



# City-to-city Cooperation with Essen, Germany

## Maximizing Urban Cooperation to Accelerate Decarbonization Activities

### 3. Selected in the IUC program sponsored by the EU in 2017

- Essen and Koriyama were selected as paring cities in the International Urban Corporation (IUC) program in 2017



Essen & Koriyama were part of the city-to-city meetings in Brussels in Nov. 2018



Mayors of Essen and Koriyama signed the MoU in Dec. 2017

### 2. MoU between Essen & Koriyama in 2017

- City-to-city cooperation in the fields of renewable energy and medical device related industry to accelerate the revitaization

### 1. MoU between Fukushima Pref. & the State of NRW, Germany in 2014

### 4. Conclusion of agreement on continued cooperation in 2019

- Education & development of next generations were newly-included as additional cooperation fields



Essen & Koriyama concluded the agreement on the continued cooperation in Sep. 2019

### 5. Join the IURC program sponsored by EU in 2021

- Essen and Koriyama are to participate in the International Urban Regions and Cities (IURC)



郡山市とドイツ・エッセン市の都市間連携は、気候変動や社会問題、経済的課題という共通の緊急課題に対応できる強靱な都市の構築を目指して2017年に始まりました。国際的にニーズが高い再生可能エネルギーや医療機器関連産業の分野での産業振興を目的として進められています。



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### Trade Fairs in ESSEN & KORIYAMA



Reception at Fukushima Booth at 'E-world energy & water 2020' in Feb. 2020

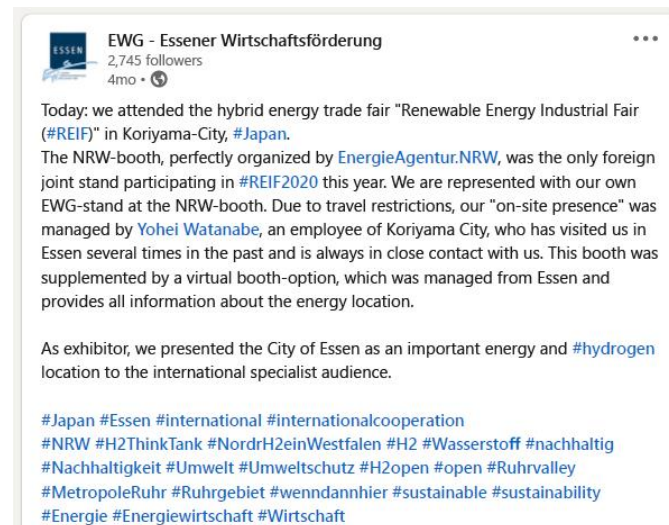


Joint presentation of Essen and Koriyama at a business seminar organized by Fukushima Pref. and the State of NRW in Feb. 2020

情報交換、スタディツアー、共同セミナー、共同研究など様々な活動を行ってきました。中でも特徴的なのは、産業界を巻き込んだビジネス・マッチング・イベントや見本市の開催への共同参加です。エッセンでは欧州最大のエネルギー見本市「E-world energy & water」が、郡山市では「REIFふくしま」が毎年開催されています。コロナ禍により物理的な移動が制限されるなか、エッセンは2020年には、オンラインでREIFふくしまに参加しました。



The virtual booth of Essen at REIF Fukushima in Oct. 2020, which was ran by a Koriyama city government officer for the first time due to the enduring pandemic of the coronavirus.





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### Business Matching



The first online business matching event was held in Feb. 2021, three SMEs in Koriyama area gave pitches to medical institutions in Essen

オンラインでのビジネス・マッチング・イベントも開催されました。写真は、郡山市の中小企業がエッセンの医療機関に革新的な技術を紹介する様子です。都市間連携が、それぞれの都市の産業競争力を強化し、新しいビジネスを生み出す仕組みのひとつとなっています。

**ESSEN** EWG - Essener Wirtschaftsförderung  
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We drive innovation - even in times of Corona. Innovations on an [#international](#) level - together with [#KoriyamaCity](#) from [#Japan](#).

Since October 2020 we regularly organise digital formats for targeted innovation transfer with [#Koriyama](#). A video match was held last week with representatives of the [#healthcareindustry](#).

Two of the [#medical](#) [#innovations](#) presented can be understood as a reaction to the ongoing [#Corona](#) pandemic:  
The first product, a pop-up room for indoor and outdoor use, which can be quickly converted into treatment rooms for patients with infectious diseases.

The second, [#CYBERDYNE, INC.](#) introduced an autonomously driving robot that sprays disinfectant on its way. A helper that would be suitable for use in infection wards.

To conclude the video matching, from Hundred Inc., a young and promising start-up, demonstrated particularly gentle syringe needles. They are a proprietary development of the company and a worldwide patent application is currently being sought.

Universität Duisburg-Essen, JETRO - Japan External Trade Organization, Yohei Watanabe, WOLFGANG SAUERWEIN, Motoaki Komiya, Maren Schulze, Go Theisen, Markus Pließnig  
[#medicaltechnology](#) [#Japan](#) [#Essen](#) [#digitalhealth](#) [#innovation](#) [#internationalbusiness](#) [#robotics](#) [#hospital](#) [#healthcare](#) [#Covid19](#) [#ehealth](#)



'Utilizing ready-to-assemble & quick deploy ER made of honeycomb cardboard panels as care units for patients of COVID-19' and 'Autonomous Cleaning and Disinfection Robot' were presented.

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Wow! Fantastic success news: The First Solid Oxide Fuel Cell [#SOFC](#) in Europe will be installed in [#Essen](#) on the campus at [Gas- und Wärme-Institut Essen e.V.](#) It will be the first outside [#Japan!](#)

Hybrid SOFC systems are very efficient power generators consisting of solid oxide fuel cells and micro gas turbines, which can proportionally use [#hydrogen](#) as fuel gas.

Once again proof that the [#CityOfEssen](#) is ideally suited as a sustainable location for the hydrogen market.

GWI's good relations with the Japanese research center Fukushima Renewable Energy Institute (FREA) contribute to the success of the project. The contact between the two research institutions was established and deepened with our help during German-Japanese delegation trips between Essen and Koriyama in Fukushima Prefecture.

[IN4climate.NRW](#) [Mitsubishi Power Europe](#) [Stadt der Städte Business Metropole Ruhr GmbH](#)

[#H2ThinkTank](#) [#mitsubishienergy](#) [#fuelcell](#) [#energytransition](#) [#EssenInnovation](#) [#NordrH2einWestfalen](#) [#H2](#) [#Wasserstoff](#) [#nachhaltig](#) [#Nachhaltigkeit](#) [#Umwelt](#) [#Umweltschutz](#) [#H2open](#) [#open](#) [#Ruhrvalley](#) [#MetropoleRuhr](#) [#Ruhrgebiet](#) [#wenndannhier](#) [#Essen](#) [#sustainability](#) [#Energie](#) [#Energiewirtschaft](#) [#Wirtschaft](#) [#greeneconomy](#) [#renewableenergy](#) [#greendeal](#) [#Energy](#)



the Gas- und Wärme-Institut Essen e.V.(GWI) implemented the first SOFC from Mitsubishi Power Europe