



# TRIS

**Interreg Europe**



European Union  
European Regional  
Development Fund

## **SC/Interregional meeting**

### **Action plan update Birmingham**

Peter Laybourn Industrial Symbiosis Ltd

Derrick Taylor BCC

Feb 2021

# **Birmingham Action Plan**

**Action 1: Sustainable Urban Development Strategies (SUDS)**

**Action 2: Birmingham Clean Air**

**Action 3: Alternative Raw Material of Low Impact (ARLI)**

**Action 4: Birmingham and Solihull Industrial Symbiosis (BASIS)**

**Additional news (legacy)**

# **Action 1: Sustainable Urban Development Strategies (SUDS)**

- **Sustainable Urban Development call to run a project to support the shift towards a low carbon economy and preserving and protecting the environment and promoting resource efficiency in Greater Birmingham and Solihull**
- **Project linked to HS2 (High speed train in UK)**
- **Total SUD value circa 11 million euros**
- **Industrial symbiosis project (low carbon construction) approved circa 2 million euros**

# Action 2: Birmingham Clean Air



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## Tyseley Energy Park Event

Organised By: Birmingham City Council

FEB  
08  
2018

### Birmingham City Council - Clean Air

An '**Industrial Symbiosis Good Practice**' report was issued in September 2017 outlining the transformation for industrial competitiveness for Tyseley Energy Park.

The result of this development has led to a planning permission being approved for the key development of alternative low carbon and low/zero emission energy fuels.

# Webster & Horsfall site

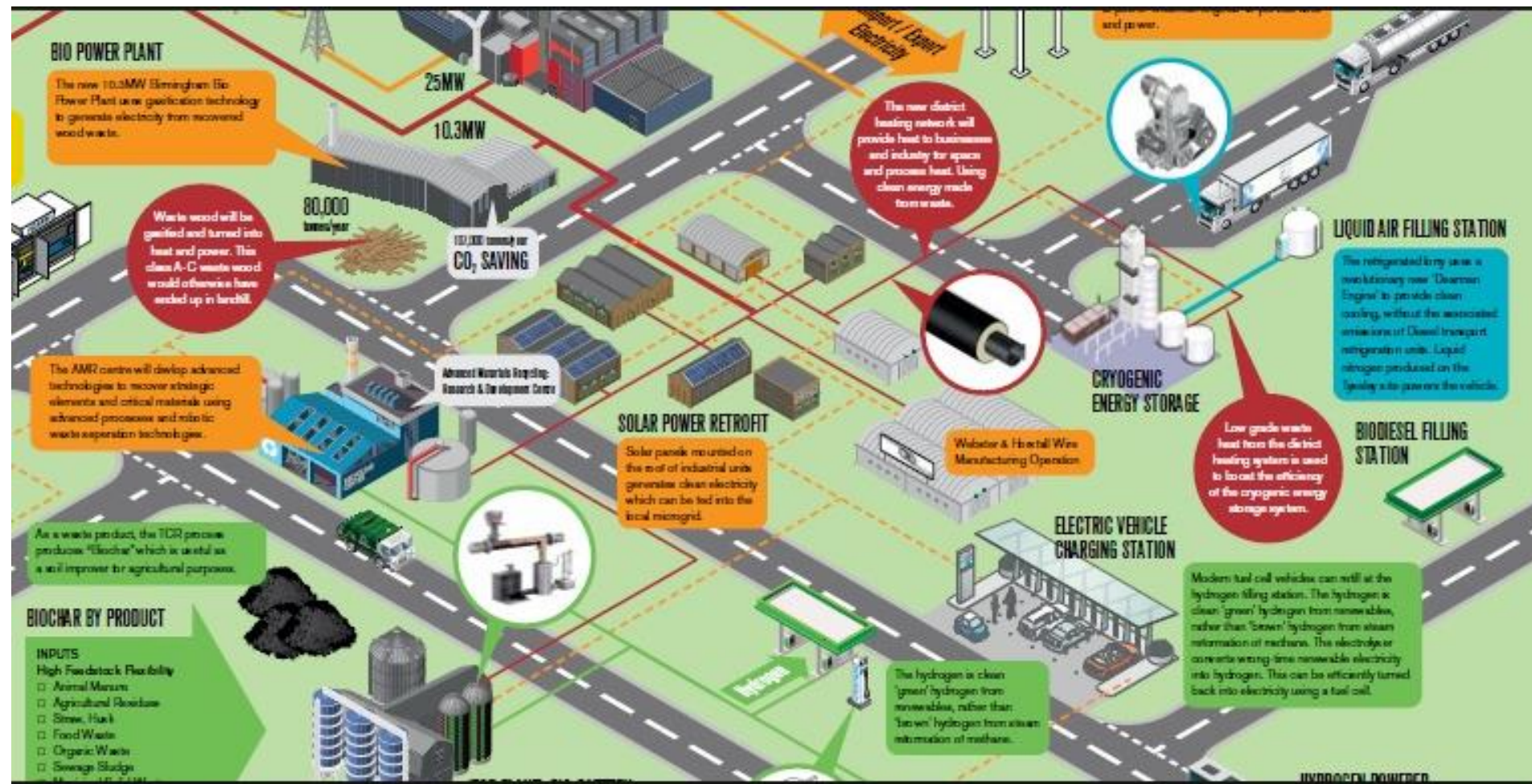


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# The future



# **Action 2: Birmingham Clean Air**

- **Tyseley Energy Park Low/zero emission re-fuelling hub is partially operational with trucks refuelling with biofuel.**
- **The hydrogen re-fuelling facilities will be fully operational from July 2021, using renewable energy from the wood gasification plant located on the same site.**
- **The Council have ordered 20 hydrogen buses to be received by the end of June 2021.**
- **The EV charge point hub, also using the renewable power at TEP, due to be deployed from Autumn 2021 following the Council's procurement of an EV provider.**

# Action 3: Alternative Raw Material of Low Impact (ARLI)



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**The University of Birmingham is offering its expertise and knowledge to assist businesses in the region**

The university is delivering a collaborative R&D approach with the SMEs in the region. This collaboration will enhance resource efficiency and develop innovative solutions to enable the reuse of materials that current go to landfill. The ARLI team of experienced academics and engineers will support businesses to develop products

efficiency gains in the use of raw or waste materials and deliver improved



Project

**TRIS**

Main  
institution  
Location

University of  
Birmingham  
Bedfordshire and  
Hertfordshire,  
United Kingdom

Start Date  
End Date

July 2017  
Ongoing



# **Action 3: Alternative Raw Material of Low Impact (ARLI)**

- **Initial funding (project ongoing) value  
€2,400,000**
- **Extension from April 2020 - June 2023,  
value €3,850,000, in GBSLEP and two  
further LEPs**
- **Total ESIF value = €6,250,000**

# Action 4: Birmingham and Solihull Industrial Symbiosis (BASIS)

Good practice:

## Birmingham and Solihull Industrial Symbiosis (BASIS)

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**The Birmingham and Solihull Industrial Symbiosis Project, or BASIS, aims to create a diverse network of businesses across the Local Enterprise Partnership (LEP)**

The project is funded through the European Union's ESIF framework and is led by Birmingham City Council.

International Synergies is the primary delivery partner and will be responsible for the engagement with

industry to provide resource efficiency support. The focus of the project will be working with SMEs and

SHARE



delivery industrial symbiosis benefits within the network, forming the mechanism



Project

**TRIS**

Main  
institution  
Location

Industrial Symbiosis  
Ltd  
West Midlands,  
United Kingdom

Start Date  
End Date

April 2017  
Ongoing

[Further information](#)

# **Action 4: Birmingham and Solihull Industrial Symbiosis (BASIS)**

- **Initial funding (project ongoing) value 1,680,000 euros,**
- **Extension from April 2020 - April 2023, value 1,876,520 euros,**
- **Total ESIF value = 3,556,520 euros (in GBSLEP)**
- **All targets reached up to date (despite Covid)!**

# **Action 4: Birmingham and Solihull Industrial Symbiosis (BASIS)**

**To date the project has delivered (launched late 2017):**

**TOTAL 314 business assists (226 C1, 35 C5, 53 C29)**

- **C1 = 12 hour business assist with SME**
- **C5 = 12 hour assist with an SME less than 12 months in existence**
- **C29 = 12 hour assist to help introduce a new product or service to the firm**

**That's the good news .....**



# Some BASIS case studies



# **Additional news (legacy)**

- **West Midlands Combined Authority (WMCA) and industrial symbiosis**
- **WMCA Circular Economy Task Force**
- **COP26 and industrial symbiosis ... an opportunity?**
- **Potential influence on Govt.**

# Thank you for listening

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