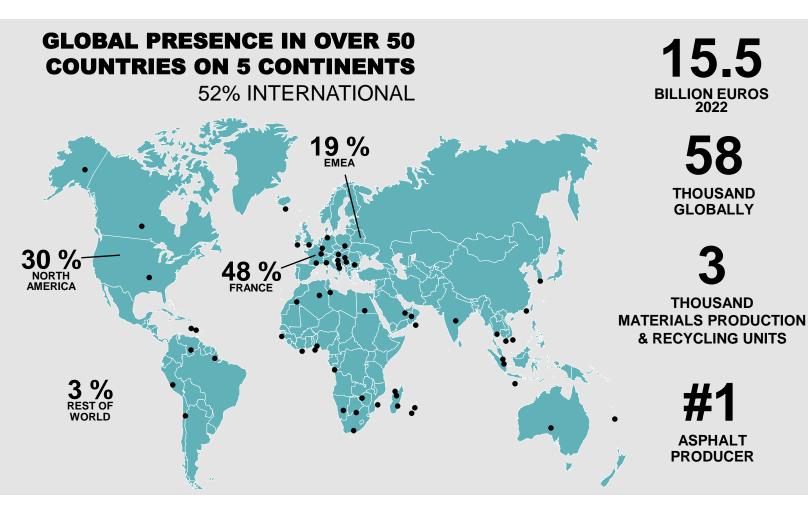
# WE OPEN I HE ANA

### **Benn Teasdale**

#### RECYCOL A41 DELIVERY LOW CARBON HIGHWAY REGENERATION

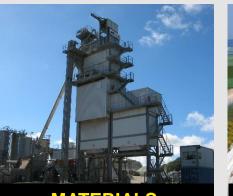


### **COLAS GROUP**









MATERIALS







COLAS

2

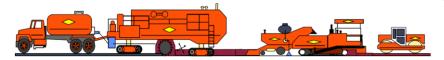
#### **DECARBONISING IS A CHALLENGE** DENSE INTERNATIONAL NETWORK OF PRODUCTION, STORAGE & RECYCLING UNITS



**420 RECYCLING UNITS** 

1 BITUMEN REFINERY LOCATED IN KEMAMAN, MALAYSIA 71 BITUMEN STORAGE TERMINALS

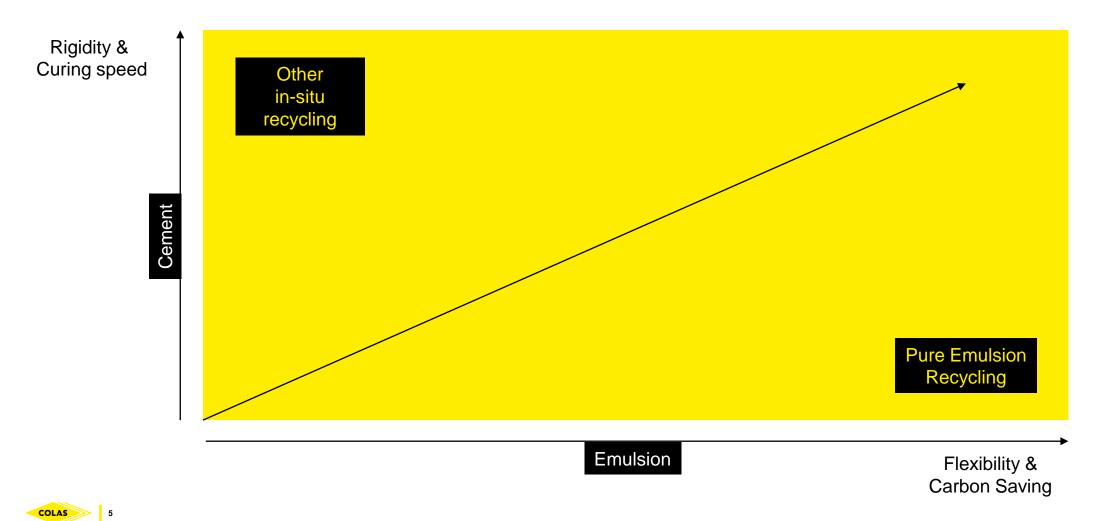




### THE RECYCOL SOLUTION

- Recycling 100% of the binder course, cold and in-situ
- Emulsion based flexible binder course
- With cement for accelerated curing + additional rigidity
- Typically ~70% carbon saving Cheshire ~65% saving
- 20+ years of experience in France
- A41 video (next slide)

#### EMULSION VS CEMENT IN-SITU RECYCLING



## **RECYCOL ROUTE MAP**





**2022** UK URBAN ROAD COVENTRY



**2023** LOCAL MAJOR ROAD



#### 2024 NH & STRATEGIC ROAD NETWORK





## **A41 CHESHIRE WEST**

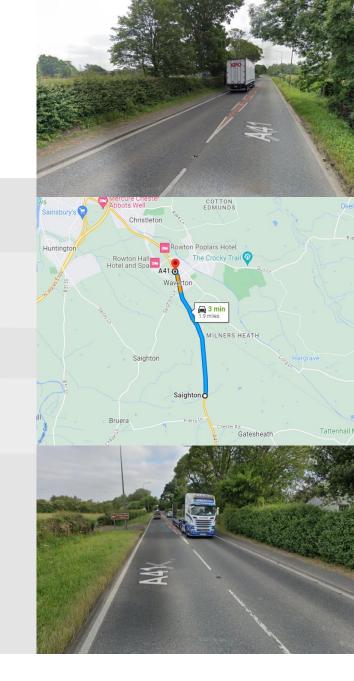
#### > A41 RESURFACING

SCHEME DETAILS – 2km (+250m) of the A41 (Waverton to Hatton Heath) – 5 days full road closure – 3<sup>rd</sup> October 2023 – 7<sup>th</sup> October

#### PROCESS STEPS:

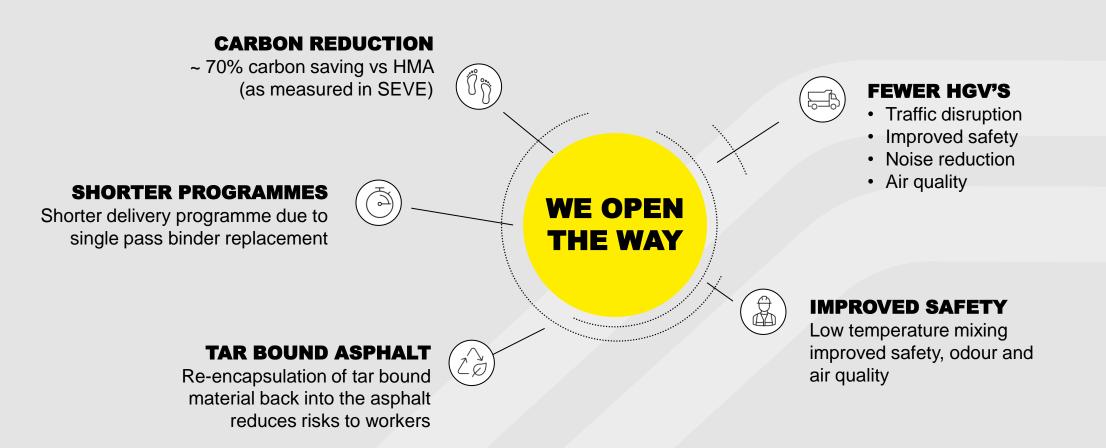
Surface course removal

- depth 40mm
- Binder Course Recycling @100% depth 70mm
- Surface course relaid as SMA depth 40mm
- > **PROGRAMME SO FAR** and the extra section (250m)
- **TESTING** FWD to be completed, cores taken and will produce pavement and mix designs proposal to National Highways





### BENEFITS



COLAS

## FINAL WORD

- > A joint effort Thanks to CW&C!
- A growing market Several solutions towards net zero surfacing
- Aspirations for 2024 Growing the market