CLOCS SAFETY FORUM

CONSTRUCTION LOGISTICS AND THE ROLE OF CLOCS, FORS & THE CLP

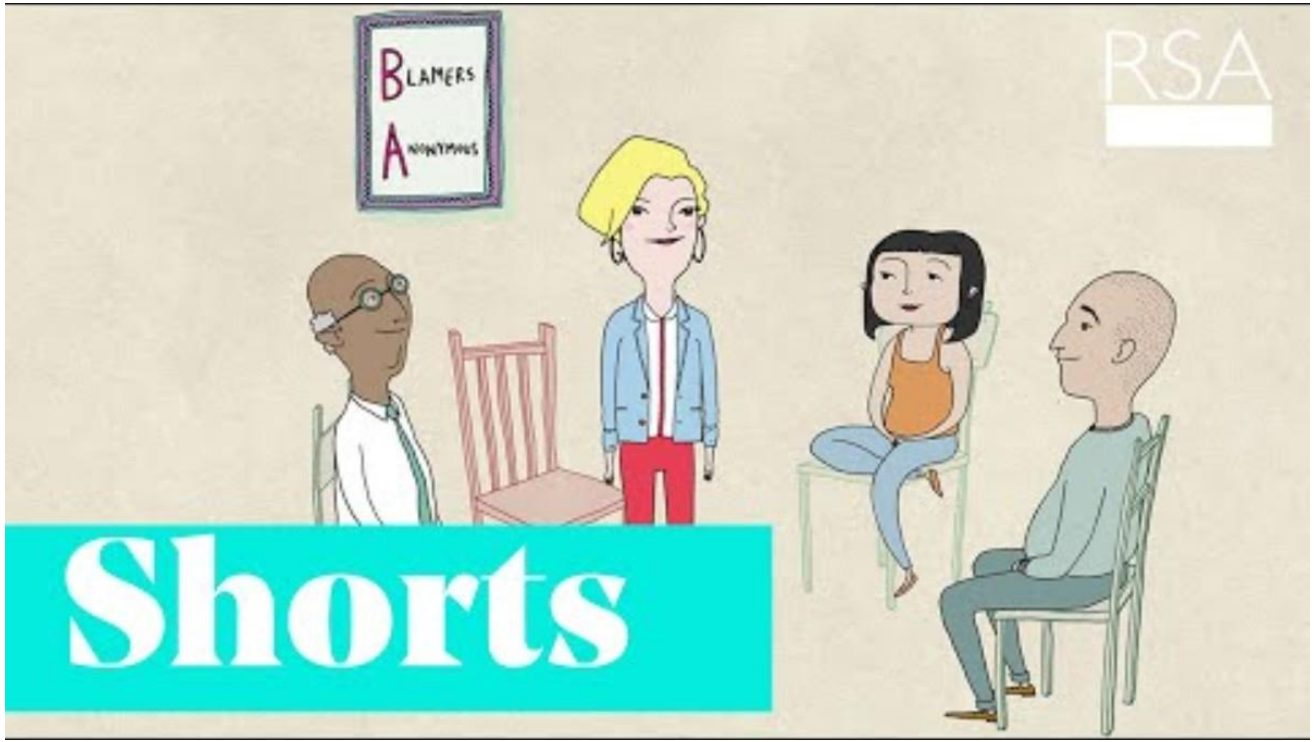
24TH JULY 2025

AGENDA

Today's presentation is about…

- Introductions – Harvey Thomas & John Joe Burke
- Overview of Mace as an organisation.
- Details of Mace's involvement & support of CLOCS.
- The role CLOCS and FORS have in Mace's logistics strategy, and the importance the Construction Logistics Plan (CLP) plays in Mace's operations.
- The preplanning and engagement associated with the development of the project's logistics strategy.
- The design of the site's infrastructure to accommodate the project's logistical requirements.
- An overview of the delivery process: the delivery booking process, receipt and management of vehicles on site including checks and approval, vehicle and driver checks on arrival, vehicle management whilst on site, data recorded, data analysis and how any non-compliances are managed.

SAFETY MOMENT



HSW moment

INTRODUCTIONS

INTRODUCTIONS

Harvey Thomas
Operations Director
Mace

John Joe Burke
HSW Business Partner
Mace

OVERVIEW OF MACE

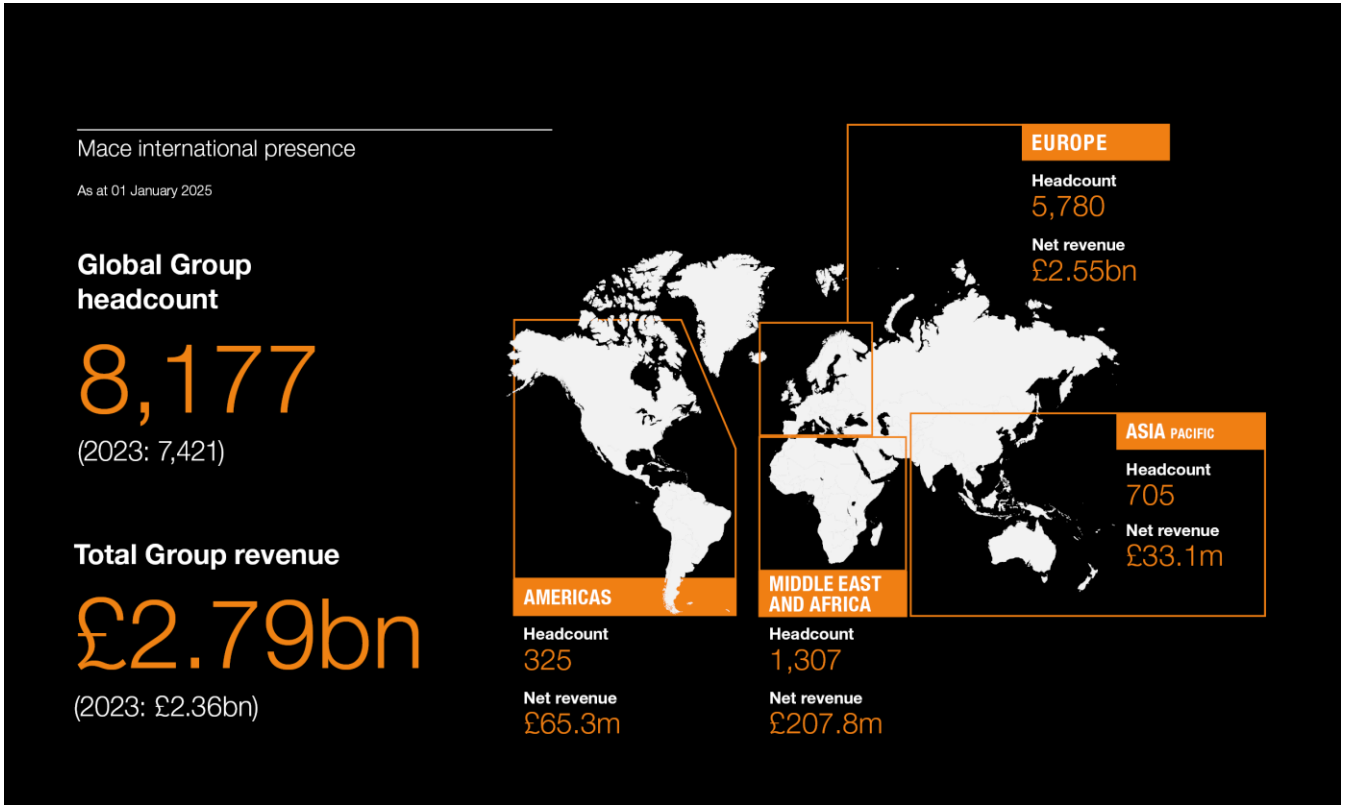
MACE'S HISTORY

Mace Group is a global consultancy and construction company that was founded in 1990 in London, with a focus on delivering projects in a more collaborative and innovative way compared to the traditional construction industry.

Initially focused on the UK, Mace has expanded its operations globally, with strategic hubs in Europe, the Americas, the Middle East and Africa, and Asia Pacific.

BUSINESS MODEL

MACE'S STATISTICS
JANUARY 2025



A NUMBER OF MACE'S PROJECTS, PAST & PRESENT

THE LONDON EYE


TATE MODERN MUSEUM

LONDON 2012 OLYMPIC AND PARALYMPIC GAMES

ROYAL SHAKESPEARE THEATRE

THE SHARD

20 FENCHURCH STREET

NEW STREET STATION

TELEVISION CENTRE (TVC)

70 ST MARY AXE

TOTTENHAM HOTSPUR STADIUM

BATTERSEA POWER STATION PHASE 2

EUSTON STATION – HS2

CURZON STREET STATION – HS2

DETAILS OF MACE'S INVOLVEMENT & SUPPORT OF CLOCS

MACE'S SUPPORT OF CLOCS

Katel, I am waiting on a response from Andy Brown on this point as it was before my time with Mace.

THE ROLE CLOCS AND FORS HAVE IN MACE'S LOGISTICS STRATEGY, AND THE IMPORTANCE THE CONSTRUCTION LOGISTICS PLAN (CLP) PLAYS IN MACE'S OPERATIONS

THE ROLE CLOCS AND FORS HAVE IN MACE'S LOGISTICS STRATEGY

CLOCS

- **The CLOCS standard gives a consistency across our business for our projects to follow, along with our clients & supply chain partners.**
- **The requirements of the CLOCS standard are embedded in Mace's Logistics Standard, Traffic Management & Logistics plan and Work Related Road Risk Plan.**
- **The CLOCS CLP practitioner courses enables Mace logisticians to develop, assess and produce CLPs that consider the full life cycle of the project.**

FORS

- **A level of reassurance that the fleet operators and their drivers delivering to our projects, have reached the FORS silver standard and subsequently are CLOCS compliant.**
- **Knowledge that the fleet operators have been assessed on their environmental impact, safety and operational efficiency.**

THE IMPORTANCE THE CONSTRUCTION LOGISTICS PLAN (CLP) PLAYS IN MACE'S OPERATIONS

For Planners and Developers:

Meets Planning Requirements:

CLPs are often a requirement for planning applications, ensuring developers address logistics impacts from the outset.

Reduces Environmental Impact:

By optimizing delivery routes, scheduling, and modes of transport, CLPs can minimize noise, air pollution, and carbon emissions from construction activities.

Enhances Safety:

CLPs can improve road safety by reducing the number of construction vehicles on the road, especially during peak hours, and by outlining safety protocols for construction sites.

Promotes Sustainability:

CLPs can encourage the use of sustainable transport options like cycling or walking for deliveries, as well as the use of low-emission vehicles.

Streamlines Logistics:

A CLP can help developers and contractors manage the complexities of construction logistics more effectively, leading to smoother operations.

THE IMPORTANCE THE CONSTRUCTION LOGISTICS PLAN (CLP) PLAYS IN MACE'S OPERATIONS

For the Community:

Reduces Congestion:

By optimizing delivery schedules and routes, CLPs can help alleviate traffic congestion in and around the construction site.

Improves Air Quality:

Reduced vehicle emissions through efficient logistics planning contribute to better air quality in the surrounding area.

Increases Safety:

Fewer construction vehicles on the road translate to a safer environment for pedestrians, cyclists, and other road users.

THE IMPORTANCE THE CONSTRUCTION LOGISTICS PLAN (CLP) PLAYS IN MACE'S OPERATIONS

For Contractors:

Cost Savings:

By optimizing delivery schedules and routes, contractors can potentially reduce fuel consumption, labour costs, and other logistical expenses.

Enhanced Site Efficiency:

A well-developed CLP can streamline material deliveries and waste removal, leading to a more efficient and productive construction site.

Improved Safety:

CLPs can help reduce the risk of accidents and injuries on the construction site, creating a safer working environment for contractors.

Summary:

The CLP provides Mace with all the above benefits brought via the CLP along with the ability to support the ongoing development of CLOCS & FORS.

THE PREPLANNING AND ENGAGEMENT ASSOCIATED WITH THE DEVELOPMENT OF THE PROJECT'S LOGISTICS STRATEGY.

LOGISTICS PREPLANNING

- Review of the client's works information.
- Establish the project's delivery forecast, including types of vehicles, weight, size, special considerations.
- Establish the project's personnel forecast for the duration of the project
- Coordination with local authorities, stakeholders & neighbouring projects / schemes.
- Access the local road networks capacity to establish capacity, limitations and historical information.
- Review the Section 61 conditions.
- Establishment the requirement for a VHA or CC and if deemed necessary source a facility.
- Develop vehicle routings to & from the project (including VHA / CC if relevant) considering the findings of a WRRR assessment.
- Development of the CLP.
- Development of the Mace TM&LP, supported by the Mace Logistics Standards & WRRR plan.

MACE LOGISTICS STANDARDS

LOGISTICS STANDARD

mace

Contents

TRAFFIC MANAGEMENT AND LOGISTICS PLAN

(Insert project title)

mace

Classification - Public

Contents

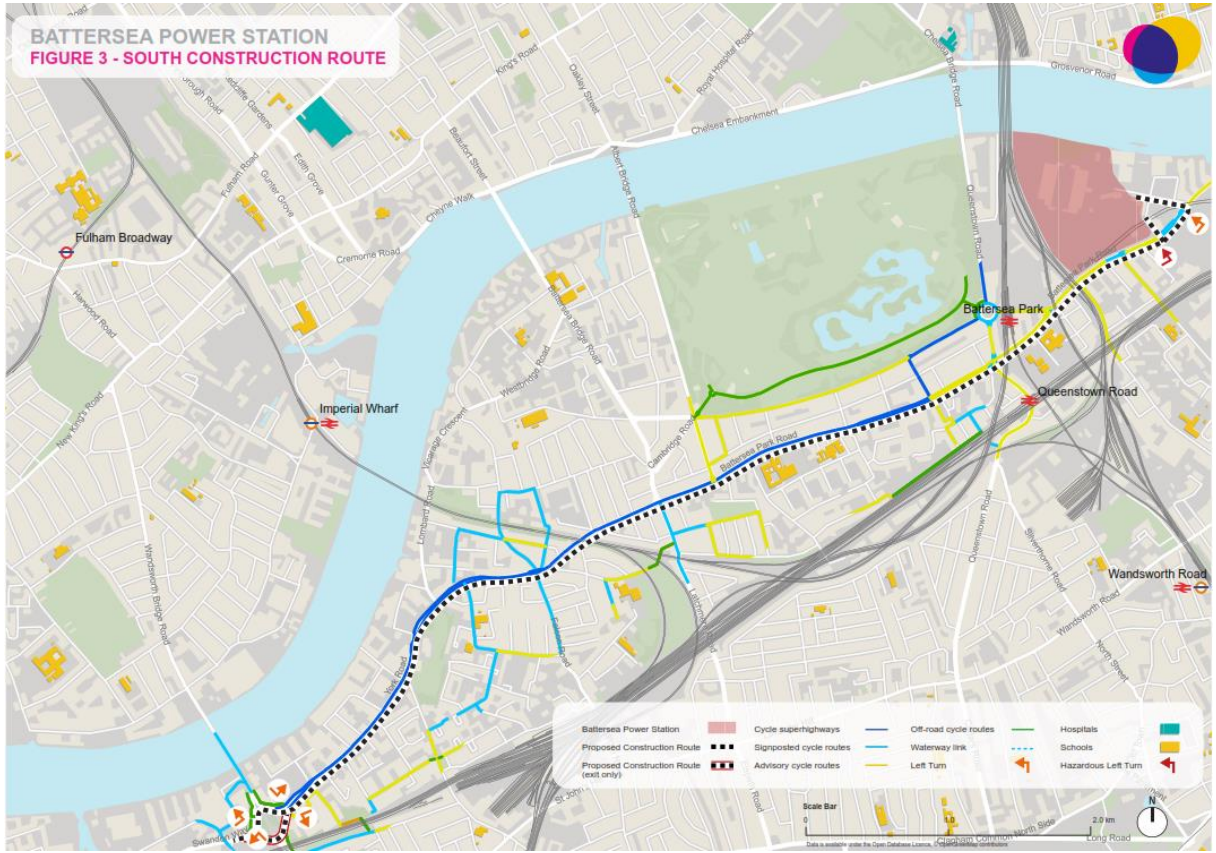
MACE WORK RELATED ROAD RISK GUIDANCE

WORK RELATED ROAD RISK GUIDANCE

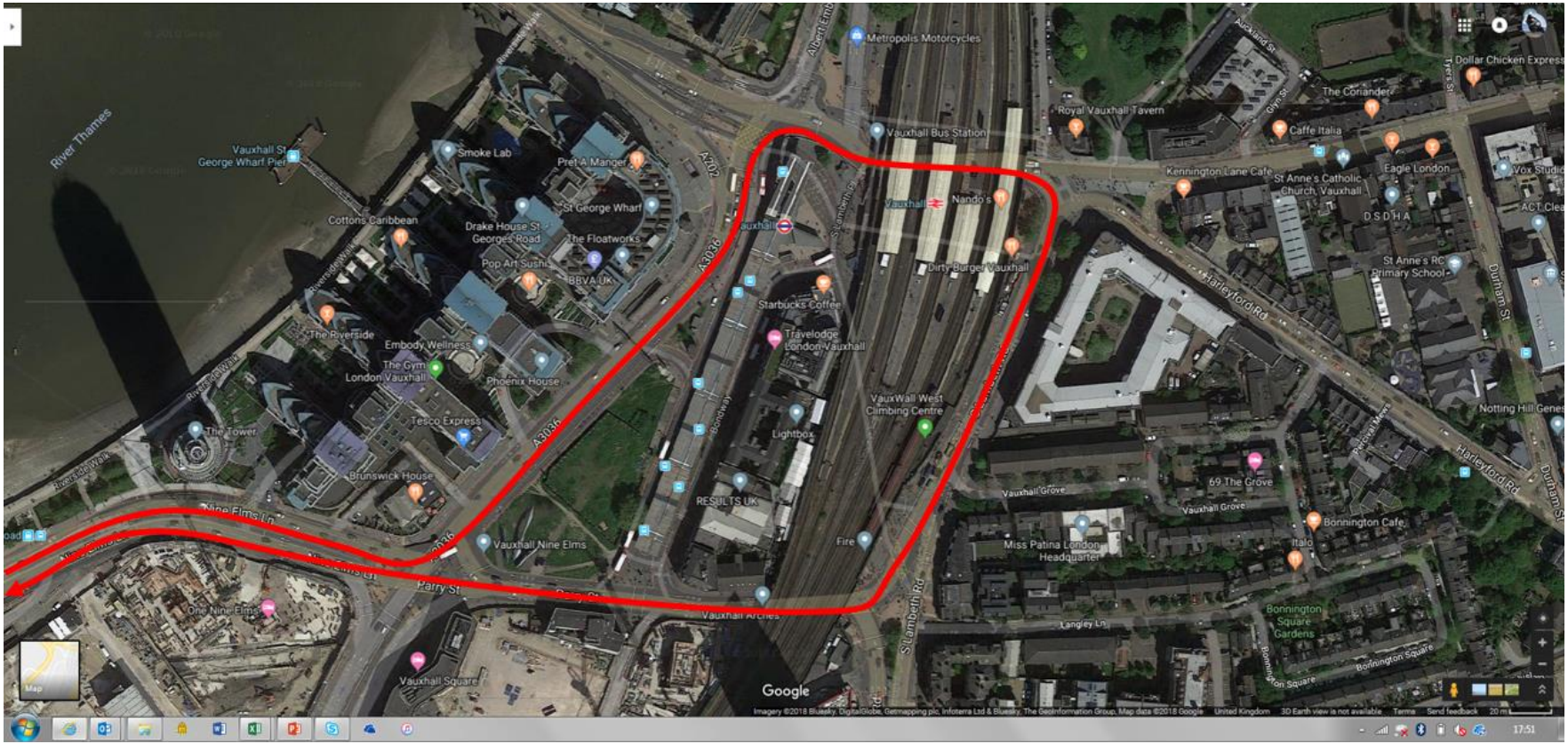
mace

Contents

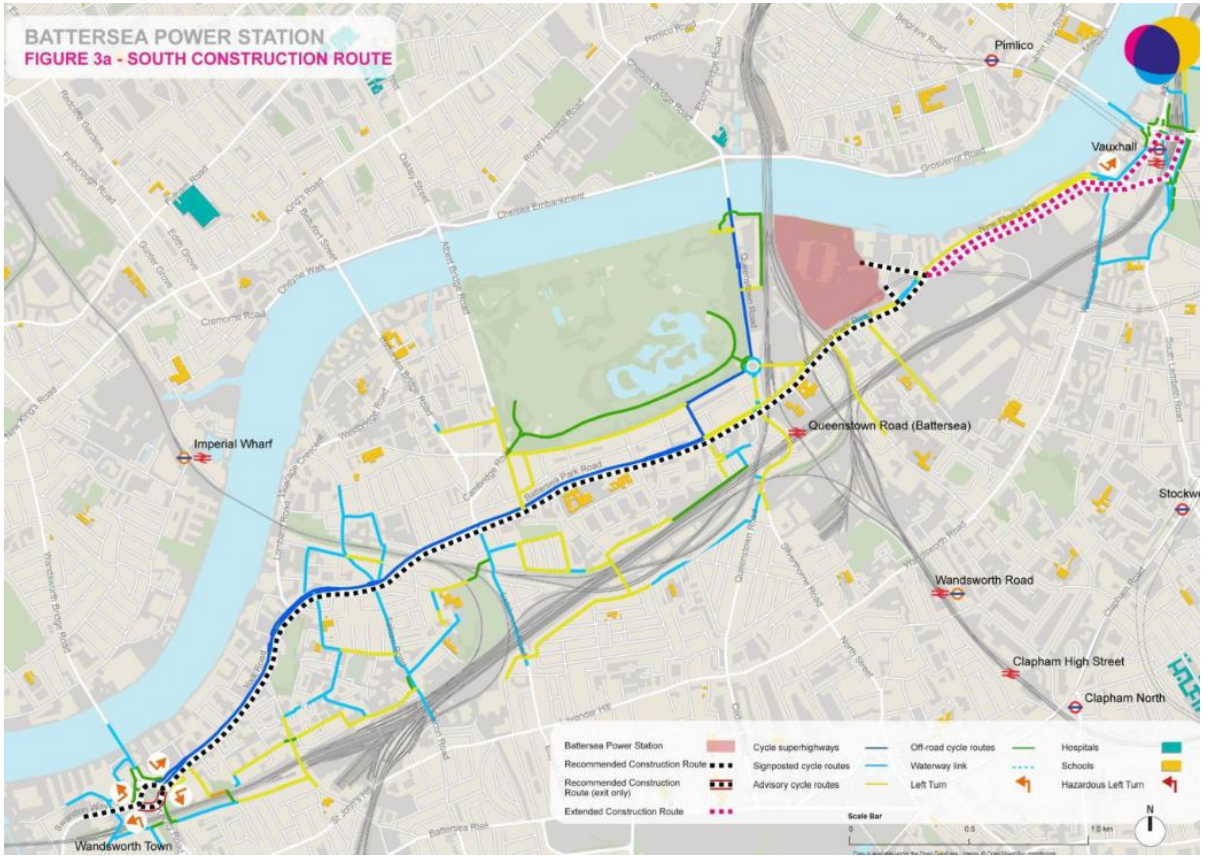
WORK RELATED ROAD RISK ASSESSMENT- EXAMPLE



WORK RELATED ROAD RISK ASSESSMENT- EXAMPLE



WORK RELATED ROAD RISK ASSESSMENT- EXAMPLE

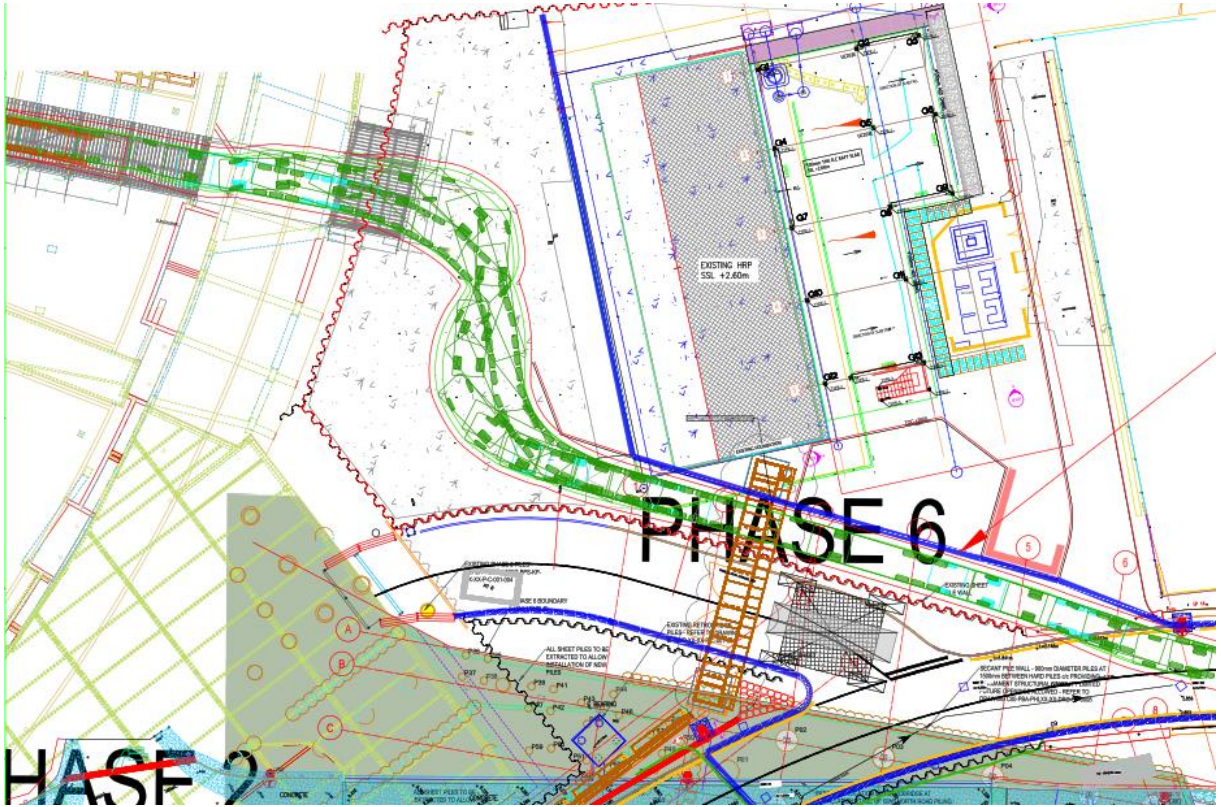


THE DESIGN OF THE SITE'S INFRASTRUCTURE TO ACCOMMODATE THE PROJECT'S LOGISTICAL REQUIREMENTS.

DESIGN OF THE PROJECT'S INFRASTRUCTURE

Establish

- **Office & welfare provision.**
- **1st aid provisions such as muster points, AED locations.**
- **Vehicle & pedestrian access points at the site boundary.**
- **Construction strategy & sequence.**
- **Construction plant – craneage, hoists and associated infrastructure and distribution routes.**
- **Pedestrian access routes noting personnel / plant interface.**
- **Haul roads, loading bays & pick points to support construction activities and carry out SPA to prove vehicle routing.**
- **Storage areas, laydown compounds or container storage.**
- **Time slice drawings depicting the logistics strategy at key stages of the project.**
- **Demobilisation strategy for the project.**



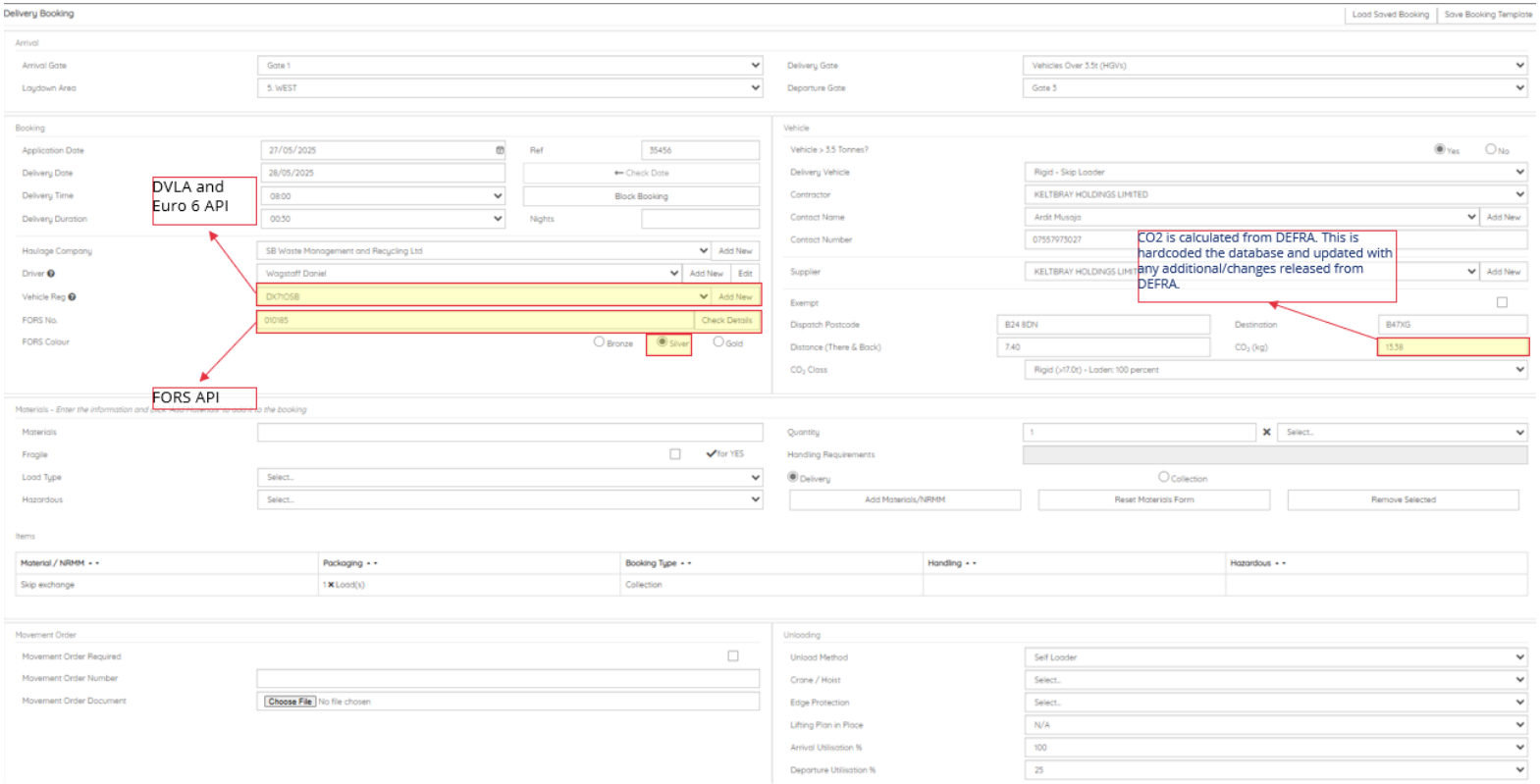
AN OVERVIEW OF THE DELIVERY PROCESS

THE DELIVERY BOOKING PROCESS

DELIVERY BOOKING PROCESS

Booking Process

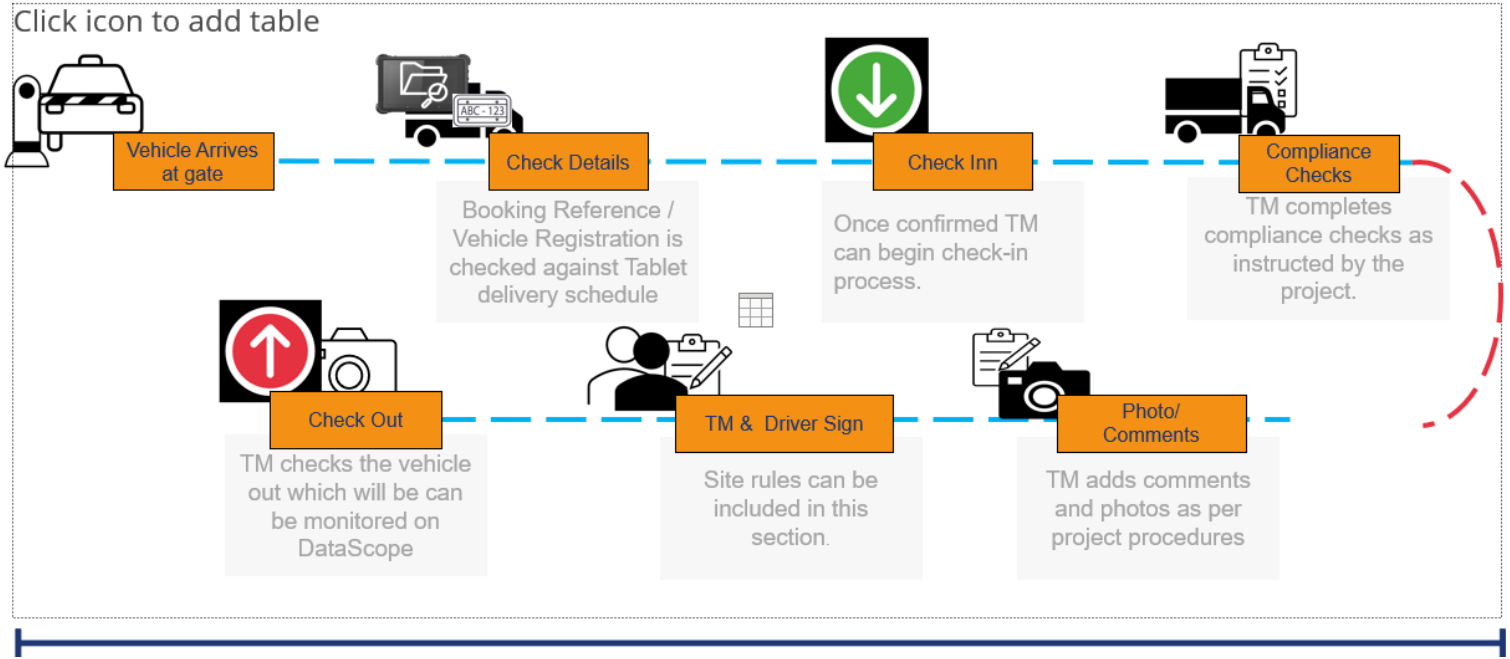
DELIVERY BOOKING SHEET



AN OVERVIEW OF THE DELIVERY PROCESS

RECEIPT AND MANAGEMENT OF VEHICLES ON SITE INCLUDING CHECKS

Arrival Process

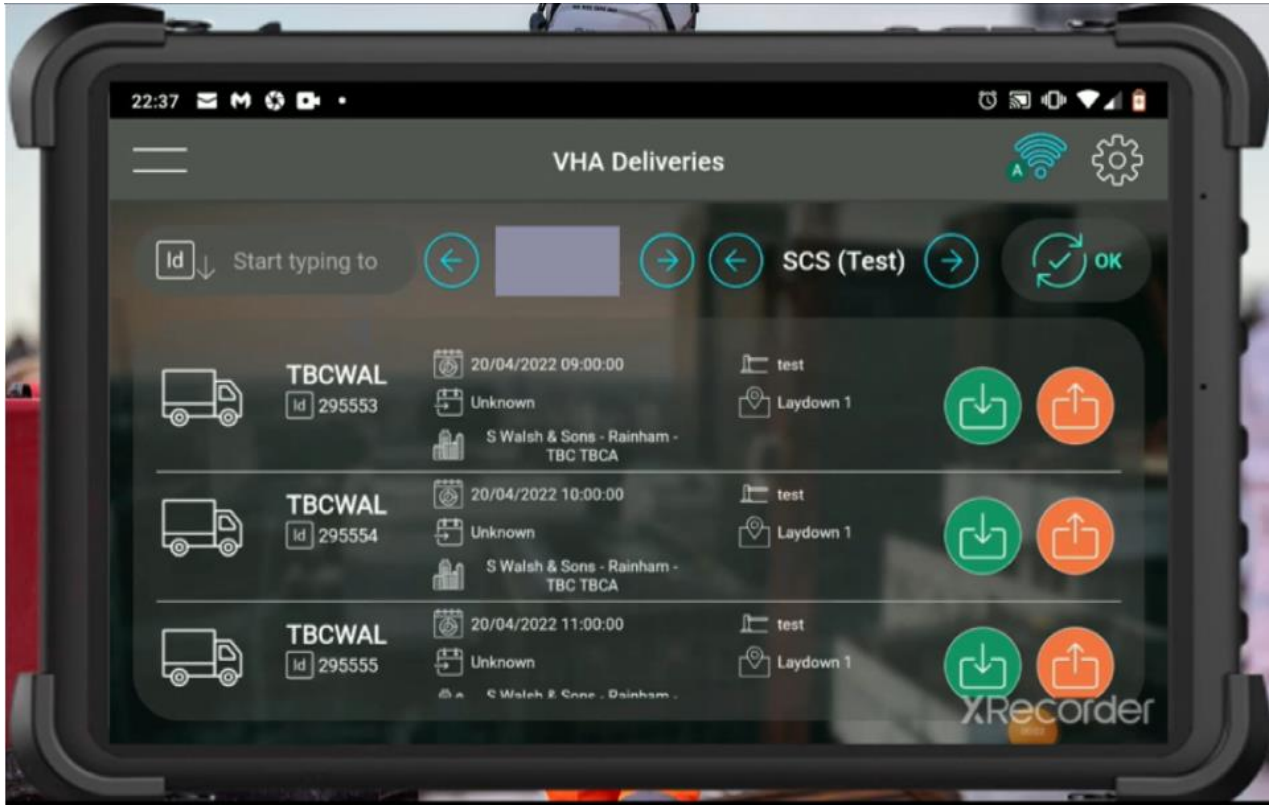


VEHICLE CHECKS

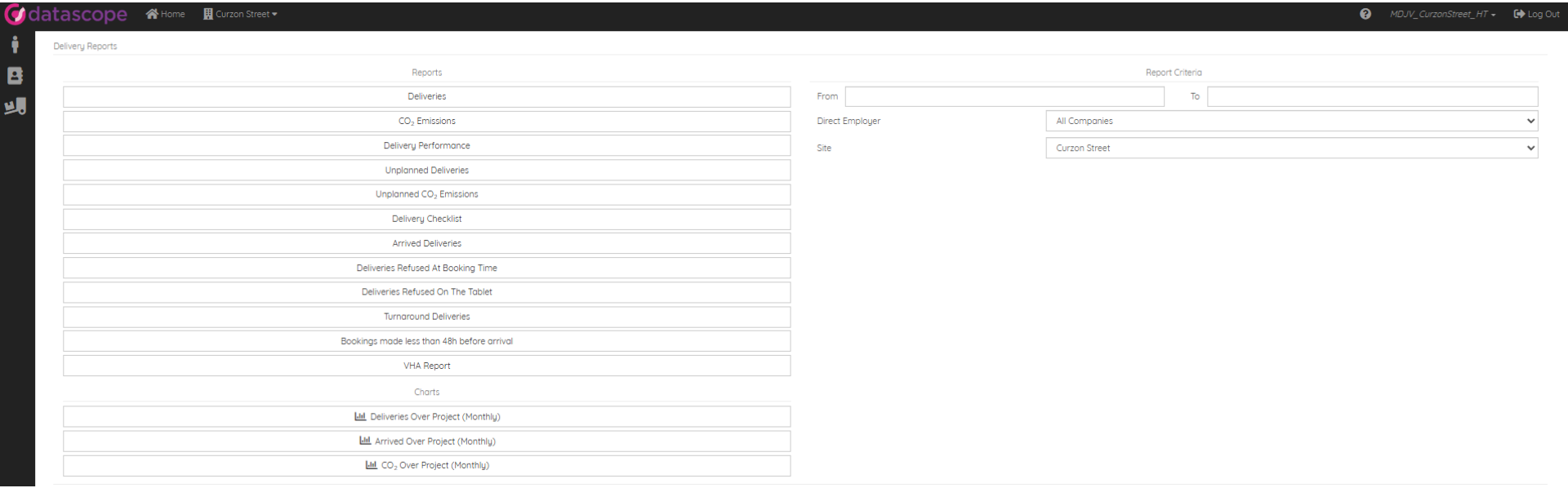
AN OVERVIEW OF THE DELIVERY PROCESS

DATA RECORDED & DATA ANALYSIS

DATASCOPE TABLET



DATASCOPE REPORTS MENU



DATASCOPE DATA

Company	Turnaround ID	Booking Ref	Vehicle Reg	Audited On	Is This Delivery Compliant	360 Degree / 4 Way Camera	Audible nearside left turn external warning	Audio Reversing Signal	Blind Spot Camera System	Class IV/V/VI mirrors	Clean nearside warning sign	Clean Warning Signs	Driver ID Check	Driver PPE	Orange Flashing Beacon	Permitted On Site	Rear view Mirror or Reversing Camera	Side under run guards (both	Vehicle ID
KELTBRAY HOLDINGS LIMITED																			
KELTBRAY HOLDINGS LIMITED		39091	[redacted]	17/07/2025 07:56	Compliant	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
KELTBRAY HOLDINGS LIMITED		38963	LT71FCD	17/07/2025 08:29	Compliant	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
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M.P.B. STRUCTURES LTD																			
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M.P.B. STRUCTURES LTD		39222	EC07MCA	17/07/2025 08:09	Compliant	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
M.P.B. STRUCTURES LTD		39212	EC22MCA	17/07/2025 08:12	Compliant	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
M.P.B. STRUCTURES LTD		39172	HS17PNZ	17/07/2025 07:30	Compliant	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
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M.P.B. STRUCTURES LTD		39152	ML19XEF	17/07/2025 07:34	Compliant	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
M.P.B. STRUCTURES LTD		39162	HS17PNY	17/07/2025 07:35	Compliant	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
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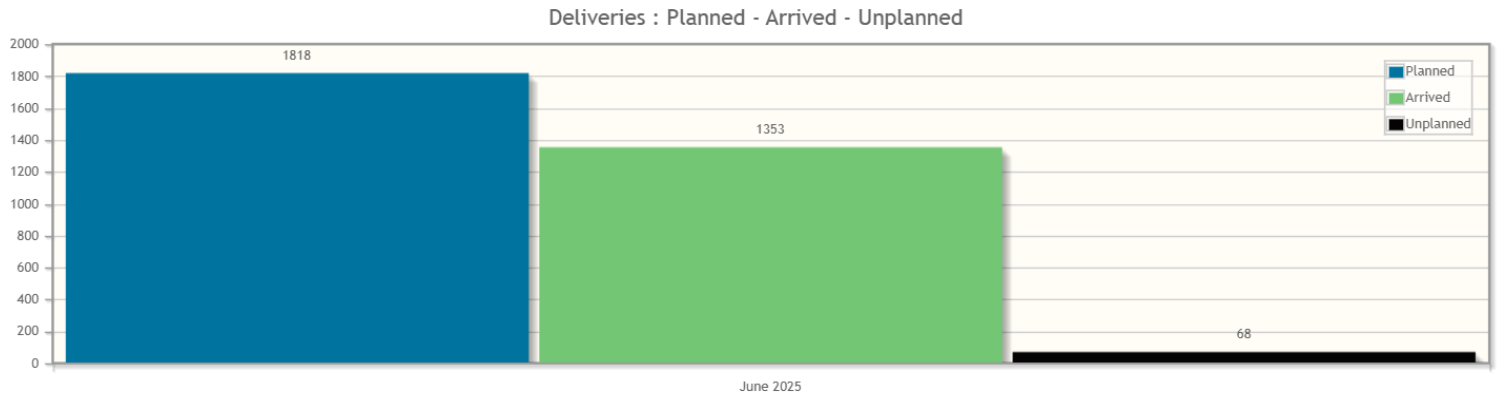

AN OVERVIEW OF THE DELIVERY PROCESS

MANAGEMENT OF NON-COMPLIANCES

AN OVERVIEW OF THE DELIVERY PROCESS

VEHICLE MANAGEMENT WHILST ON SITE

VEHICLE MANAGEMENT WHILST ON SITE

- **Planning & coordination of the works.**
- **Designed site infrastructure to facilitate the vehicles (comply with the Mace logistics standards)**
- **Pedestrian / vehicle / plant interface measures.**
- **Where possible minimise the requirement for Traffic Marshals by ‘smart’ controls.**
- **Speed limit of 5mph, one-way systems, avoid the need for vehicle reversing.**
- **Safe Systems of Work for the task.**
- **Competent Traffic Marshals – (CPCS A73).**

VEHICLE MANAGEMENT WHILST ON SITE