



The footprint of humanity

Climathon 2020

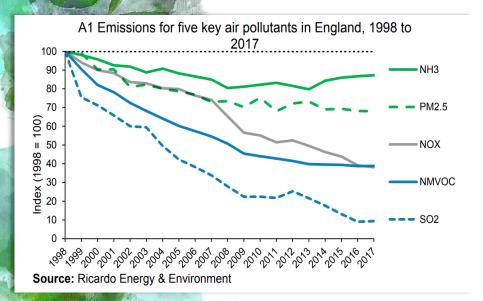
24th - 25th October 2020



Air Pollution - Health Risks Key Facts

- Ambient is a major cause of death.
- Estimated 4.2 million premature deaths globally
- Pollutants with the strongest evidence for public health concern
 - include particulate matter (PM), ozone (O3), nitrogen dioxide (NO2) and sulphur dioxide (SO2)
- Pollutants impact earth's climate and ecosystems globally

Air Pollution – Health Risks Key Facts

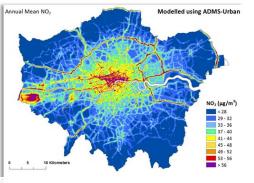


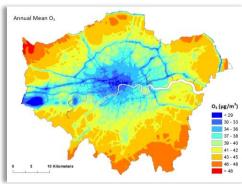
- Over the last 5 years <u>annual emissions</u> of key pollutants sulphur dioxide (SO2) and nitrogen oxides (NOX) have fallen.
- Fine particulate matter (PM2.5) and nonmethane volatile organic compounds (VOC) have levelled off. Ammonia (NH3) levels have increased
- Required to take <u>Clean Air Strategies</u> to minimise emission effect.
- Environment Bill 2019-20 introduces a duty to set a target for PM2.5

Air Quality of UK



UK Government - Air Quality





London Map

London Map

- UK industry will receive around £350 million to cut down carbon emissions by 2050 (Net Zero Target)
- PM Boris Johnson has committed to £350 million to fuel green recovery



Value Proposition - High Level

- To help facilitate the UK Government to meets 2050 Net Zero Targets.
- Significant positive impact of public health; lower air pollution related diseases. Healthier population and lower burden on NHS, leading to significant cost saving.
- Increased awareness of individual contributions to overall national emissions.
- Long-term shift in terms of taking ownership and addressing this issue at individual and national level.
- Potential uplift on house process in area achieving lower air pollution levels.



Value Proposition
- Application Features

- Dashboard of metrics.
- National level heat map indicating air pollution concentration levels.
- Personalised emissions traceability map.
- East to follow, intuitive application with user help tools (such as learn, find out more, how it works).
- Data privacy rules (GDPR) complaint.
- Education aspect details of what particle matter and air pollution.
- Login via email, Google, social media accounts.



Competitor Analysis

Competitors:

- Air Visuals
- BreezoMeter
- Plume Labs Air Quality
- AirMatters



Competitor Application Capabilities:

- Monitoring and measuring air pollution across regions
- Using air quality monitoring stations
- Air monitors are generally made for the home
- Some air quality sensors for on-the-go attachments

Competitor Application Limitations:

- Devices are not cost effective
- Better data integration requires to streamline live data of air conditions
- Doesn't track car pollution specifically
- Hour by Hour forecasting

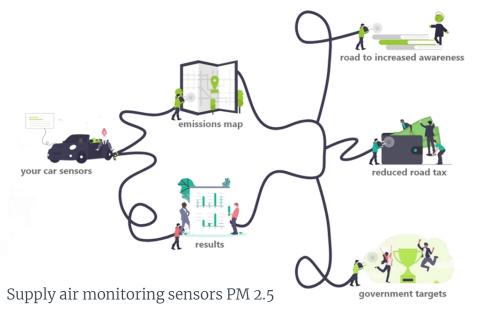


Unique Value Proposition

- Real-time data tracking at personal and national level.
- First attempt to meet UK's zero emissions target via such a digital solution.
- Individual and business with positive contributions given road tax reliefs, and other incentives.



Parico₂ Features



Can be installed on any vehicle and provide personalised Kit

Several data-collecting stations

Artificial Intelligence to calculate real-time air quality accurately





Future Roadmap

- Extending to petrol vehicles with a view to eventually phase them out
- Collaboration with environment research organisations across UK, Europe and across the world to help them leverage the data collected to make further advances in their research/findings and ensuring direction of their research is in line with where the need is as per the data collected.
- Advanced and more deep dive Statics/Metrics to get more insights into data emissions and their traceability.

Our Team for Parico2



Project Leader



Multimedia Designer - Frontend



Software Developer - JavaScript



DevOps Senior Engineer



Product Designer



Visual Arts Engineer