





Representing the UK construction equipment industry since 1942.

Recognised by the UK
Government as
the voice of the industry.



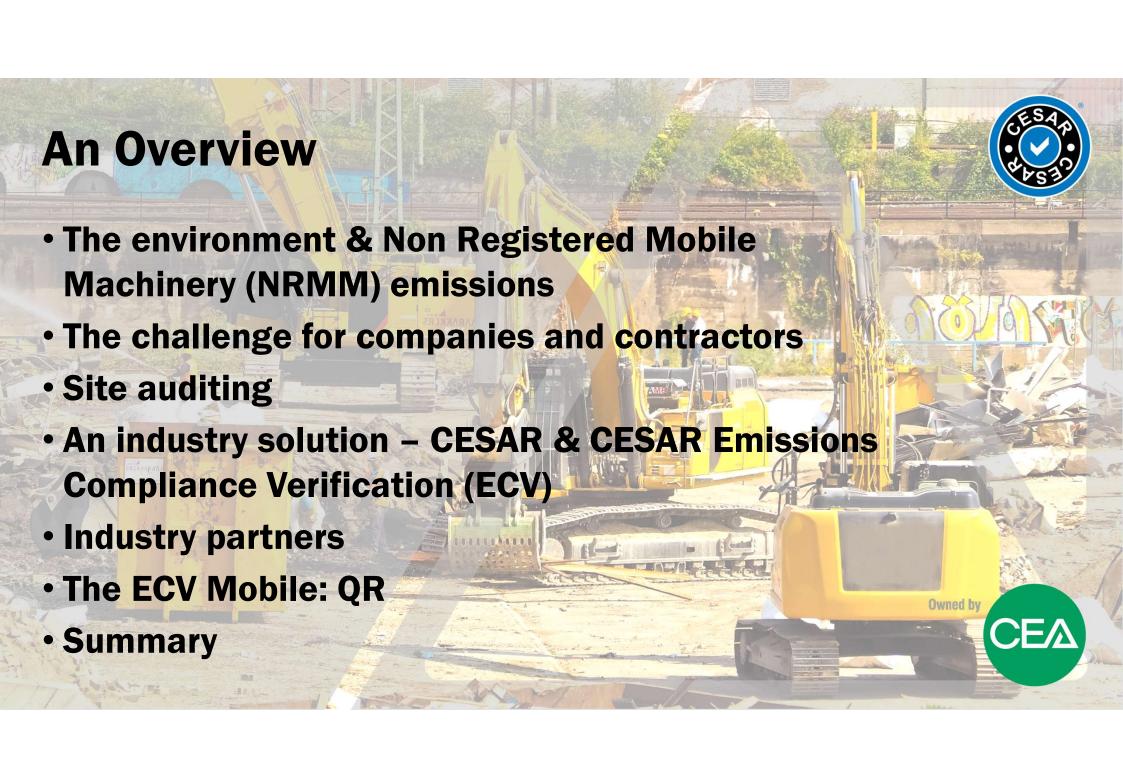




Emissions Compliance Verification

'ECV'





Engine Emissions & The Environment



- Emissions a growing concern
- Air quality & carbon dioxide
- Road vehicles managed via automatic number plate recognition cameras





Engine Emissions & The Environment



- Automatic Number Plate Recognition cameras read vehicle licence plates to 'police' road vehicle emission standards
- DVLA database is populated electronically from data supplied by manufacturer at point of registration
- Data includes engine emission data
- Cameras used to establish emissions standards by reading VRM and matching data to DVLA data







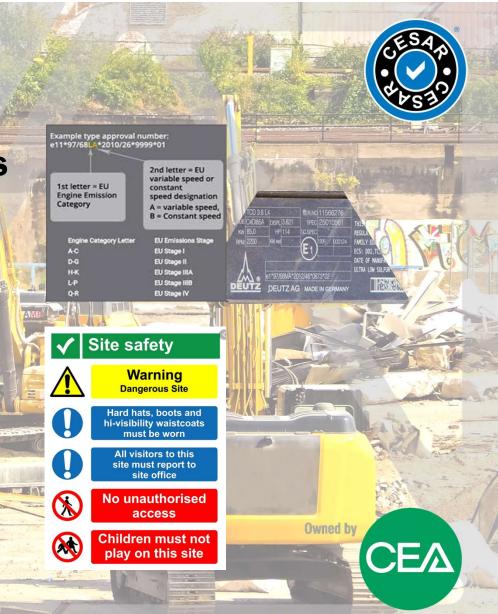




- EU engine type approval numbers
- Different number formats
- Plates damaged or illegible
- Stage verification challenging

Health & Safety risk for auditors

- Challenging environment
- Hot, dirty machines
- Interruption of work



CESAR; An Industry Solution



CESAR is owned by Construction Equipment
 Association and fully supported by the Agricultural Engineers Association

Launched in 2007

The industry's own security and registration scheme

 Fitted by most leading manufacturers during manufacture







CESAR ECV - How It Works



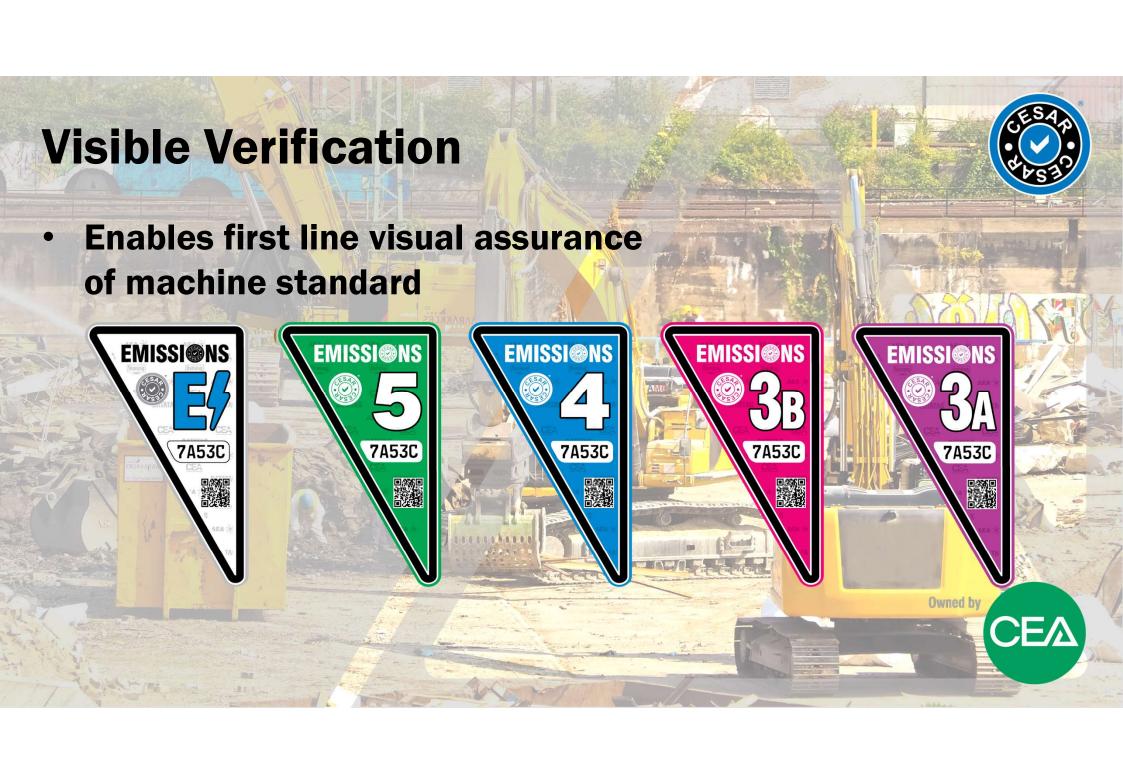
CESAR now includes an emissions stage label

 The unique ECV number is linked to the CESAR number

 Engine emissions data is held alongside machine details on the secure database



















CESAPO OFFSED

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EMISSI@NS

- Issued ECV notification to all subcontractors
- Included ECV option in 2021 tender documentation
- Promoted ECV in meetings with GLA and DeFRA
- Supported ECV in social media posts
- Worked with the CEA to design audit body interface

HS2



Balfour Beatty



- Mandating ECV on all newly purchased/hired in plant from 2021
- Working with Datatag to design ECV contractor interface
- Assisting the trial of ECV self installation on fleet of JCB loadalls
- Working with CEA & Energy Savings Trust around DPF&SCR systems
- Actively promoting ECV across the sector









- Shared CESAR Database (Construction)
- Helping to inform Ricardo research to inform UK
 Government research
- DeFRA working to help Government build an informed picture of the UK NRMM fleet
- Government want to make informed decisions regarding a future NRMM emissions legislation







Future Developments

- Adding additional static machine information
- Data added at manufacture or distribution sales
- Accessible through ID plate QR Code scanning on any smartphone



Engine Details

ECV CODE: A2EVX

CESAR ID: 74BI6E

MAKE: Volvo

MODEL: D8M

FUEL: DIESEL

ENGINE NO: 589066

STAGE:

EU Type Approval Number e5*2016/1628*2016/1628EV6/D*148

CESAR ECV - Summary

Work Smarter not Harder...

- Existing industry recognised scheme
- Simple, highly visible, secure ID plate
- Simplifies; compliance for contractor
- Simplifies; registration pre-site
- Simplifies; verification on-site
- Fitted as standard by many OEMs
- Retro-fit solution for existing fleets

Understand your fleet's air quality impact!















