

CASE STUDY

“

We have had the machine for just over a year now, we can do white and yellow lines, we can also do disabled bays and the refreshing of loading bays.

We are getting used to using it and it has been a good machine.

”

Keith Philips
Senior Highways Operative



this is
Redcar & Cleveland



MEON
DELIVERING GREAT SURFACES



PROBLEM:

Redcar & Cleveland Borough Council were looking for a more effective, in-house solution for line marking services. The Redcar and Cleveland Highways Team are responsible for maintaining and managing the road networks within the Redcar and Cleveland area, although the borough's line marking was being delivered externally by line marking contractors. The council were looking for a more environmentally friendly, economical and convenient method to manage and self deliver their line marking projects across the borough. It was important for the solution to be in line with the borough's objective to become carbon neutral by 2030.



SOLUTION:

Following the purchase of an ECO ES RoadLiner Line Marking Machine, Redcar & Cleveland Highways Team was invited to the training academy to learn the complete process of line marking self-delivery, provided by Meon. The All-Electric ECO ES RoadLiner Liner Marking Machine produces zero carbon emissions and will complete the full running time of 8 hours on a single charge. With the ability to apply glass beads as it sprays, along with the ease of transport by box trailer, the ECO ES RoadLiner is the complete line marking solution, perfect for any local authority looking to self-safely deliver line marking in the most sustainable way.



RESULT:

The opportunity to learn this new skill now allows Redcar & Cleveland's Highway Team to self-deliver a wide range of line marking projects, from road marking in multiple colours, parking and disabled bays and refreshing existing markings, across the borough. The self-delivery process is fully electric, reduces costs, provides a professional finish, and encourages Redcar & Cleveland's Highway Team to take on more responsibility and gain more job satisfaction. Additionally, the self-delivery of line marking with the ECO ES RoadLiner Electric Line Marking machine, results in a 60% reduction in carbon emissions from traditional line marking methods of practise, helping Redcar & Cleveland move towards their ambitions to become carbon neutral by 2030.



SYSTEMS USED:

GRACO LINELAZER ECO ES ROADLINER



PRODUCT FEATURES

- Pressurised Bead System with simple one-button operation
- Dual AGM batteries
- 2 additional pressurised air couplings
- Flashing Beacon with switch & chapter 8 chevrons on rear

RECCOMENDED USE



Highways



Car Parks



Warehouses



Facilities

The industry's first all electric line marking machine, capable of applying highway specification line markings which have 300% increased durability and 60% increased retro-reflectivity, compared to traditional methods whilst cutting carbon output by 90%.

The ES RoadLiner is developed from the Graco LineLazer ES 2000 and LineDriver ES, providing proven reliability.

This machine also provides increased safety for the operator, involving no hot works and with a noise level of only 82dB, which means nearby traffic or machinery can be heard.

CUSTOMER BENEFITS

- Zero carbon emissions with no need to offset for full compliance
- Absolutely no hot works removing any associated safety considerations
- Incredibly low noise output that enables residential night time working
- Will complete min 8hr shift at full usage without recharge

PROJECT OBJECTIVES:

SAFETY



Focused on improved road safety through performance whilst removing high risk operations in support of the industries Zero Carbon goal.

DURABILITY



For every application, we aim to be able to demonstrate ways to reduce Whole-Life costs through improved system performance.

SUSTAINABILITY



Supporting central government Decarbonisation strategy with a goal to reach net zero by 2050.