



Alectro

Futureproof your footprint.

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Undeniably, Climate Change is here.

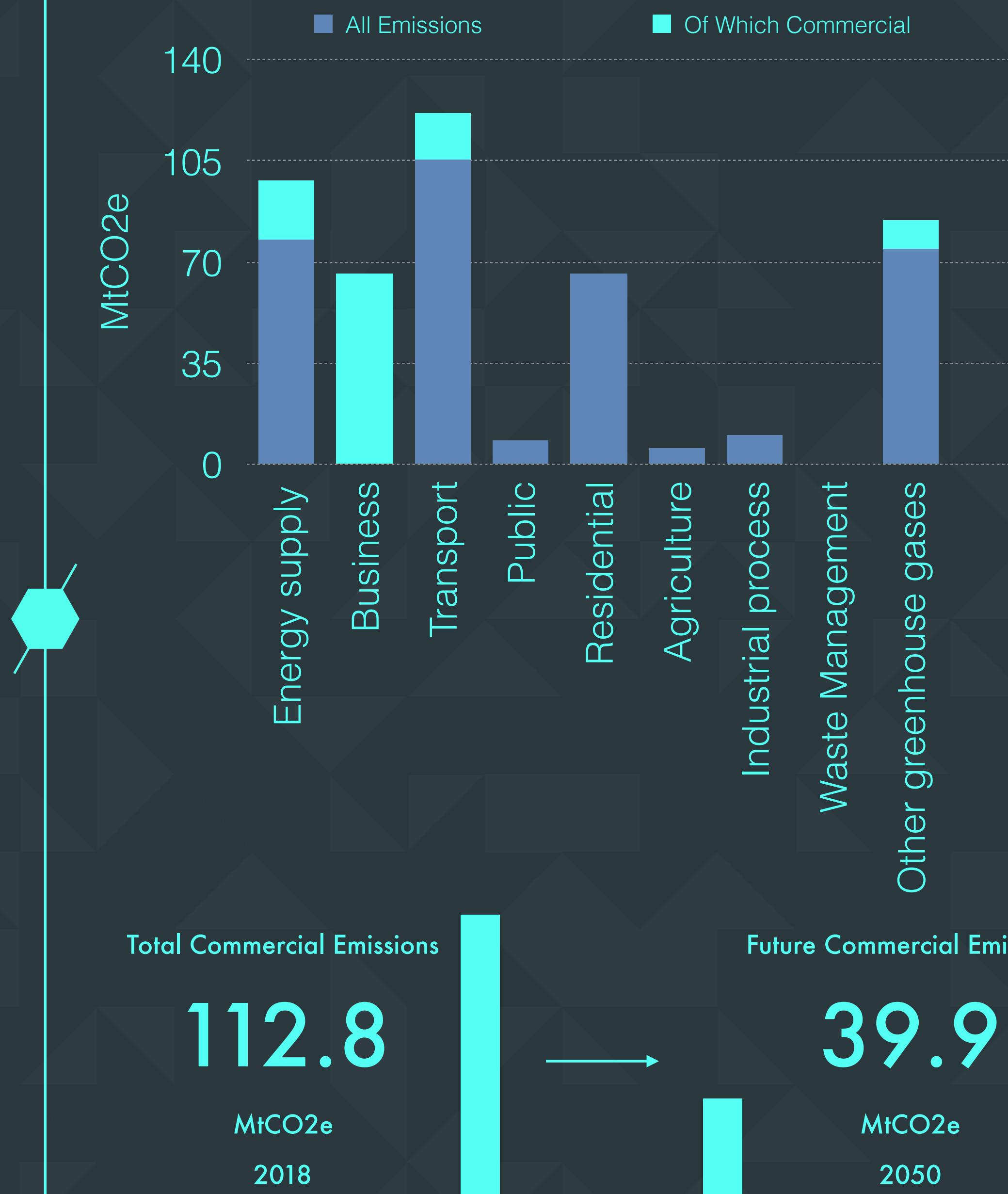
In the past century, the population has exploded and now the energy required to sustain the growth is higher than it's ever been. Energy is central to all of our lives, but the repercussions of using this energy cannot be ignored - most immediately in the form of emissions, and the damage these do to the environment. Renewable energy provision is growing: it has doubled in capacity since 2000, but this still only amounts to 10% of global energy produced, up from 7% in 2000. Most energy is still produced from fossil fuels and the sheer quantity of them being used is leading to severe and irreversible change.



Huge steps have recently been taken to turn around the fate of this planet. COP21 is the first globally accepted climate change treaty and aims to limit temperature rise to 2 °C above pre-industrial limits. In the United States a new wave of voters are supporting the *Green New Deal* and in Europe, inspired by *Greta Thunberg*, *Extinction Rebellion* are showing that they'll stop at nothing to force serious climate action. To hit the target stipulated at COP21, the world must **stop** emission growth by 2020 and then reduce emissions by 80% compared to 1990 levels by 2050.



These changes must propagate through all parts of our lives. Whereas suggested domestic changes are available everywhere and technological innovations promise much in the transport sector, the commercial sector must balance their reductions with direct economic growth. The responsibility for ensuring action is taken lies with business controllers, and this is all too often deprioritised.



Growing the economy, and cutting emissions.

The UK has legally binding climate restriction, with *The Climate Change Act 2008* setting the country's emission reduction targets. The legally binding targets stipulate a reduction of least 80% by 2050 (against the 1990 baseline), across all sectors.

Nowhere is the impact of emission reduction felt so directly as the commercial sector. As the UK has made full use of the globalisation of economies, the commercial sector has thrived and helped the UK's economy remain one of the most buoyant in the world.

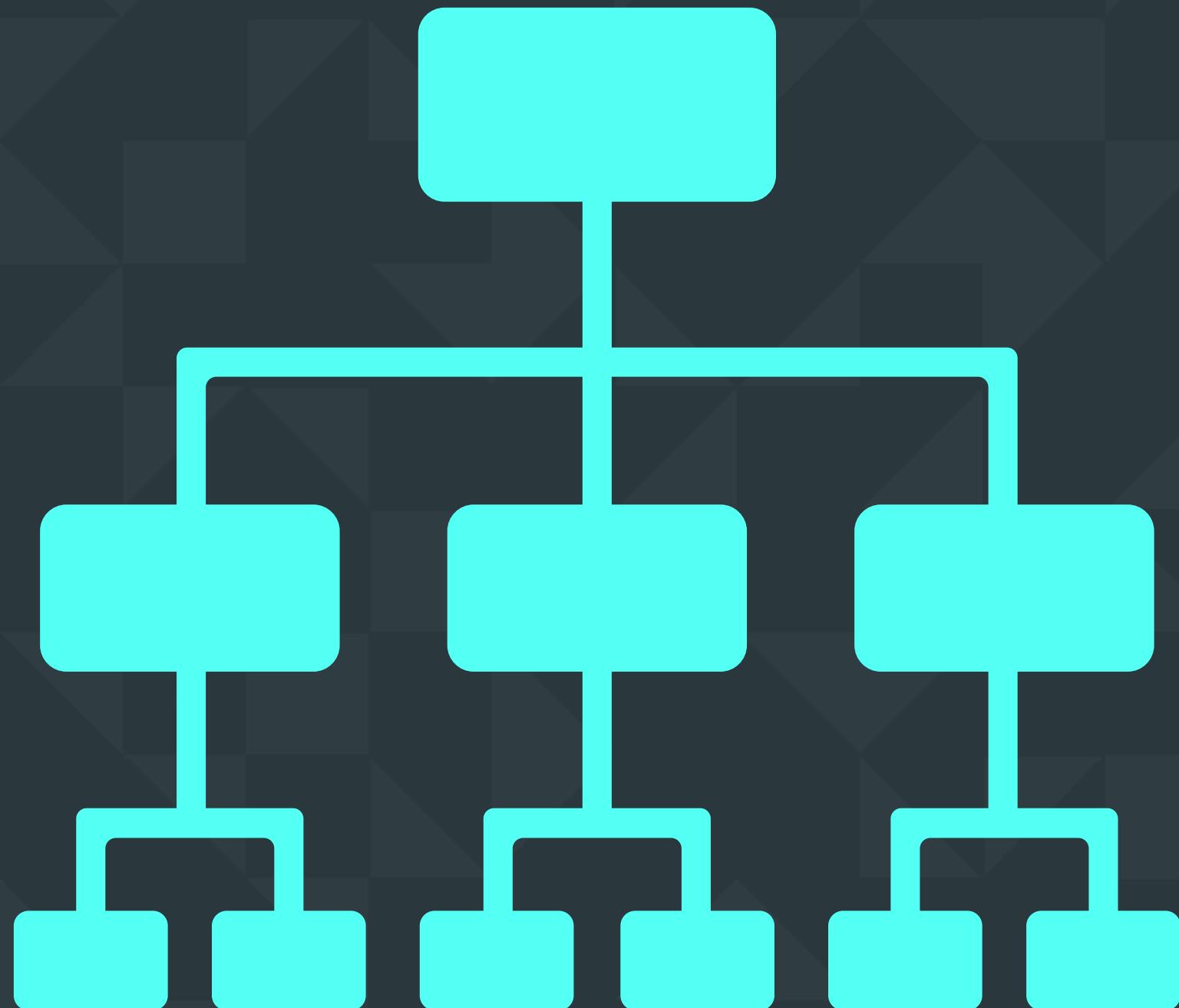
Although all sectors must cut their emissions in line with stipulated targets, the commercial sector faces the additional challenge of doing this whilst simultaneously helping to grow the economy.

ESOS, and beyond.

The crack-down on responsibility of emissions has already begun in the commercial sector. In December 2015, the first deadline for the Energy Savings Opportunity Scheme (ESOS) was agreed. ESOS requires all large businesses in the UK to undertake mandatory assessments looking at energy use and energy efficiency opportunities.

The aim of ESOS is for large businesses to identify energy savings opportunities through energy and emission audits, as mandated by legislation. Failure to conduct an ESOS audit could see companies liable for fines of up to £50,000.

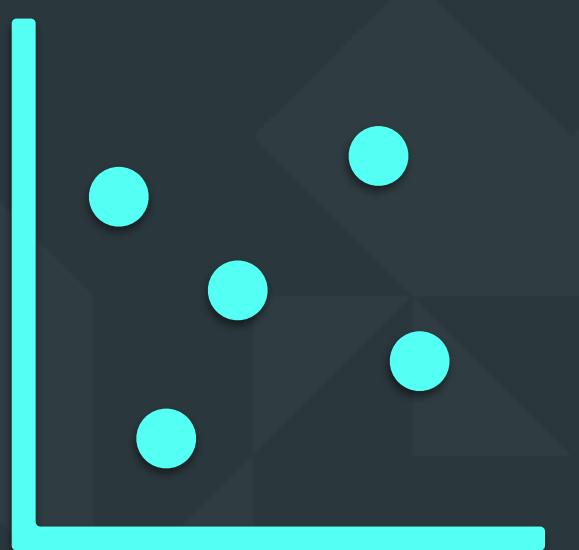
ESOS currently only requires large companies (either greater than 250 employees, or turnover of €50M) to comply with the scheme, but as further energy and emissions saving is sought in the UK, this will be extended to SMEs where current specialists and auditors are lacking.



Enter, Alectro.

Alectro is an analytics and technology company which will improve a business' sustainability and lower its footprint. These changes contribute to a greener world whilst protecting the companies' financial growth in the face of impending environmental legislation and regulation.

Using our propriety software, Ada, we're able to deliver deep insight into current operations. We unlock the potential of your unexplored information to create actionable data to put you in control of your footprint, and your future.



Analyse



Compare



Act

Our leading industry insight allows us to provide you relevant comparisons and benchmarks against competitors. By giving you your data, and providing direct comparisons to industry averages, Alectro becomes an enabler to allow you to recognise high potential emission reductions and be confident of how you compare today.

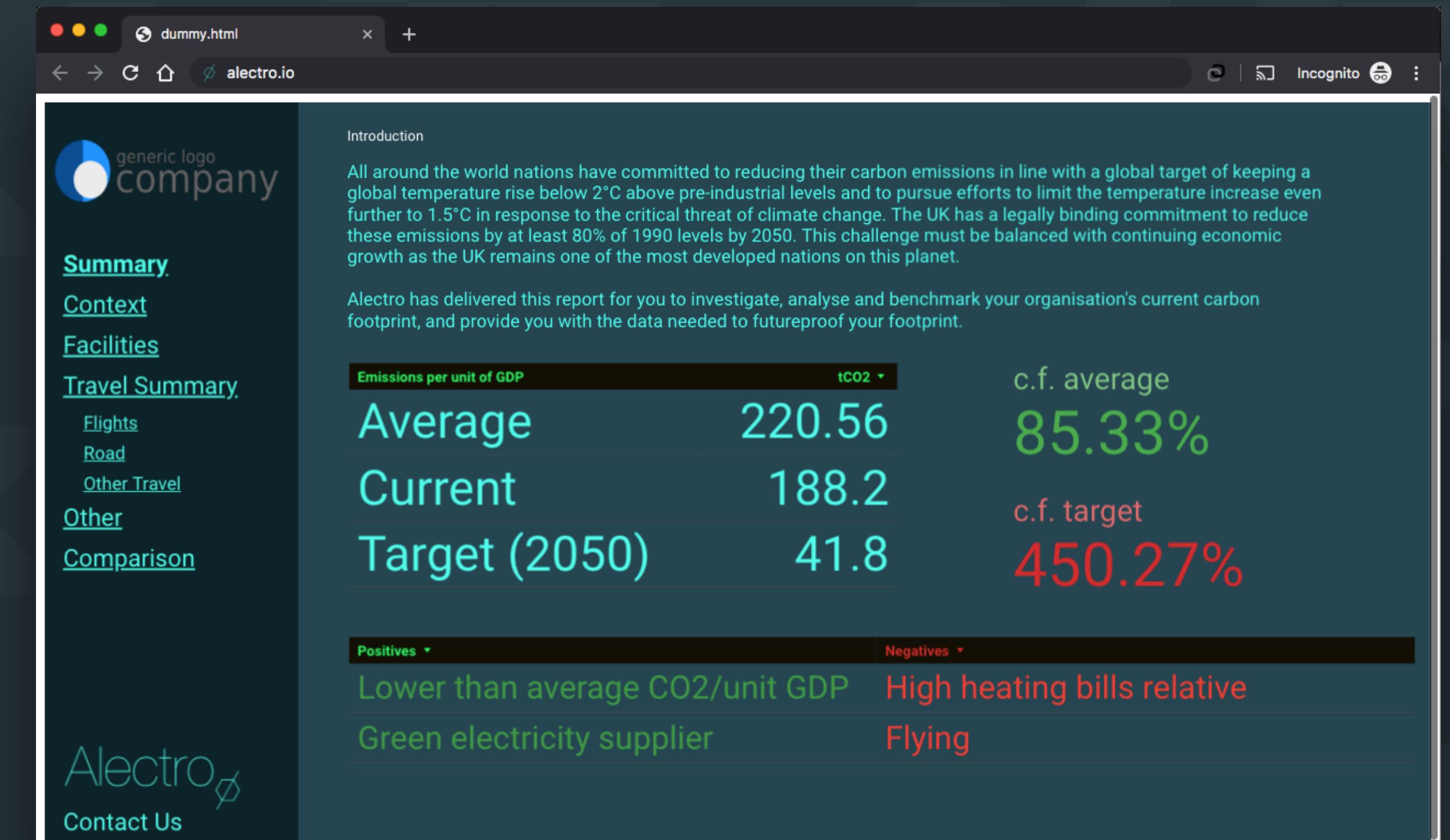
Leveraging the power of deep insight we use big data analytics and market intelligence to put you in control of making effective changes to make sure you're comfortable with your footprint, and to ensure that you become a trailblazer of industry change.



Ada™

Alectro's proprietary, in-house technology is capable of taking inputs and transforming them into deep insight. Ada compares against industry benchmarks and provides relevant outputs to give you the information you need to stay in control of your footprint and prepare for the future.

Ada delivers results through any modern browser, making interactive results accessible to anyone who needs access.



Ada™ Outputs

Dashboard outputs deliver the most relevant data direct to those who need to see it.

generic logo company

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[Other](#)

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Context

GDP

4K

3K

2K

1K

0

1 Jan 2018

1 Jan 2020

1 Jan 2022

1 Jan 2024

Office Temp.

35

30

25

20

15

10

5

0

January

February

December

November

October

March

April

May

June

July

August

September

Facilities

Source of heat:

Gas

Office Temp.

30%

70%

Traditional

Clean

Flights

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Current GDP/capita is XXXXX which puts the British public amongst the wealthiest in the world (XXX/XXX?). To meet climate targets, and with expected economic growth, 2050 CO2/£1000GDP has to be cut by XXX% compared with current CO2/£1000GDP is XXX tCO2

The commercial sector accounts for XXX% of current emissions, but significant cuts must be made by 2050 to reach targets, with no room for manoeuvre. Simply put, companies of the future will not be allowed to benefit at the expense of environmental negligence. XXX's journey to reducing its footprint starts now.

flights taken

152

km flown

364,040

kgCO₂

77,906

% of emissions

41.40%

CO₂/£1000GDP

41.67

Tonnes of CO₂ produced per £1000000 of revenue

Target 2050

Results and Benefits.

Alectro delivers results in three forms:

- Interactive dashboards in the cloud: for analysing trends in more detail, and exploring possible avenues for improvement.
- Visual Report: for top level insight, readable on the go with key metrics highlighted.
- Written Report: a formal record of the analytic project, including outcomes and results. The written report can be used to delivered results externally if required.

These reports are based off a central database which allows Alectro to provide updates at fixed time periods (suggested annual) to allows your company to assess progress against stipulated targets.

Alectro works with you in partnership to visualised year-on-year reductions, solidify green credentials and ensure your corporate social responsibilities are delivered accurately and in a useable format.

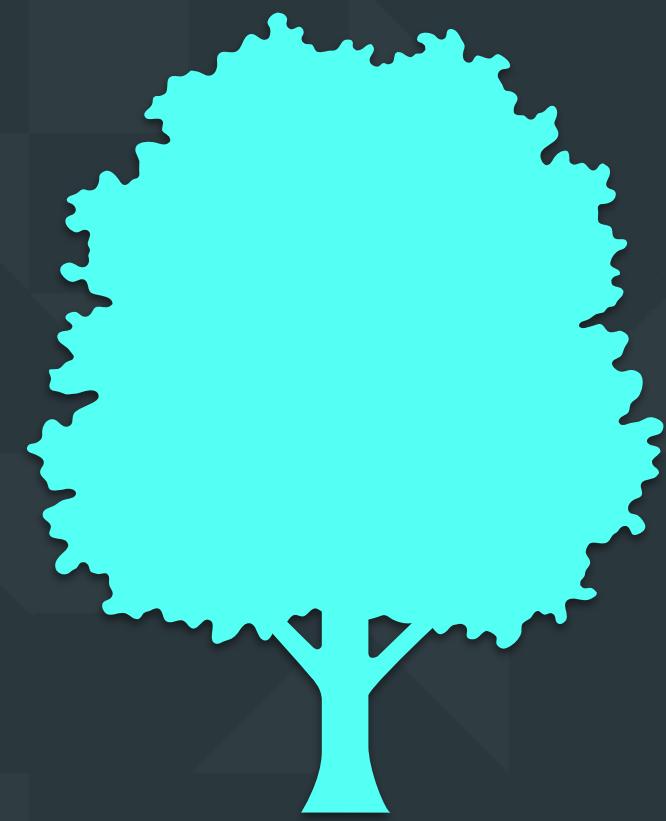


Taking it to the next stage.

As we drill-down into your data, we'll find areas of high relative energy use, and thus resulting emissions.

We can work directly with you to investigate opportunities to reduce these emissions through various schemes, changes and improvements.

Working in partnership, we can deliver full-cycle improvements and emissions offsetting examples and help you to implement the changes efficiently and to maximum effect to ensure that you're in the best possible position for changes in the future.



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