

2024



Bradford Showcase

Bradford | Powering the Future



Department of Place



Sustainability Service



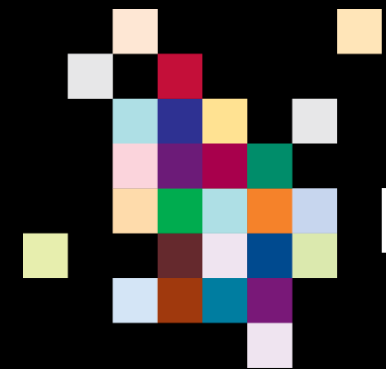
Drive in Bradford?

The Clean Air Zone still works
Passenger cars will not be charged
Check if you need to pay
Search "Drive in a Clean Air Zone"

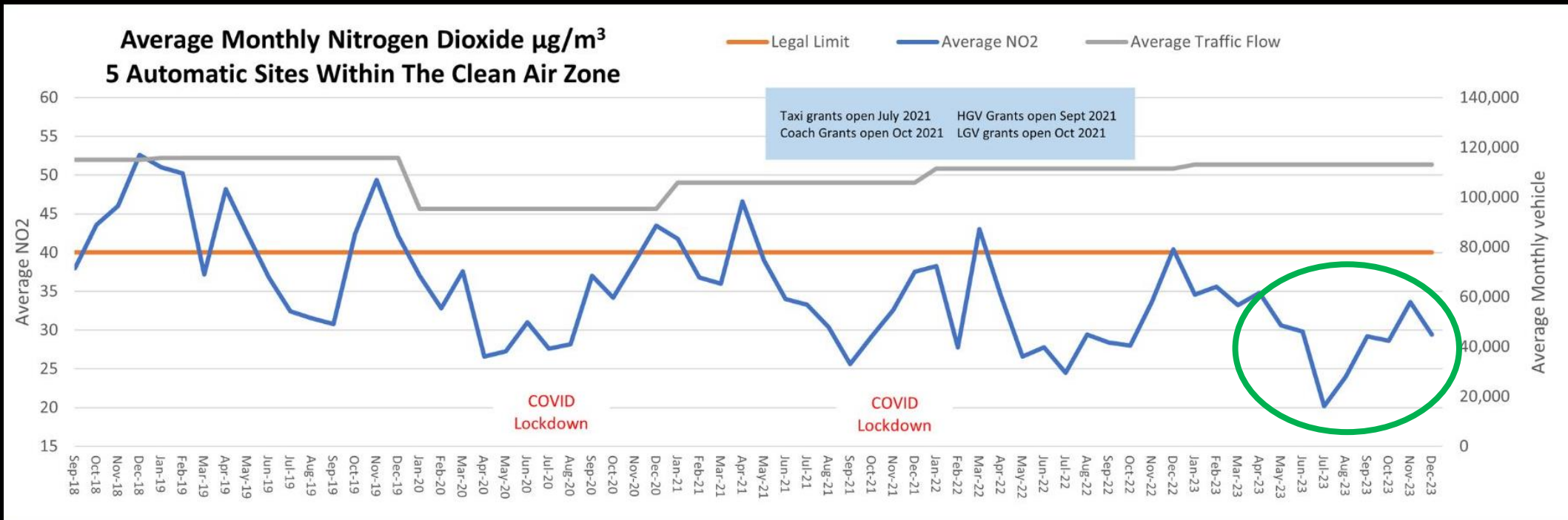
Bradford Clean Air Zone (CAZ)

- Largest Road User Charging Scheme outside London
- Lowest cost to implement (£2.5m)
- £32m Support Funding
- 65m vehicles per annum
- Non-compliance rate 1.5%
- Lowest ever recorded levels of NO₂
- HIA carried out by Born in Bradford
- 150,000 tonnes reduction in CO₂e

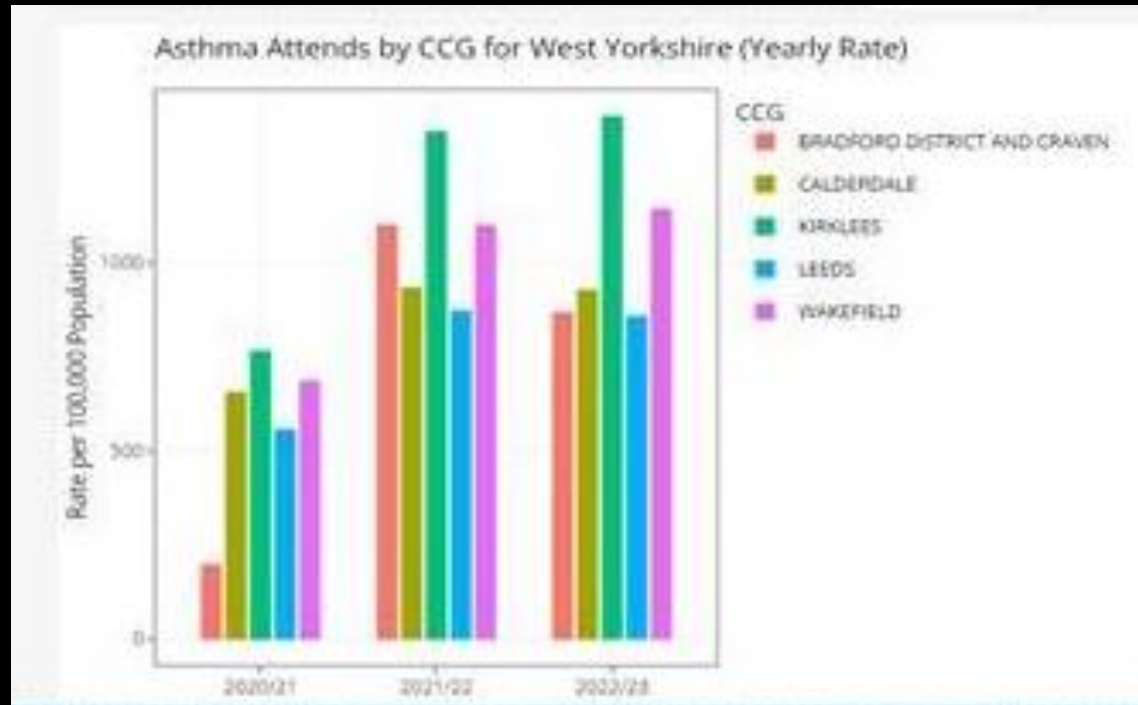
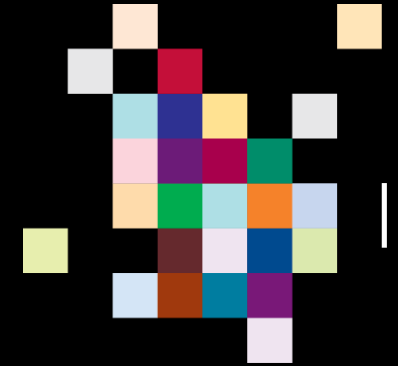
Air Quality to Dec 2023



Lowest levels of NO2 recorded since the CAZ was implemented



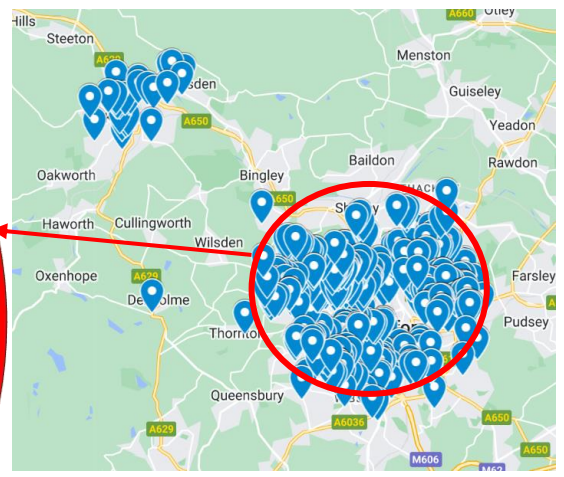
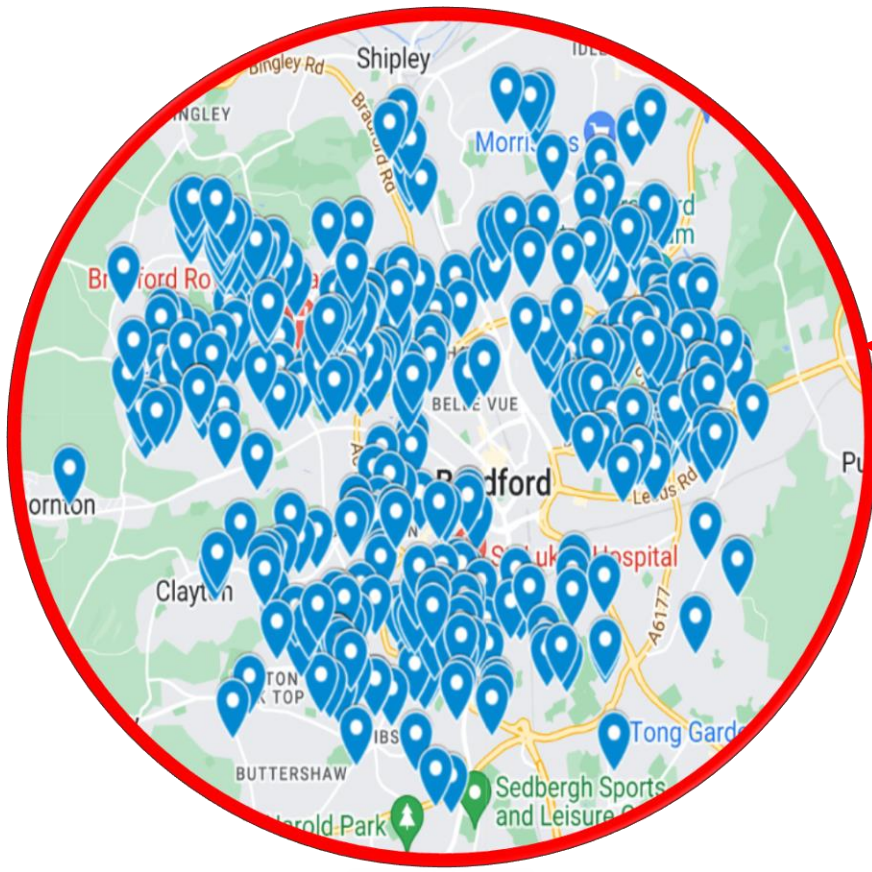
Health Benefits for All



- **Currently 1 in 5 children in Bradford has a reported breathing issue**
- Emerging Health Data indicates reduction in admissions to hospital:
 - Small birth weight babies
 - Cardiovascular, respiratory disease & COPD
 - Asthma
 - Effect on chromosomes



EV Taxi Grant Applications

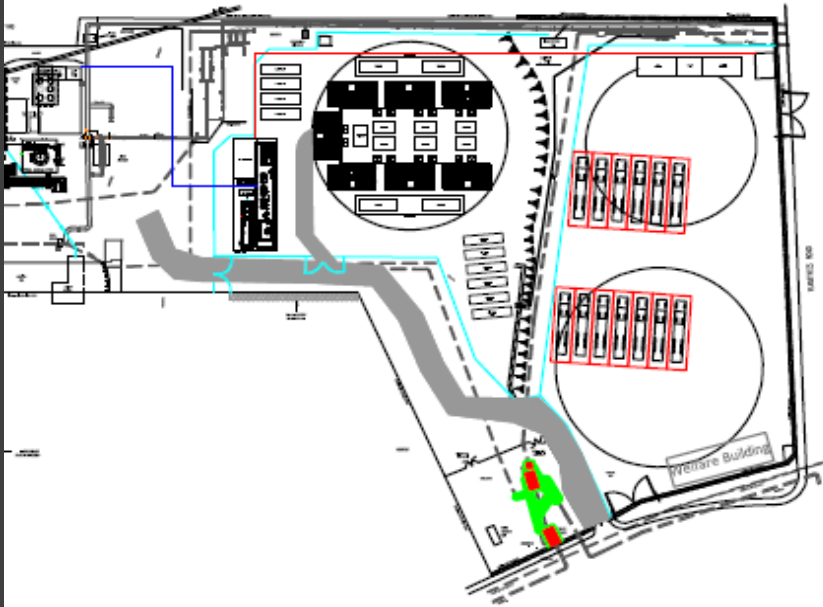


Electric Vehicle Strategy

- 8,000 EV movements CAZ/day
 - EV Taxi Programme
 - EV Van Programme
 - EV Truck Pilot
 - £4m EV Charging Investment
 - Investment Opportunities
-



HyBradford



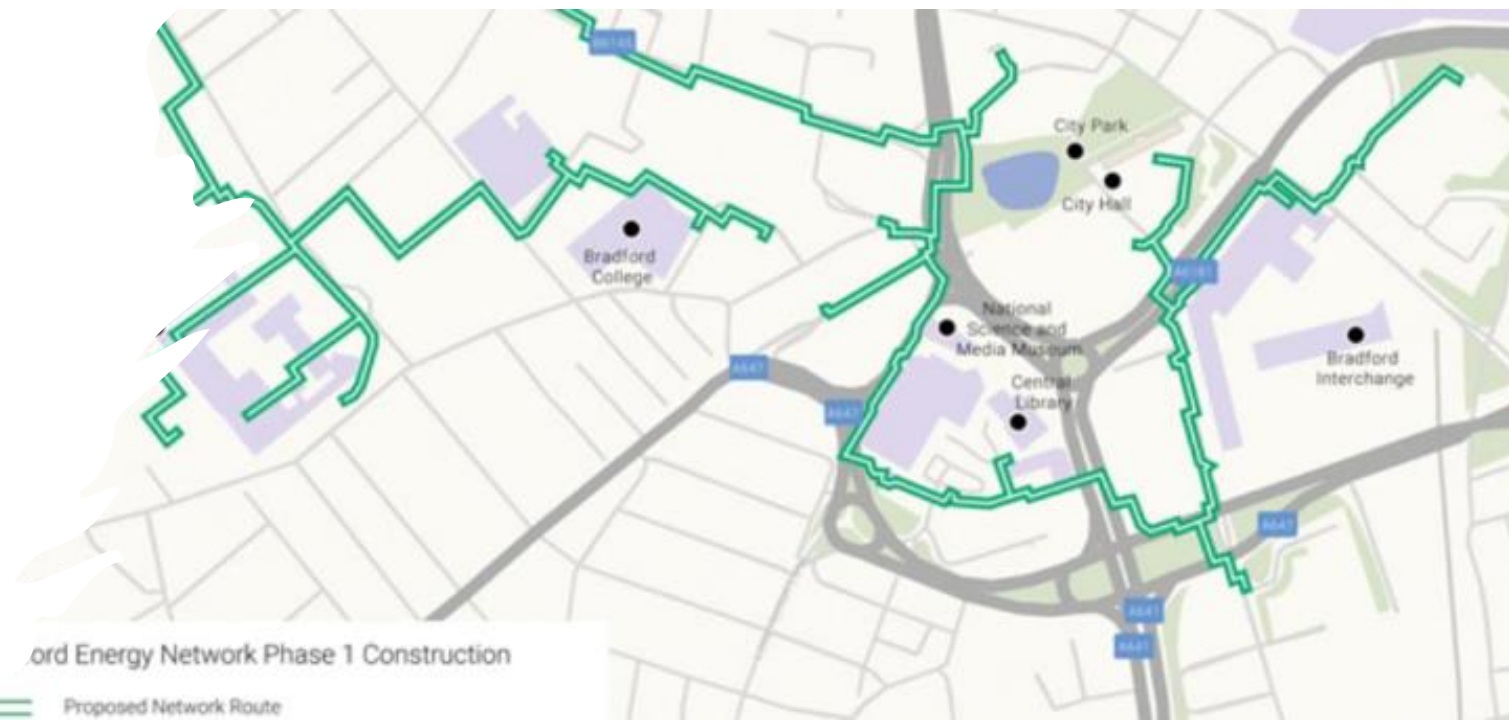
Breathe easy

You're following the world's
hydrogen double decker bus

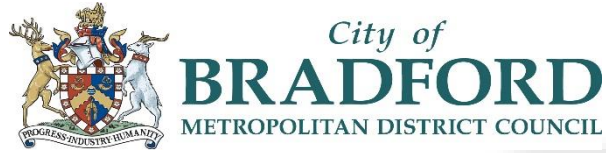
LX71 A0S



District Heat Network



Bradford Manufacturing Futures



UNIVERSITY of
BRADFORD



Texfelt
Underlay & Foam Replacement Technology

Teconnex
MAKING CONNECTIONS

DENSO
Crafting the Core

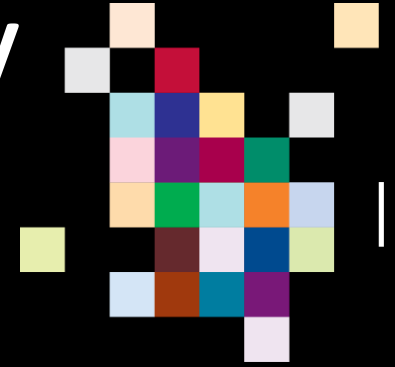
Co-funded by Innovate UK

Calbee



UK Research
and Innovation

The challenge and the opportunity

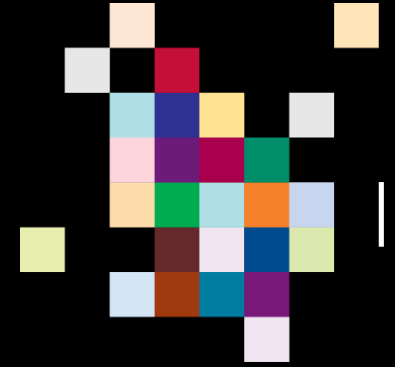


- **Bradford District's manufacturing sector is diverse**
 - 1,220 businesses
 - 12.6% of jobs in District (c. 7.6% UK)
 - 0.7Mtpa CO2 emissions.
 - Chemicals, Food, Basic Metals, Mineral Products and Metal Fabrication, which produce 52% of the district's CO2 emissions
- **Energy cost increases threaten continuing operations and investment**
- **Net zero commitments could be the final straw – or a transformational opportunity:**

Creating long-term competitive advantage for manufacturers in Bradford District through access to lowest-cost renewable heat and power



Strategic Outcomes



Industrial Energy Integration and Decarbonisation Master Plan for Bradford District with options for future viability.

Report on the 'Green' skills needed to support delivery of Manufacturing Futures vision.

Prospectus for District LIDP inward investment.

GIS mapping to inform Planning strategy.





Anaerobic Digestion & Renewable
Transport Fuel Production

Net Zero Transport Strategy



ILLUSTRATIVE PURPOSES ONLY