

Delivering In-Situ Road Recycling in Ireland: Contractors Perspective

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About Us

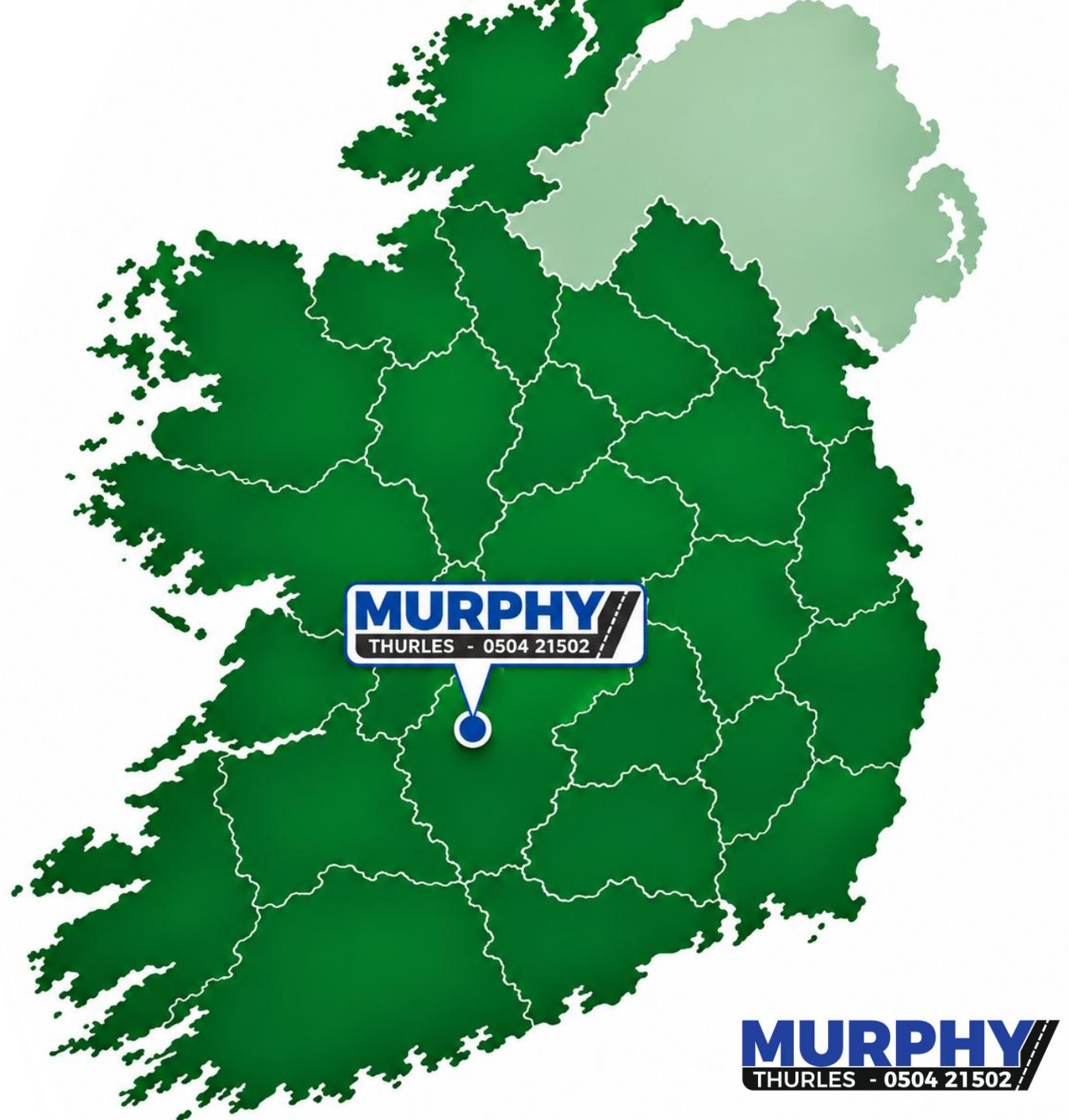
1979 – Present

Direct Team of 30 (not including
Sub-Contractors)

First WR2400 in Ireland **2009/2010**
– **Local Bog Roads**

c.450,000m² of In-Situ Recycling
c. 1,800,000m² of Surface Dressing

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Welcome to Ireland



Irish Road Network

- **Local – 83,400km**
- **Regional – 13,400km**
- **National – 5,300km**

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Asphalt layer(s)
with Chip Seal

Surface Dressing/Chip Seal

Unbound Aggregate/Graded Crushed Stone

Subgrade

Subgrade



Procurement

Included in Tender Documents:

- i. Depth to recycle;
- ii. % water to be added; (EXTRA OVER)
- iii. % emulsion to be added; (EXTRA OVER)
- iv. Binder content of the emulsion;
- v. % cement to be added; (EXTRA OVER)
- vi. Amount of virgin aggregate to be added; (EXTRA OVER + TYPE???)
- vii. **Levels????**



Suitability
Assessment
Questionnaire

Cork Trials 2026

- Two Sites (50km Apart) in Cork County, South Ireland.
- Each Site Split up into three sections
- (150mm Foam, 150mm Emulsion and 110mm AC20).
- Addition of 2.0% Binder
- 1.0% Cement
- Addition of Water started at 3.0% and reduced to 0.5% (Considerable – Loudon Expertise)

SEAL AND
POLYMER SYSTEM

C69 B3

C72 BP3



Trends so far in 2022 – 2026

- Increased Global Warming Awareness

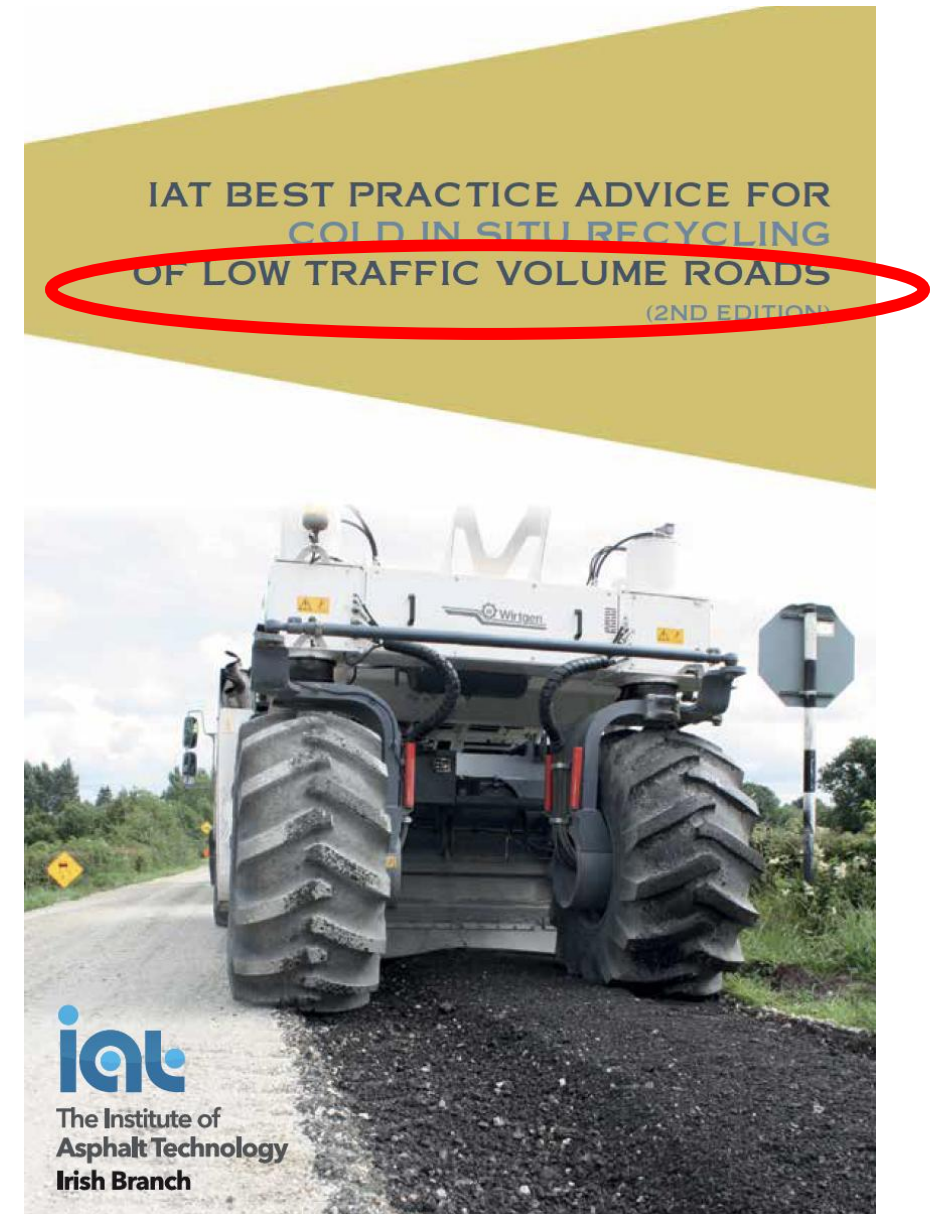


Challenges

- Competition (**Challenge or Not a Challenge?**) – **IMPORTANCE OF TENDER DOCUMENTATION BEING CORRECT.**
- Workforce
- Economies of Scale in Ireland (Promotion of Volume) Avg. 5,000m²
- Logistics (Distance between sites) – **Improvement with clients**
- Drainage (**Sometimes the road is the drain!!**)
- Weather Windows
- Promotion of the Technique (*See next Slide*)

The Irish Approach

Does the title describe the limit of the technology — or simply where the industry originally focused its attention ?





Positives/Improvements

- Create Awareness with Education (Colleges)
- Safety
- Labour Shortage
- Future Trials
- Surface Treatments

(Reducing Train Length by 8m)
and only two operatives
communicate instead of three.



Thank You

- **ART2026, Aachen**