

# Upgrading Recovered Plastics

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# Presentation Agenda

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IFF Background and  
Business Overview

2

IFF Product Portfolio  
From Raw Material

3

Sources of Secondary  
Raw Material

4

IFF Production Process

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Partnering with State  
Agencies

6

Innovation and Working  
with Innovation  
Institutes

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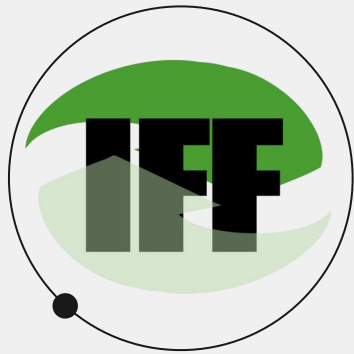
Our Net Carbon Plan

8

Future plans for IFF

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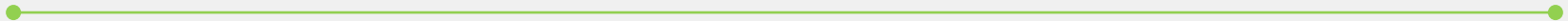
Summary

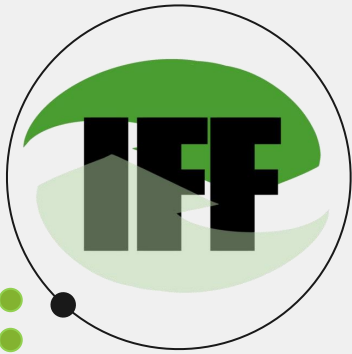


# Plastics Ltd.



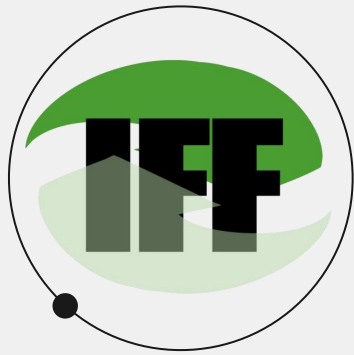
- IFF is a family run plastic recycling manufacturing facility in West Clare since 2010
- Recycling Farm, Industrial & Ocean Plastic into durable plastics products
- Employing 3 staff with 2 subcontracting firms
- Selling product in Ireland and Northern Ireland





# Durable Product: 100% Recycled Fencing posts





# Multiple Applications: From Fencing to Cat-Eyes



Fencing posts with  
painted timber  
runners



Our plastic fencing  
posts with unpainted  
timber runners.

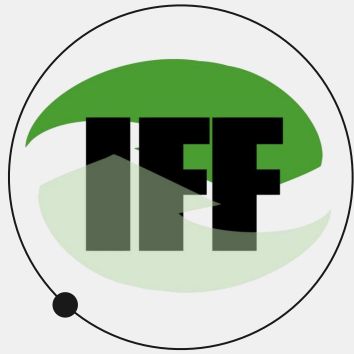


Cattle fencing.



Cat-Eyes





# Multiple Applications: From Light Posts to Post Box Posts



Light Posts



Post Box Posts

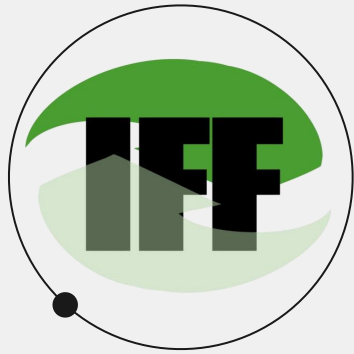


Light Posts



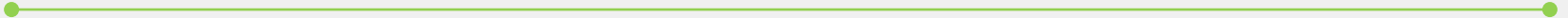
Hand Sanitizer Posts

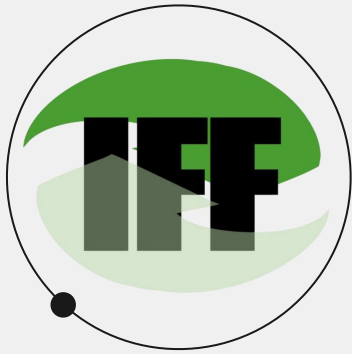




# Benefits of Our Products

- Life Span of up to 40 years – Don't Rot
- Re-Recyclable
- Saving of Trees
- No Leach to Waterways
- Overall More Sustainable Product Adding to Net Carbon Agenda

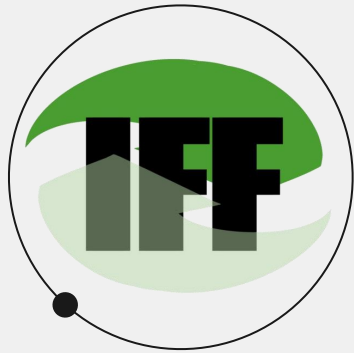




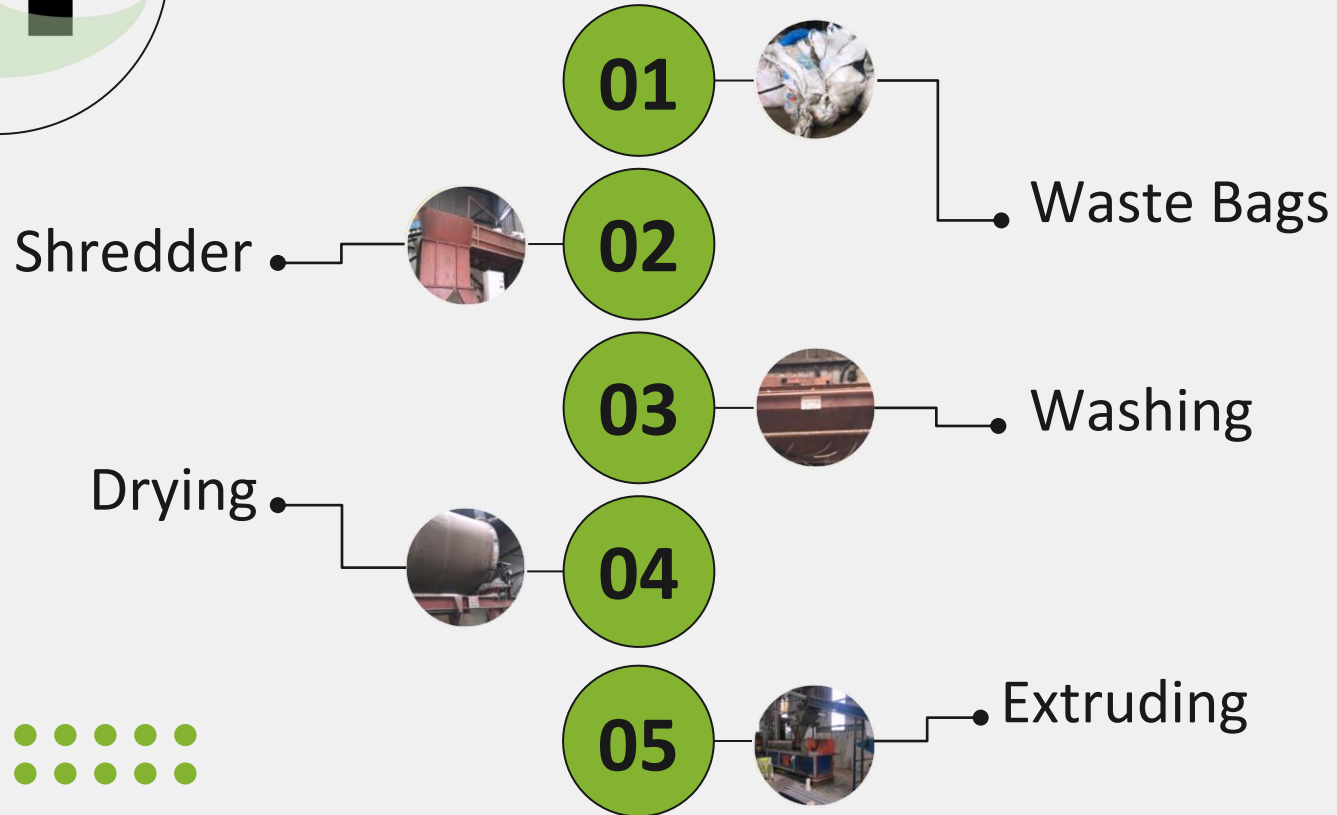
# Incoming Secondary Raw Material







# Plastics Processing





# Partnering with State Agencies



Clare Local Development Company  
Comhlacht Forbartha Áitiúil an Chláir



Oifig Fiontair Áitiúil  
Local Enterprise Office  
An Clár • Clare



Údaráis Áitiúla Éireann  
Local Authorities Ireland



Proud Founding Member of

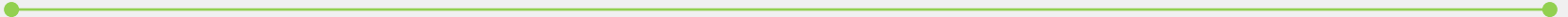
**CIRCULÉIRE**





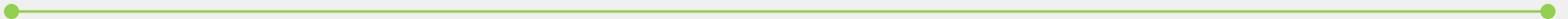
# Supports From Local Enterprise Office Clare

- Green for Micro:
  - Repak
  - Lifecycle Assessment
  - Green Procurement
- Lean for Micro
- Green Start Consulting – End of Waste Certification
- Management Development for Women
- Mentoring
- Training
- Publicity





# Local Enterprise Office Clare





Innovation

Working with Innovation Institutes





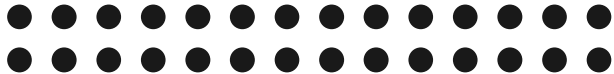
# Circular Impact

- Our Facility is purpose built. All of our equipment is repurposed or reused.
- All of our water is recycled and reused in our washing facility and topped up from rainwater harvesting. No landfill waste is generated.
- Since 2018, 830 tons of waste has been turned into 60,519 posts. A tree can absorb CO<sub>2</sub> at a rate of approximately 22 kilograms per year. We have saved 34,158 trees (752.68 tons)
- No trees were cut down so an added saving of 19,991 trees.





We are in a net Carbon position, our ultimate goal is to scale our business while maintaining our net carbon position.

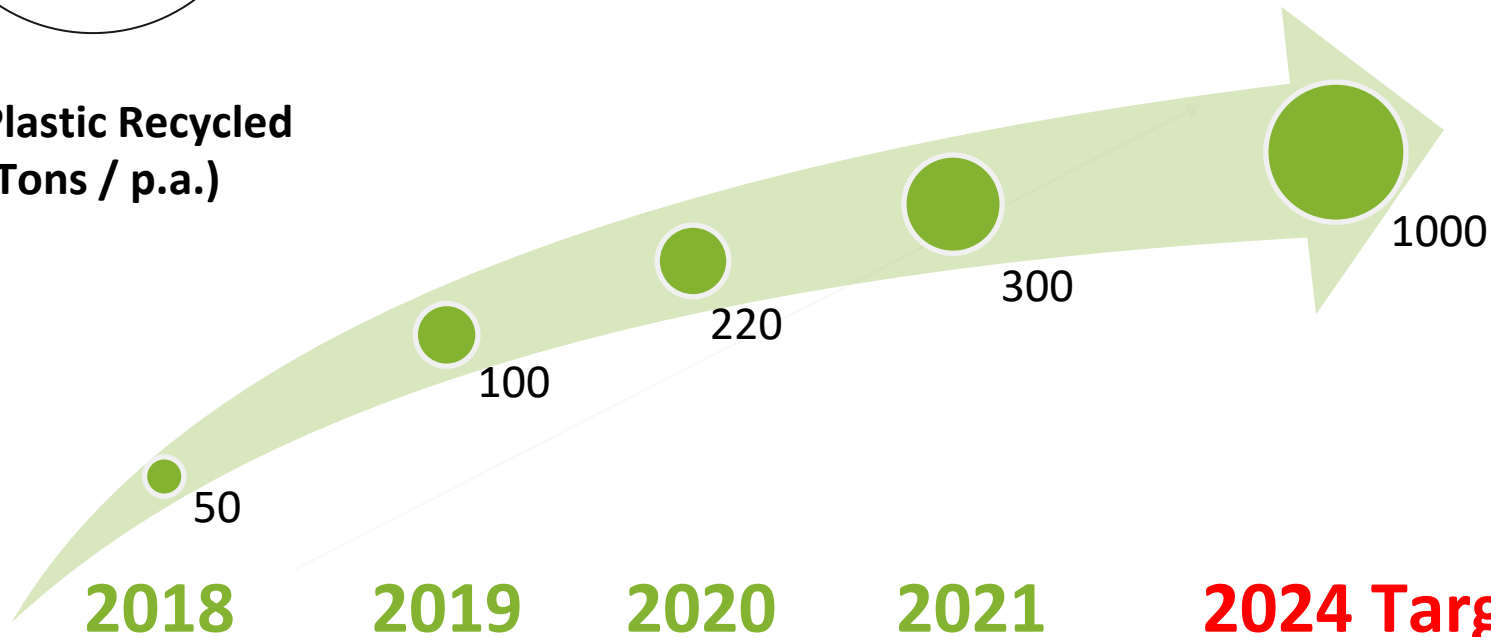




# Circular Impact Goals



**Plastic Recycled  
(Tons / p.a.)**







# Scaling Circular Impact



## Growth Potential

- Waste facility permit for 50,000t per year
- Irelands only Green list facility
- More product orders than capacity
- Increasing capacity through process optimisation

## Challenges

- Funding for growth



## Benefits Of Recycled Fencing Posts

- Last Longer than wooden Posts -  
*They will not Rot!  
They are solid plastic!*
- Maintenance Free -  
*No Creosote required!*
- More Suited to Irish Environment -  
*UV Protected*
- Suitable for Waterways and Areas prone to Flooding  
*- No Leaching!*
- 100% Self Insulated  
*- no additional insulator required*





# Conclusion



Award winning rural business



Negative carbon



Seek support to scale your business



Sourcing of products

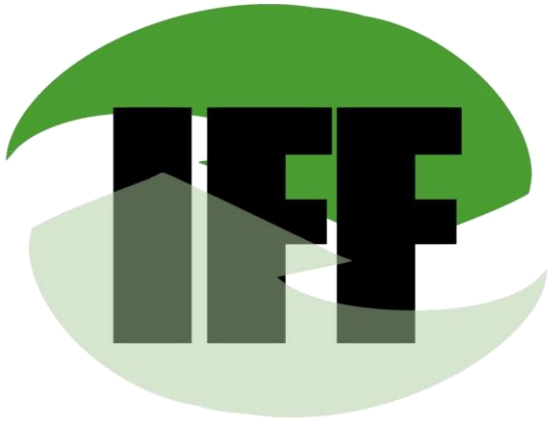


Net Carbon is on our DNA



Green Micro  
Enterprise  
of the Year

**FINALIST**



# Thank You!

Do you have any questions?

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