



**Client**  
Cadent Gas Ltd / HS2

**Team**  
Logistics

**Sector**  
Natural Resources

**Project start**  
09/17

**Project end**  
N/A

**Value**  
£35m

**Date**  
15/10/18

**Author**  
Jack Selman

**Innovation Reference**  
SI-00032

## PROJECT OUTLINE

HS2's route passes through the site of a key high-pressure gas pipeline at Harefield. This project was formed to divert this pipe by digging two access shafts then using a TBM to lay a concrete tunnel which will then be used to host this key pipeline.

## TESTIMONY

"After using the Crossrail VMPS system previously for vehicle booking and compliance. We requested PODFather to offer us a better and more robust solution to excel spreadsheets and paper sign in. PODFather allows us to enter in all the details we require [for compliance] and saves them for future use on a cloud based database, this makes booking a vehicle movement in, less labour intensive and allows us to track quickly and easily any haulier who is failing or exceeding the requirements. This gives us the ability to foresee any potential issues and address them quickly."

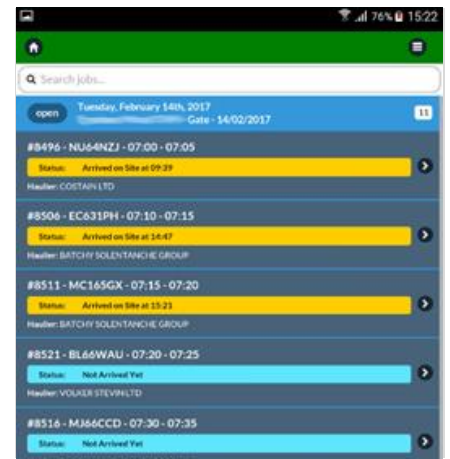
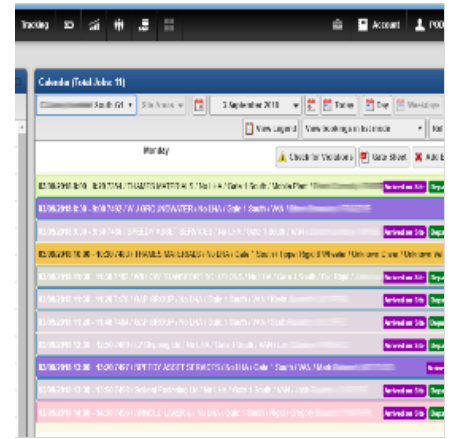
- Carla James,  
J. Murphy & Sons

## KEY CHALLENGES

Due to HS2's Route-wide Traffic Management Plan the requirements for driver and vehicle compliance are far higher. For example;

- Achieve and adhere to a FORS Silver Standard
- Minimum vulnerable road user safety kit per Vehicle
- Extensive requirements that to be checked when arriving at site and leaving.
- Reduction in Construction Traffic

## Vehicle checks



## SOLUTION / INNOVATION

To install PODFather vehicle booking system. This includes a secure cloud based software, handheld mobile devices to record arrivals and departures, and compliance and emissions checking

## KEY BENEFITS

- Reduction in time spent executing inspections
- Reduction in environmental impact of deliveries and haulage
- Improved process for logistics planning
- Clearer visibility for the contractor and suppliers
- Clear audit trail for compliance with HS2's requirements

## COSTS / SAVINGS / ROI

Achieving compliance with the parliamentary bill has allowed Murphy, Cadent and HS2 to deliver world class infrastructure whilst saving time, money and reducing the local and environmental impact of the works.

The team has realised a massive benefit in time reduction as the logistics planning has been streamlined to remove waste from the process.

Editing Driver "Ian [redacted]"

Supplier  [redacted]

JV Approvals

First Name

Last Name

Driving Licence Number

Country

Phone

Email

Notes

Be aware that any information you enter may be shared

Valid From

Valid To

Reference

Level

Notes

No Documents

any information you enter may be shared outwith your JV.

Supplier "[redacted] Transport"

Haulier  Supplier

Company

FORS

Valid From

Valid To

Reference

Level

Notes

- CLOCS
- FORS
- Operator License Number
- Waste Carrier License

Operator License Number

Valid From

Valid To

Reference

Level

Notes

CLOCS

Be aware that any information you enter may be shared outwith your JV.

Supplier compliance module

## IDEA ORIGINATOR

Carla James and Michael Boyle have both been pivotal in the deployment and use of this system, much to the benefit of the project.

## CHAMPIONS

Carla James is also an Innovation Champion, and has pushed this solution through the portal and the Champion network so that Murphy may replicate this benefit elsewhere.

## FEEDBACK

"PODFather is a very useful device for on-site deliveries and vehicle compliance inspections. At the start of everyday you can check what deliveries are coming for that day, what time they will arrive on site, and whether the delivery has been preapproved and booked to make the delivery.

Vehicle inspections are more efficient as it uses an easy to use form that is simple to complete. The Drivers information is also captured to ensure the security of the site due to the potential for protesters to infiltrate the site.

It is much more convenient than using vehicle inspection sheets as they often get lost, wet or damaged in inclement weather. The PODFather is also far quicker to complete.

Finally, the PODFather would be useless without the skill and brains that feed it, Carla"

Feedback from Philip McCarthy, Traffic and Vehicle Compliance Officer

## FUTURE OPPORTUNITY

This has now been adopted at our Brent Cross development project. Brent Cross are also using an additional module that provides printed conveyance tickets for material movements.

This will become standard practice across the Murphy family, ensuring a consistent One Murphy approach to delivering world class infrastructure.

**New Collection Job** 12:33

**Collection Site:** STOTT1

**Quantity:** 8W Load

**Delivery Site:** SREGP1

**Haulier:** PODFather Haulage

**Registration No:** V279VOLVO

**Please sign here**  
Produce  
PODFather

**Haulier Signature:**  
Haulier  
PODFather

Buttons: Cancel, OK