

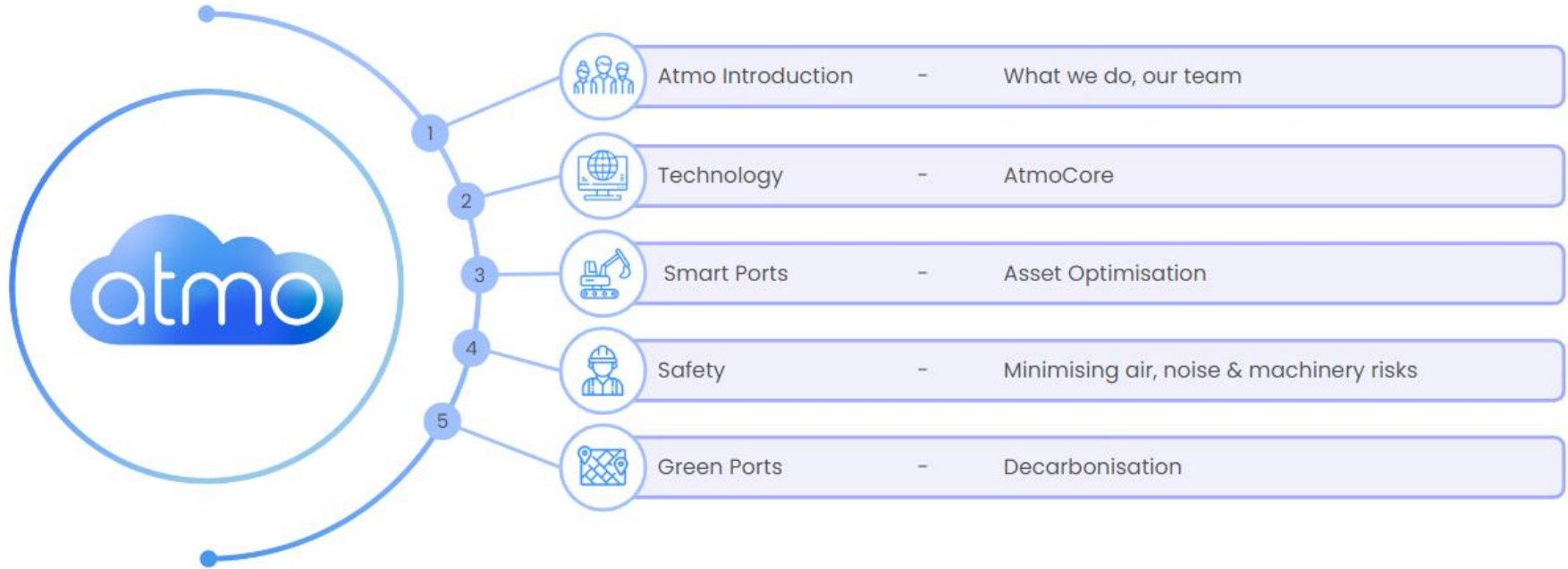
Smart + Green Ports



Guy Barkley

CEO & Founder

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1. Introduction

- What we do, Our team



Asset Optimisation



Generate a return on investment by identifying inefficiencies

Health & Safety



Minimise exposure and protect your staff

Environmental Data



Understand sources of emissions and root causes



Decarbonisation



Tools to inform a cost effective roadmap to decarbonise

Team



Guy Barkley
Founder & CEO



Madeleine Muir
COO



Sharon Heideman
Head of Compliance



Kieran Rafferty
Senior Account Director



Carla Pires
CRM



Cristiana Veloso
Commercial & Data



James Dyer
Data Science



Fynn O'Connor
Data and Product Dev



Craig Hammock
Data Science



Aravind Tumuluri
Solutions Architect



Patrick Thomas
Product Development



Tobi Taiwo
Site Ops and Product Dev



Joe Johnson
Product Dev Placement



Chloe Groff
Product Dev Placement

Environment

Visualise in real time

Assets

Optimise sites and fleets

Data

All in one place

AtmoCore™

Live asset & environmental insights, all in one place.

Atmo specialises in using many different types of sensors and real-time data transmissions, providing KPIs to support efficiently run sites and to ensure a safe working environment.



Emissions

Reduce emissions by identifying root causes. Support permit and compliance requirements.



Staff safety

Minimise exposure and support EH40 & noise compliance = fewer sick days and a more productive workforce.



Decarbonisation

Rank on-site assets by emissions and determine the optimal decarbonisation strategy per £ invested.



Site & fleet

Track your assets in real time. Understand when, where and how assets are used



Efficiency

Identify under-utilised assets; reduce downtime. Optimise journeys & routing.



Maintenance

Enable predictive maintenance and highlight unreliable assets



Integrate

Save time and remove data silos, with existing and new datasets all in Atmocore.



Scale

From macro performance across a portfolio of sites and multiple fleets, to individual



Visual & Intuitive

Easy to digest information, track KPIs and implement change

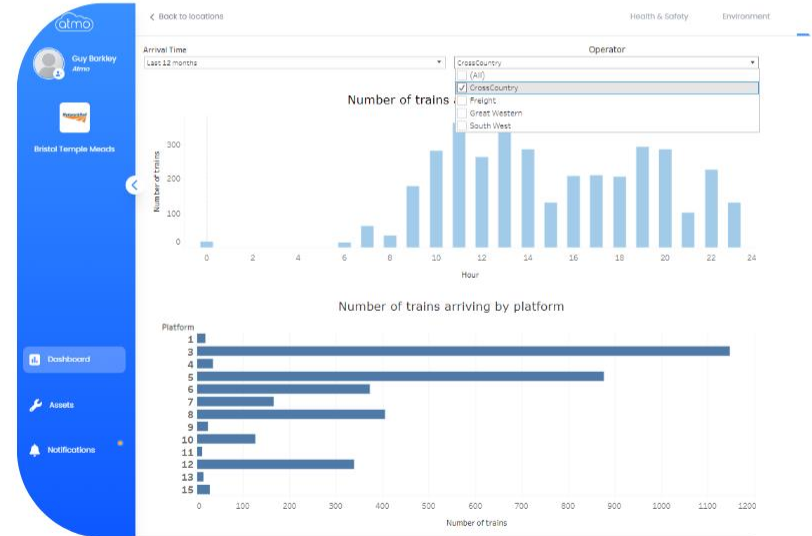
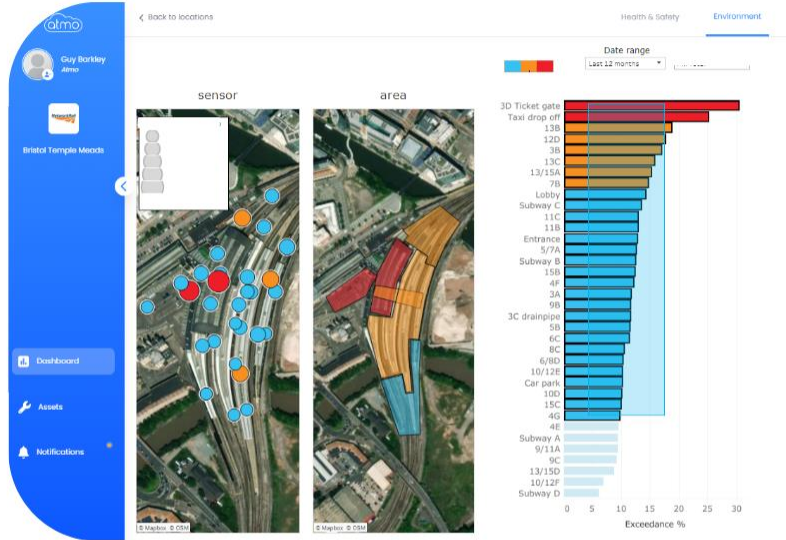


2. Technology

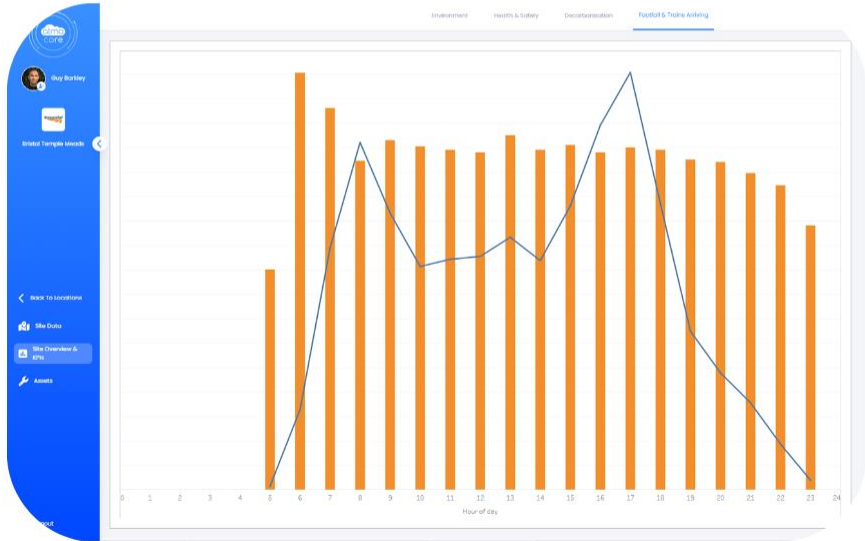
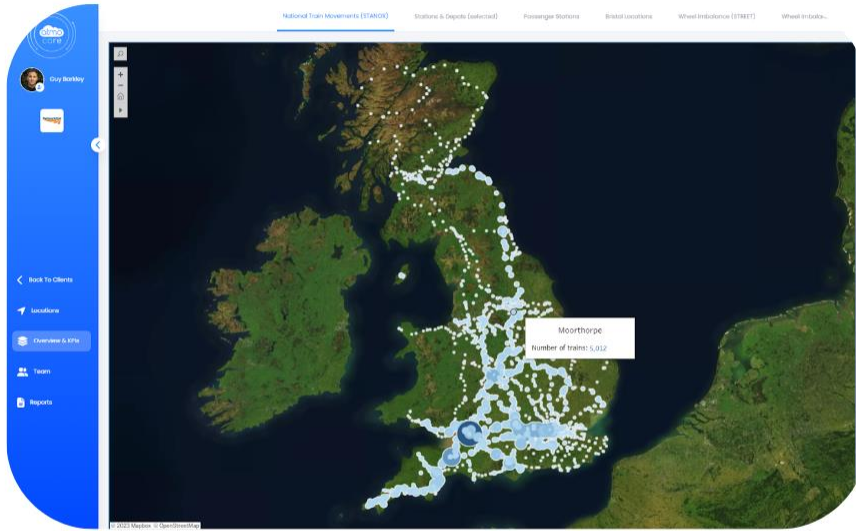
- Digital twins of site, AtmoCore

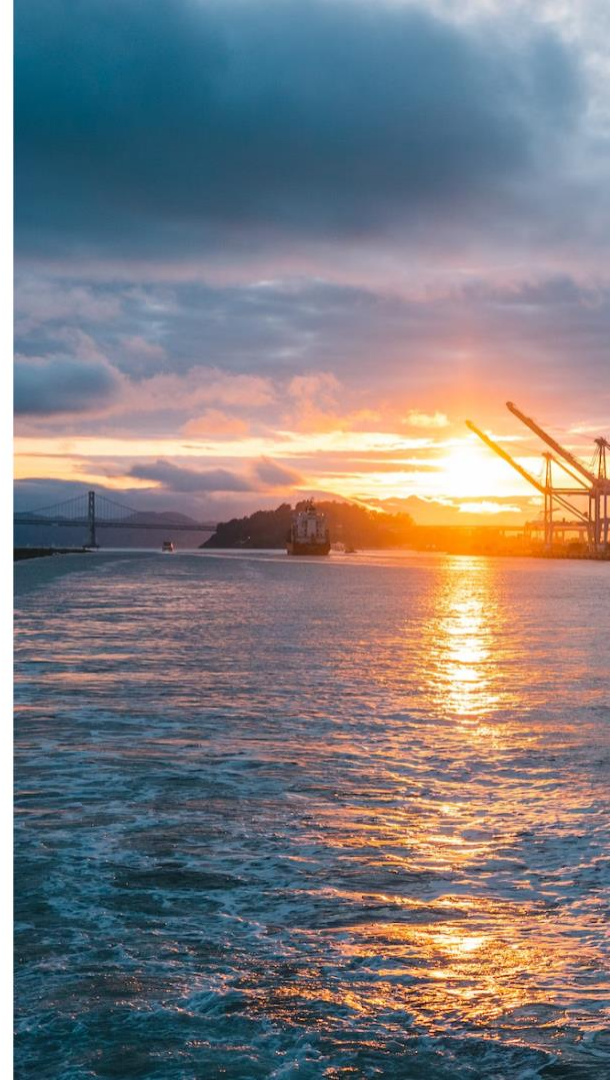


Data Analysis



Software







3. Asset Optimisation

– Smart Ports



Assets - TOC Train Depot



Assets:

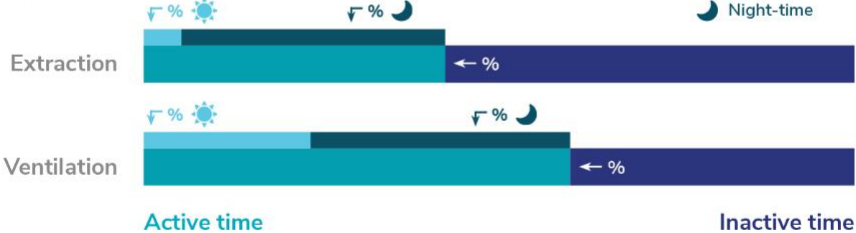
Active time

Inactive time



Systems:

☀ Day-time
🌙 Night-time



Active time

Inactive time



Hinkley C



Identified

£7 FIG
SAVINGS

through efficient use of
on-site assets

Efficiency Increase



on dust suppression systems

Smart Depots



Scope



Machinery
(Cranes, plant etc.)



Energy Data



Enviro + Safety



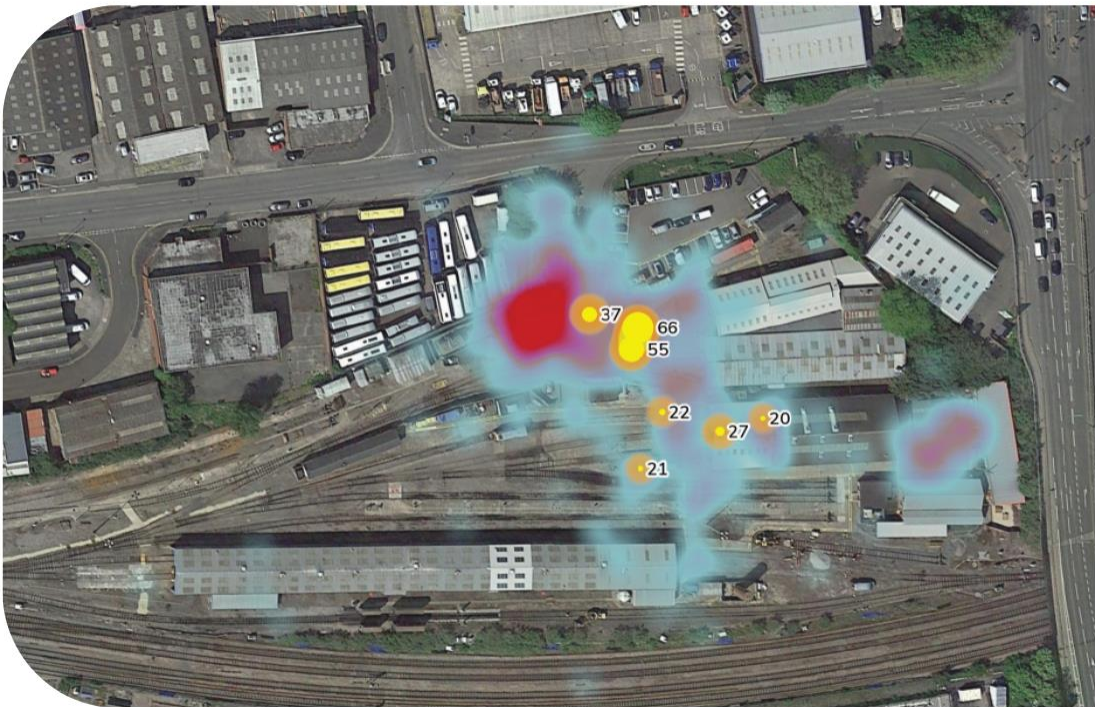


4. Safety

- Air, noise & separating people & machinery



Assets & Air Quality



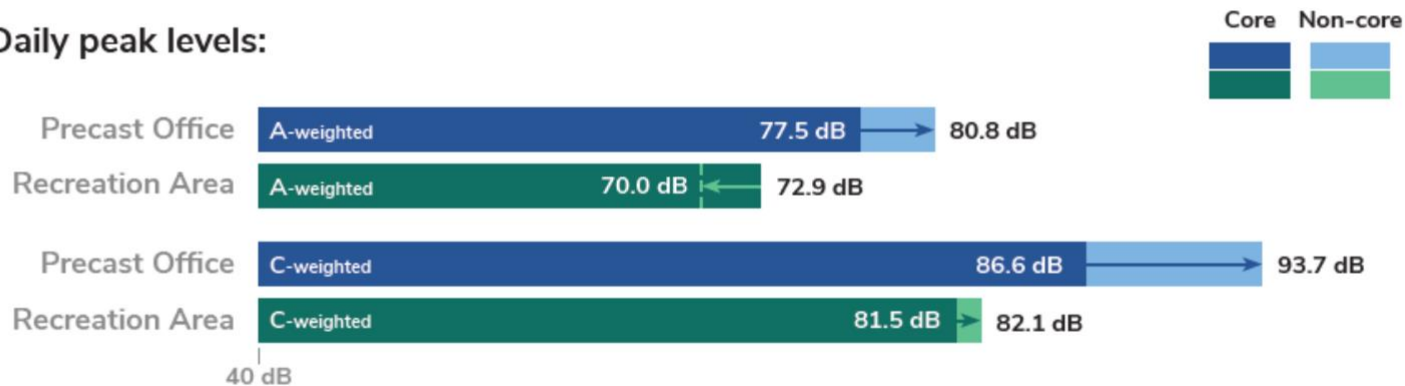
Noise



Peak noise levels



Daily peak levels:



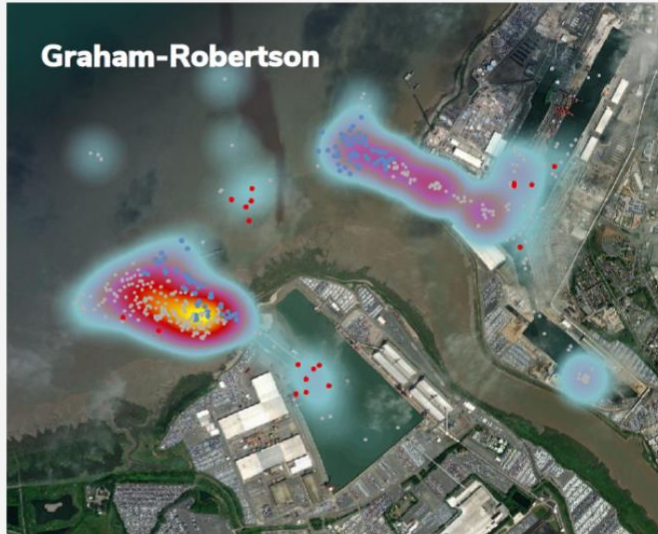


5. Decarbonisation

Green Ports, AtmoCore



Bristol Port – Decarbonisation



Dredging Vessel Location Density



PM2.5 Exceedance Probability



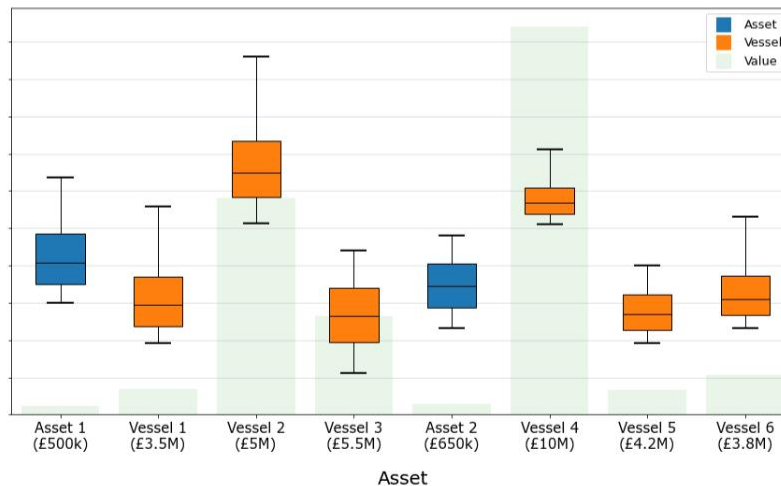
Decarbonisation



Identify Low Hanging Fruit



- Compare real-world emissions
- Rank assets on-site
- BEFORE spending big money



Q&A, Obrigado!

Thank You

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Maximise efficiency
Reduce emissions
Save lives