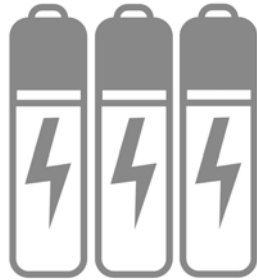
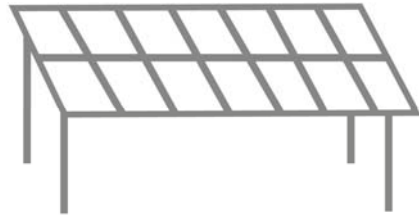


# Barnfield Solar Park: From Avoiding Landfill to Renewable Energy.....*and beyond*

*Stephen Cains*

*Public Power Solutions*

Technologies



Powering the Future

“Bridge” Model



Power Services

**1**  
Feasibility

**2**  
Development

**3**  
Procurement

**4**  
Construction support

**5**  
Asset management



# Waterside: Existing operations



Treatment of 55,000 tonnes of municipal waste, inc MRF, SRF plant and HWRC



Home to Council's vehicle fleet inc bin lorries and vans



Home to Council's housing/waste teams and PPS



Large electricity and heat load



Growing EV fleet



Long term home of Council waste operations

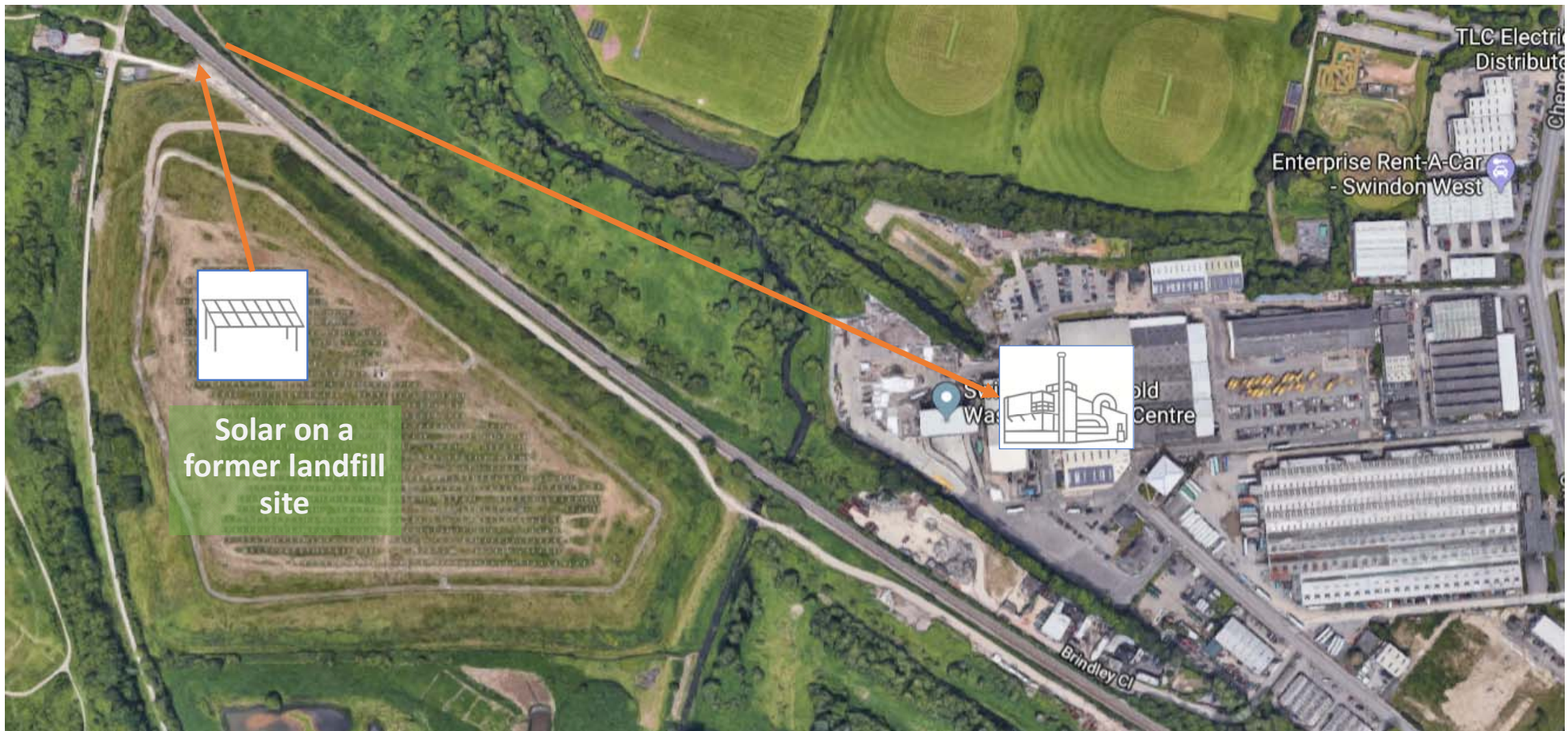


Therefore, a great location to think about energy solutions.





# Barnfield solar overview



# The Journey

## Challenges

- Multiple gas and leachate infrastructure on site
- Grid route - network rail, historic landfill, river
- Multiple stakeholders – including EA
- Private wire investment model

## Benefits

- 60% energy requirements for site now from renewable source
- Gross savings of £185,000 per annum
- Bringing value to low value asset
- Platform for innovation



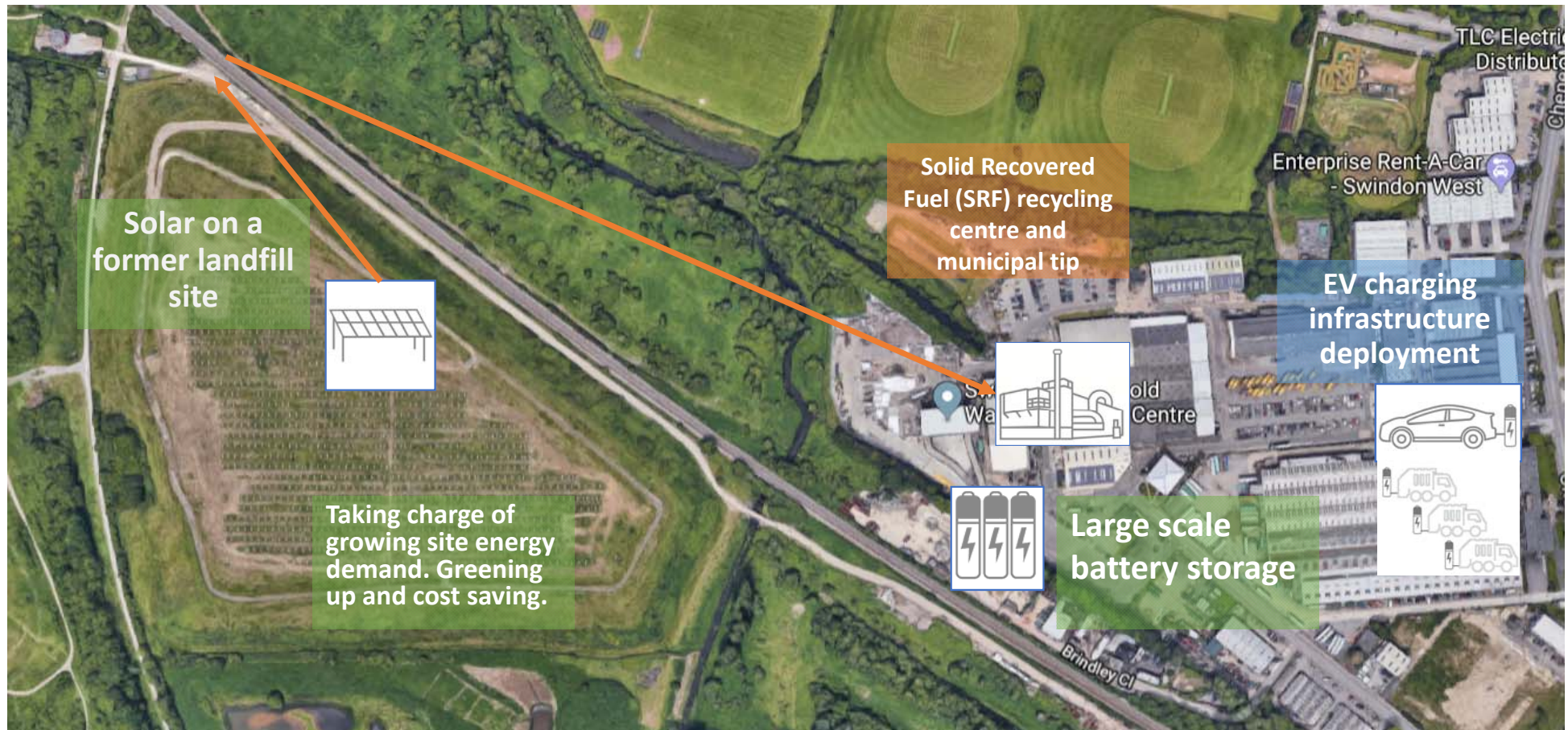


Powering the Future

# What next?

# Waterside: Swindon's Energy Innovation Hub

An example of a modular approach to developing a smart energy system

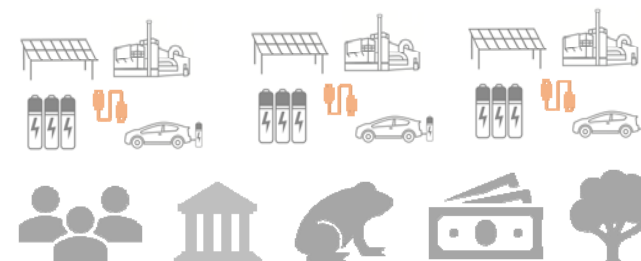
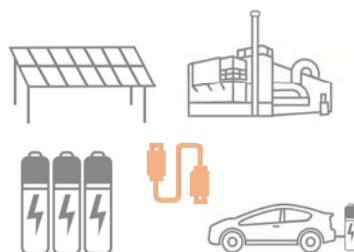
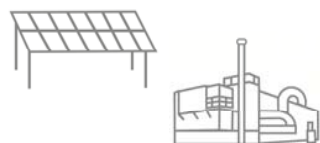




Powering the Future

# What next?

# Swindon 2030: net zero target.....





*Powering the Future*

# Any Questions?

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