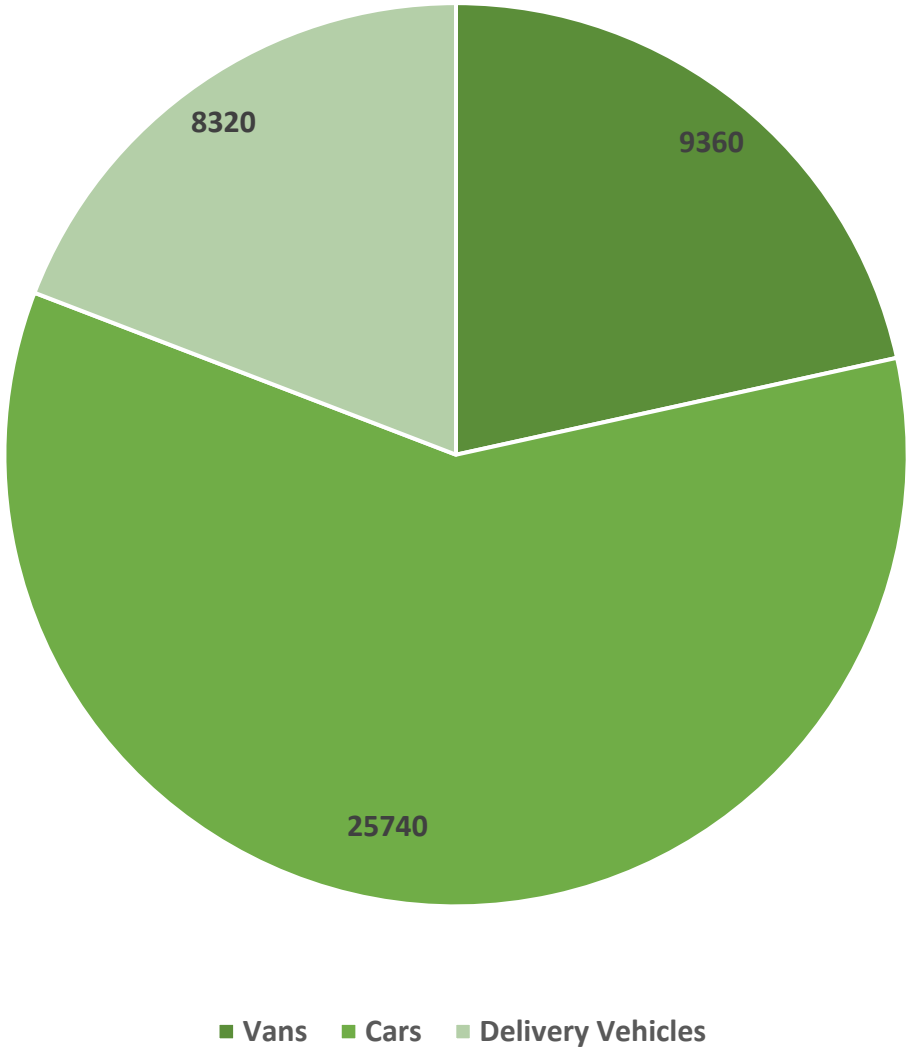



# MCR Group

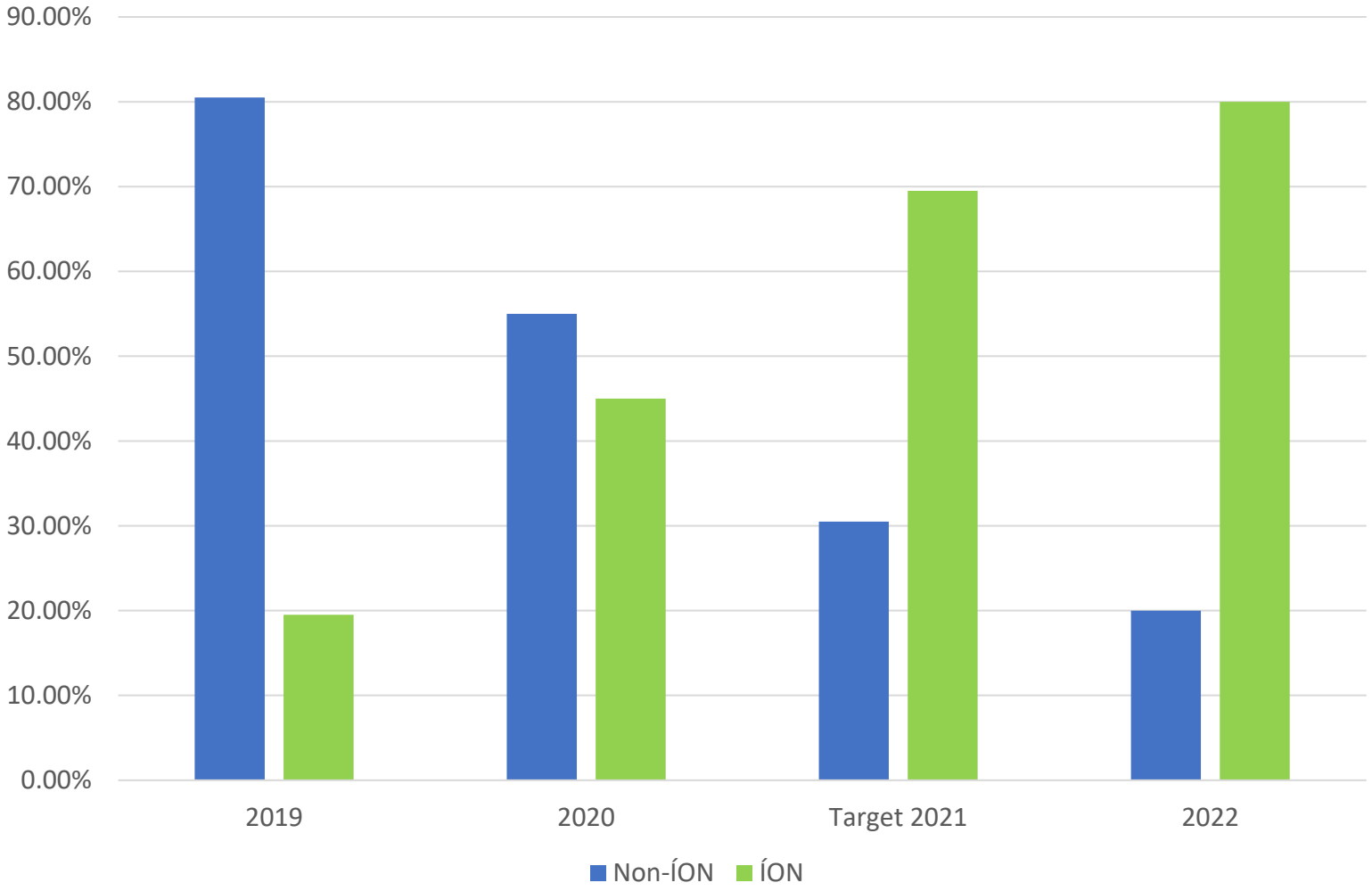
## Green Awards 2021 Submission

# Annual Fuel Savings of ÍON Electric Fleet of 16 Vehicles




**Total 43,420 Litres**

# MCR Cleaning Contract Non-ÍON v ÍON Sites




**Vision For 2020 and Beyond**

All new customers to adapt to ÍON.

All existing customers to be targeted to Ion principles.

Continual improvement and new tech/ideas to be implemented to supplement the service.

# Traditional Chemical Use on a Cleaning Site of 50,000 sq. ft

| Cleaning Chemical | 500ml Bottles Daily | Litres Daily | Litres Weekly | Litres Annually |
|---|---|---|---|---|
| Kitchen Cleaner | 4 | 2 | 10 | 520 |
| Bathroom Cleaner | 8 | 4 | 20 | 1,040 |
| Glass/Mirror Cleaner | 1.5 | 0.75 | 3.75 | 195 |
| Laundry | 3 | 1.5 | 7.5 | 390 |
| General Purpose and Floor | 8 | 4 | 20 | 1,040 |
| | | | **Total** | **3,185** |

100% Saving of Chemical Use on our ÍON sites by Adopting ÍON Practices

75% Saving of Chemical Use on non ÍON sites by Adopting some ÍON Practices

# Water Saving on a Cleaning Site of 50,000 sq. ft by Adopting ÍON Cleaning Practices

| Method | Water Usage Daily Per Bathroom (Litres) | Bathrooms | Weekly (5 Day Week) | Litres Annually |
|---|---|---|---|---|
| Traditional Method Mop and Bucket | 8 | 8 | 320 | 16,640 Litres |
| ÍON Water Saving Method | .75 | 8 | 30 | 1,560 Litres |
| | | | **Total** | **15,080** |
| | | | **Total** | **1067%** |

Our innovative mopping system reduces the environmental impact cause by conventional mopping by over 1067% in bathrooms

75% Saving of water overall by Adopting some ÍON Practices

# Life Cycle of ÍON Reusable, Durable Cleaning Materials



Each cloth and mop should last up to 500 cycles when laundered, stored and cared for during cycle.



1. Bulk purchase of quality microfibre cloths.



2. Distributed by electric vehicles.




3. Distributed using hemp sacks.



4. Soiled cloths and materials collected in electric vehicles.

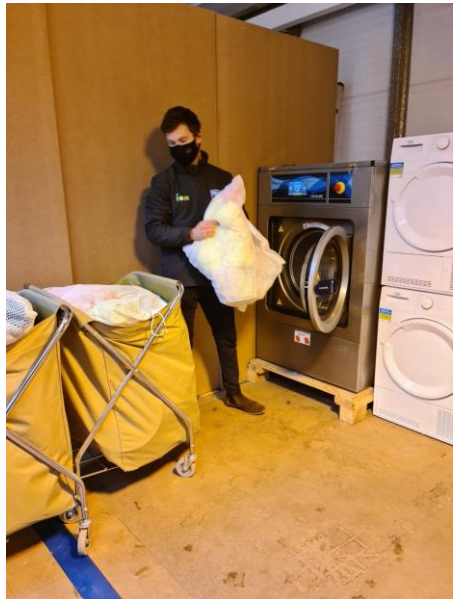


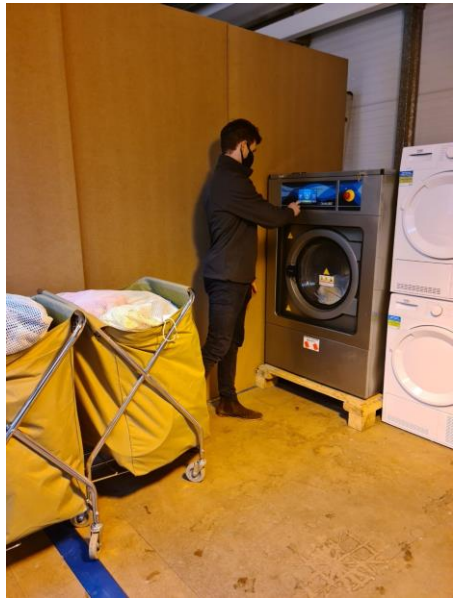
5. Laundered in our warehouse using zero chemicals, low temperature and an eco-friendly machine.

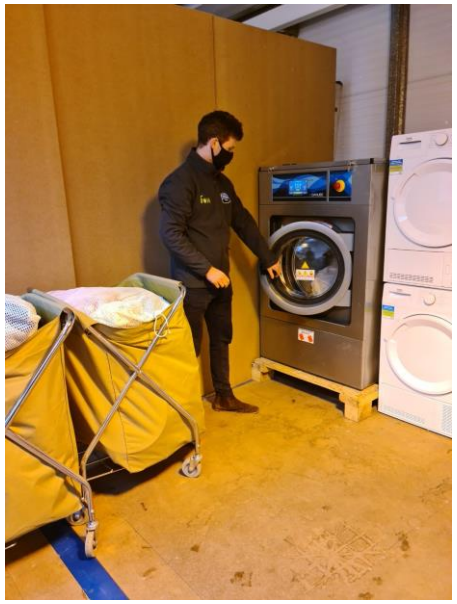


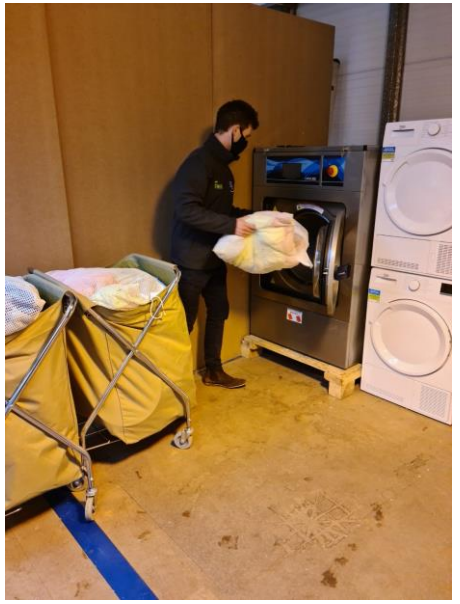
6. Distributed by electric vehicles.

# ÍON In House Laundry Using Chemical Free Detergent Delivered by Our ÍON Electric Fleet











# Reduction of Chemical Supply in a Typical 50,000 sq. ft Non ÍON Account by Switching to Super Concentrated Chemicals

Before MCR
Introduction of ÍON




After MCR
Introduction of ÍON




Overall reduction in chemical orders from **12 to 4 per year**

**75%** reduction on transport and carbon footprint

**70%** reduction in packaging, including plastic & cardboard

4 suppliers to avoid long distance deliveries - **Munster**, **Connaught**, **Leinster** & **Dublin**

# Orders of Cleaning Materials in a Typical 50,000 sq. ft Office 2017 (Before ÍON) v 2019 (After ÍON)

| Year | Plastic Bottles | Chemicals | Cloths | Mops |
|---|---|---|---|---|
| **2017** | 24.5 | 3185 | 500 | 700 |
| **2019** | 6 | 0 | 10 | 20 |

75% reduction in the ordering of plastic spray bottles by increasing their overall quality

100% reduction of chemicals on all MCR ÍON Accounts and a 75% reduction on all MCR Cleaning Accounts

98% reduction in cloths and mops with zero landfill in 2019

# ÍON Electric Fleet (16 Vehicles)






# ÍON

MCR Group: Working towards a greener world

MCR Group has been one of the largest providers of outsourced staff and services in Ireland since 1996. We employ a workforce of over 3,000 staff.

ÍON (ian), meaning pure in Irish, is our branded service offering, encompassing the MCR Group's desire to develop a strategy of sustainably and ethically providing Cleaning, Security, Engineering and Personnel services to our clients. ÍON harnesses the latest technology and innovations in order to minimise the environmental impacts our business processes have.

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