



Future Opportunities in Construction railfreight

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Tarmac



Building  our future

Rail capability



**1450
tonnes**

Average load size

**9
million tonnes**

of materials transported annually

**1
loaded aggregate train**

is equivalent to 66 loaded lorries

**30
trains**

operating daily

**1
loaded cement train**

is equivalent to 54 loaded lorries



Tarmac Rail Net Zero plan



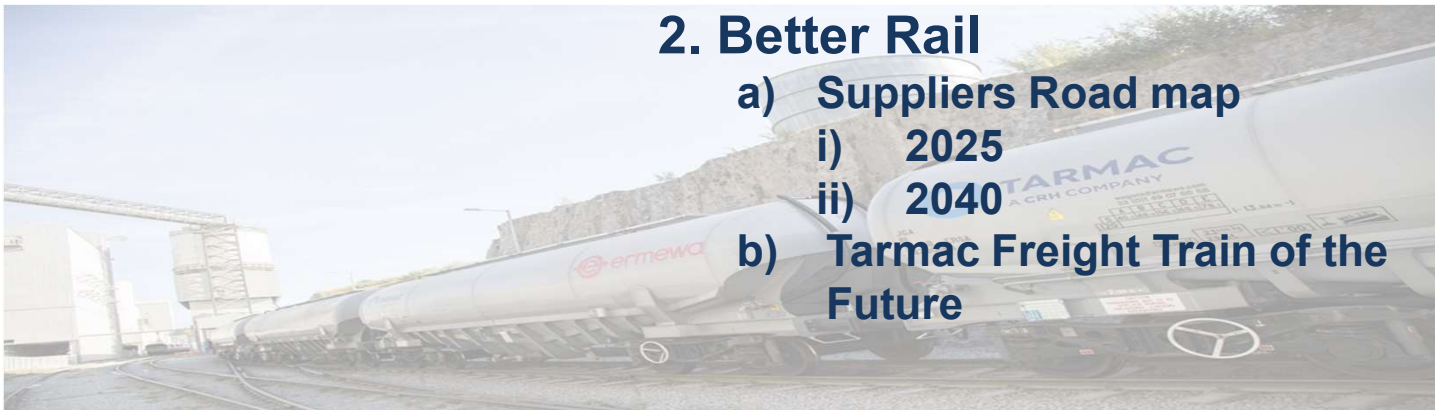
1. More Rail

- a) New Depots
- b) Modal Shift
- c) Enhanced Rail Capacity



2. Better Rail

- a) Suppliers Road map
 - i) 2025
 - ii) 2040
- b) Tarmac Freight Train of the Future



More Rail - Terminals



Better Rail - Operations

Bigger trains

- Jumbos
- Target 26

Faster trains on a quieter network



Better Rail

- Industry Roadmap
 - Data Sourcing
- HVO
- Battery / Electric solutions
 - Internal railway
 - Mainline
- FOAK
 - Mapping
 - New technology



DBHVO100 & HVO50

➔ Reduce emissions through HVO rail freight transport

Powering locomotives with **100% renewable HVO fuel**



- Eliminates up to 90% of CO₂ emissions
- Reduces particulate matter by up to 30%
- Reduces carbon monoxide emissions by up to 25%
- Reduces nitrogen oxide emissions by up to 10%
- Fully biodegradable, renewable and sustainable



Handling requirements of the future - Aggregates



All aggregate depots not just those with inbuilt conveyor systems

Net Zero grabs and offloaders as standard

Automated machines

Bespoke lineside loading opportunities



Handling requirements of the future – New to Rail

