energy businesses (Regional Creation SDGs)
- A-6 Laplace System Co., Ltd. 50,000 110V remote monitoring cases! A line up of products to support stable power generation systems
- A-7 IWADENKIKOUJI Co., Ltd. We have proven results in delivering solar power systems and LED lighting all in one from manufacture to construction.
- A-8 INFINI Co., Ltd. The potential for utilizing renewable energy and business development through cooperation with local communities
- A-9 Nippon Kernel System Co., Ltd. Solar-powered related measuring devices and measurement & evaluation systems
- A-10 Living solar Proposals for solar power systems and related maintenance
- A-11 NIIGATA TECHNO Co., Ltd. Emergency Power Source Systems for Natural Disasters
- A-12 Delta Electronics, Inc. Power condensers and hybrid battery systems for solar power generation systems.
- A-13 Structural Performance Evaluation Institute Confirmation and inspections related to the structural safety of solar power generation installations by third party organizations.
- A-14 POLYSOL RESEARCH SOCIETY MARUHAICHIDOKEN CO., LTD. "Polysol Greening" is a coating that strengthens sandy sloped surfaces with acrylic resin.
- A-15 Keiwakogyo Co., Ltd. Proposals for weed control using "granulated stone", which is a form of recycled civil engineering material
- A-16 Fukushima Electric Power Co., Ltd. Helping the economies of regional societies through pioneering renewable energy projects
- A-17 RYOKUSUI INDASUTRY CO., LTD. Dirty panels can decrease the efficiency of power generation! Our company offers solutions and support!
- A-18 okano electronics An introduction to elements for use as disaster shelters
- A-19 XSOL CO., LTD. (1) Proposals for residential consumption (support for retailers) (2) All houses free from power outages (3) Resilient to low pressure
- A-20 FEP Co., Ltd. / ACDC Co., Ltd. / CIA Co., Ltd. / CSD Co., Ltd. / Fukushima nissan motor Co., Ltd. Car-Power-generation and New Local Production and Consumption of Power, Net-Zero Energy Buildings and Net-Zero Energy Houses
- A-21 HUAWAI TECHNOLOGIES JAPAN K.K. Smart solar solutions perfect for the post-FIT generation

Hydrogen, Fuel Cell, Storage Battery

- B-1 KUREHA CORPORATION / Fukushima Renewable Energy Institute, AIST / KUREHA ECOLOGY MANAGEMENT CO., LTD. The GATWAX gas purification system made possible with Kureha's spherical activated carbon. We also plan on applying this to the hydrogen carrier field
- B-2 IDF Co., Ltd. Efforts taken towards establishing local commercial production of lithium-ion batteries in Miyagi Prefecture.
- B-3 SUZUKI SHOKAN CO., LTD. We are a gas supplier that supports hydrogen research and developing materials for a hydrogen-based society.
- B-4 NIPPON SEISEN CO., LTD. An introduction to palladium-hydrogen separation membranes, MCH dehydrogenation catalyst wires, and wires for hydrogen-embrittlement resistance springs.
- B-5 Our safe, secure, and inexpensive "high-performance lead-acid battery system" can be used for disaster prevention and mitigation, and has low carbon emissions.
- B-6 SANNCO Co., Ltd. This hydrogen permeable membranes and silver-plated acrylic particles that are produced with surface processing technology.
- B-7 Tohoku Murata Manufacturing Co., Ltd. An introduction to Storage Battery Systems that integrate storage batteries and power converters
- B-8 Fujikin Incorporated An exhibition of valves and piping components for ultra high-pressure hydrogen installations.
- B-9 Toshiba Energy Systems & Solutions Corporation We will hold an introduction of the Fukushima Hydrogen Energy Research Field (FH2R), which opened in March of 2020.
- B-10 enagie, Inc. Our Disaster Response System V2X saves energy outside of disasters to act as a power source if a disaster hits.
- B-11 APOLLO GUS Fukushima Prefecture Policy: Doing all we can to support 100% renewable energy by 2040!

Biomass

- C-1 rokuyoudenkikabusukikaisya Ultra Small-Scale Biomass - Waste Plastic Recycling (liquefaction)
- C-2 Yamato Sanko MFG. Co., Ltd. An introduction to renewable energy related drying devices
- C-3 Spanner KK Spanner small-scale timber biomass co-generation plant
- C-4 Kyoel Corporation Small-Sized Biogas Power Generation System
- C-5 Sanyo Trading Co., Ltd. Pellet production, 49KW to 2MW power production using wood pellets, and hot water use.
- C-6 Oyamada Engineering Co., Ltd. An introduction to wood chip boilers
- C-7 toonokousan Helping to reduce CO2 emissions with wood pellets fuel.
- C-8 FUJITA Construction Industrial Co., Ltd. Small-scale wood gasification heat and power supply unit "E4", and phased heat usage.
- C-9 seeds The spread of wood pellets fuel and wood pellets stoves.
- C-10 ACDC Co., Ltd. Exhibition of wood stoves and wood pellet stoves that use wood biomass as fuel.

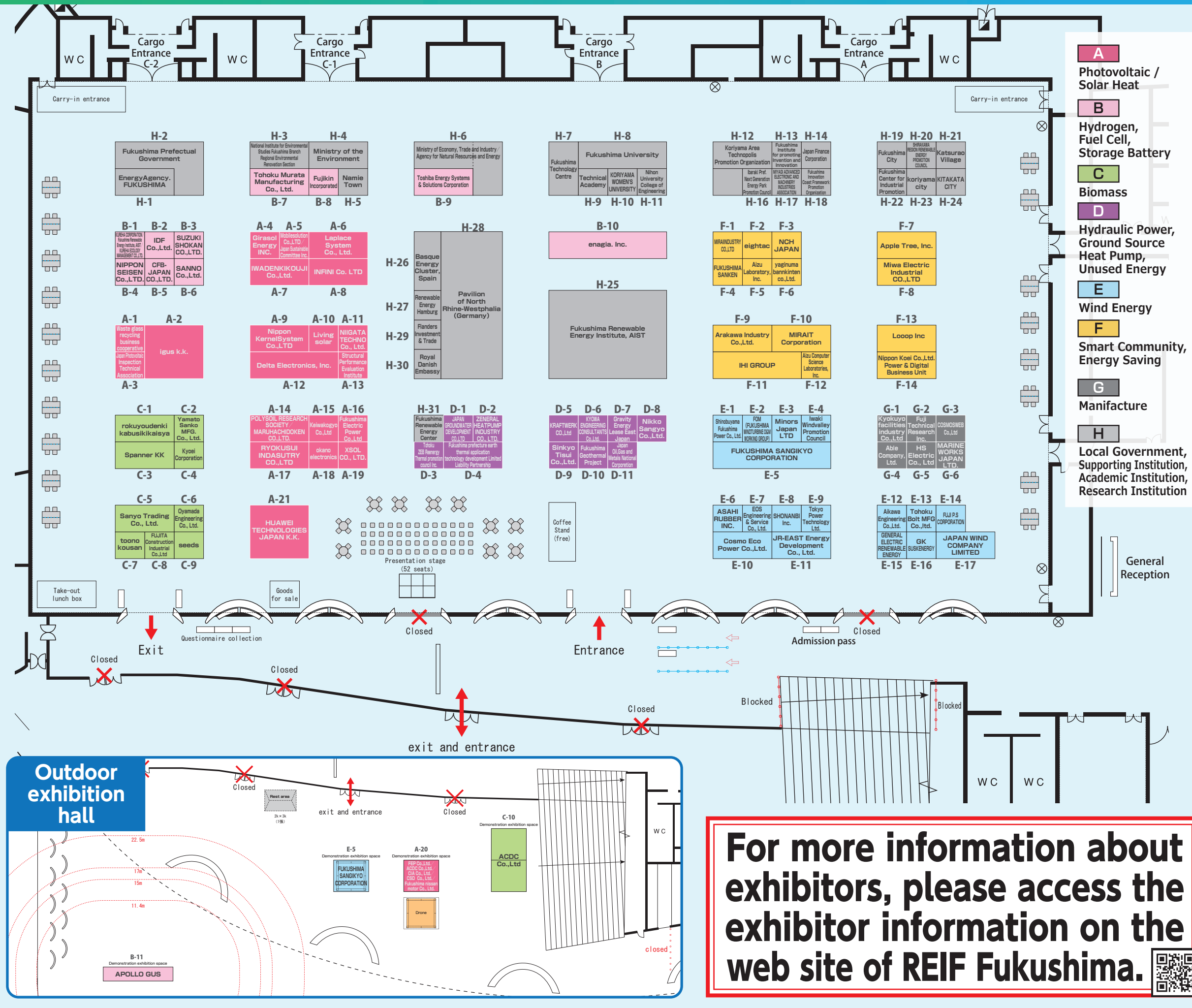
Hydraulic Power, Ground Source Heat Pump, Unused Energy

- D-1 JAPAN GROUNDWATER DEVELOPMENT CO., LTD. Effective use of natural energy (groundwater heat and geothermal heat)
- D-2 ZENERAL HEATPUMP INDUSTRY CO., LTD. We provide heat pump systems that utilize unused heat.
- D-3 Tohoku ZEB Reenergy Thermal promotion council Inc. Disaster prevention and mitigation x ZEB (Net Zero Energy Buildings)
- D-4 Fukushima prefecture earth thermal application technology development Limited Liability Partnership Fukushima Geothermal Energy Conservation Project
- D-5 KRAFTWERK Co., Ltd. Using heat that normally goes to waste
- D-6 KYOWA ENGINEERING CONSULTANTS Co., Ltd. Emergency Infrastructure M Pack
- D-7 Gravity Energy Lease East Japan Power generation systems that effectively uses gravity and magnetic forces
- D-8 Nikko Sangyo Co., Ltd. We aim to spread and develop renewable energy technology by utilizing characteristics of bulge-forming technology.
- D-9 Sinkyo Tisui Co., Ltd. Supporting Technology for Renewable Energy "Shinkyo Chubu Initiatives"
- D-10 Fukushima Geothermal Project About geothermal heat surveys in Fukushima prefecture
- D-11 Japan Oil, Gas and Metals National Corporation Geothermal power production from energy in the ground!

Wind Energy

- E-1 Shinobuyama Fukushima Power Co., Ltd. "From Fukushima into the Future"
- E-2 FOM (FUKUSHIMA WINDTURBINE O&M WORKING GROUP) Supporting Wind Power Generation in Fukushima Together!
- E-3 Minors Japan LTD Long Distance Optical Pulse Transmission System
- E-4 Iwaki Windvalley Promotion Council We aim to create energy related projects and a wind-power generator cluster in the Iwaki region.
- E-5 FUKUSHIMA SANGIKYO CORPORATION Operation and maintenance of large-scale wind power generators and the construction, operation, and maintenance of small-scale wind power generators
- E-6 ASAHI RUBBER INC. Development of plasma actuators for wind turbines.
- E-7 EOS Engineering & Service Co., Ltd. Improving the viability of wind power stations through proposals with our many years of experience and cutting-edge European and American technology.
- E-8 SHONANBI INC. We work with partner companies in Fukushima to provide 1.8 MW, 100 kW, and 800 kW wind turbines, PV panels, and batteries.
- E-9 Tokyo Power Technology Ltd. Contributing to the spread of wind power as a precious form of national energy.

Site Map: Introducing new technologies and products of renewable energy



For more information about exhibitors, please access the exhibitor information on the web site of REIF Fukushima.