A Subscription-Based Recycling Business Model for PPE and Plastic Packaging

Innovative solutions for sustainable waste management in the PPE sector.

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Introduction to Subscription-Based Recycling

Innovative Subscription-Based Recycling for PPE and Plastic Packaging



Innovative model of subscriptionbased

This model revolutionizes recycling by providing a subscription service for materials.



Focus on PPE and plastic packaging

The model specifically targets personal protective equipment and plastic packaging for effective



Challenges of waste segregation

Identifying and sorting different waste types poses significant challenges within the recycling



Controlling costs

Effective management of operational costs is crucial for the sustainability of the subscription



Achieving sustainability goals

This model aims to meet broader sustainability objectives by promoting responsible recycling

Proposed Business Model Overview

Comparing Basic and Premium Subscription Plans for PPE Recycling



Basic Plan

Offers free or discounted recycling services.

Specifically targets Kimtech and KleenGuard PPE.

Encourages initial engagement with recycling.

Ideal for users with limited recycling needs.

Promotes basic sustainability practices.

Allows users to test the service without commitment.

Provides a foundation for recycling awareness.



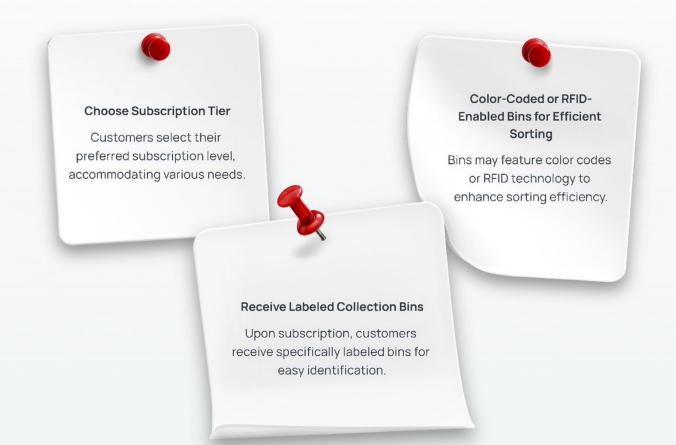


Premium Plan

Accepts all brands of PPE for recycling.
Includes added services for comprehensive recycling.
Caters to a wider audience with diverse needs.
Encourages more extensive sustainable practices.
Supports larger-scale recycling operations.
Provides a more robust solution for businesses.
Enhances brand loyalty through inclusive services.

Customer Onboarding and Subscription

Understanding the Steps in the Onboarding Process



Waste Collection and Sorting Process

Efficient segregation of PPE and packaging using advanced technologies

Al-Powered Scanners

Utilize AI technology to identify and categorize waste materials swiftly.





RFID Systems

Employ RFID technology for precise tracking and sorting of waste by brand.

Material Type Segregation

Sorts waste based on material types such as plastic, metal, and paper.



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Brand Identification

Ensures packaging waste is sorted according to various brand specifications.

Efficient Waste Management

Streamlines the recycling process, minimizing contamination and improving recovery rates.





Contamination Inspection with IoT Sensors

Ensuring Efficient Waste Processing in Recycling Facilities



IoT Sensor Implementation

Explore the use of IoT sensors at recycling facilities to streamline operations.



Contaminant Detection

Detect contaminants to ensure only eligible waste is processed, improving the quality of recycled materials.



Customer Notifications

Notify customers of any issues via email or dashboard alerts, enhancing communication and transparency.

Billing and Reward System

Understanding the incentives and structure of our innovative model

Understand the billing structure

No fees for Ansell-branded PPE ensure cost-effective recycling.





Surcharges for non-Ansell items

Additional fees apply for non-Ansell products to encourage brand loyalty.

Discounts and carbon credits

Customers can earn discounts or carbon credits by meeting recycling targets.



Incentivizing sustainable practices



The system is designed to motivate customers towards environmentally friendly actions.

Reporting and Continuous Improvement

Harnessing Data for Effective Recycling Practices

Real-Time Insights

Power BI dashboards provide real-time data on recycling progress, enabling quick decision-making.

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Regular Reviews

Monthly reviews via Microsoft Teams ensure team alignment and accountability in recycling efforts.

Continuous Improvement

The use of analytics drives continuous improvement, fostering a culture of innovation in recycling operations.

Process Optimization

Analyzing data helps optimize collection and sorting processes to enhance efficiency and reduce waste.

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RFID tags and Al scanners reduce human

Implementing RFID and AI technology minimizes mistakes in recycling operations, enhancing





IoT sensors detect contaminants

IoT sensors are utilized to identify harmful contaminants in materials, ensuring safer





Minimizing processing costs

Technological advancement s lead to reduced operational costs, improving overall efficiency in





Power Automate sends alerts

Utilizing
Power
Automate for
notifications
streamlines
communicatio
n and
enhances
responsivene





Avoiding delays and penalties

By integrating technology, businesses can avoid delays in processing and associated penalties, ensuring

Technological Enhancements

Innovative Solutions for Efficient Recycling
Processes

Key Benefits of the Model

Exploring the advantages of a subscription-based recycling approach

01 Cost control through subscription revenue



This model ensures predictable income, allowing for better financial management and cost efficiency.

02 Reduced carbon footprint with fewer emissions



By streamlining recycling processes, this model minimizes transportation and energy usage, thus lowering overall emissions.

Improved customer experience with flexible options and reward systems



Customers benefit from a variety of subscription plans and incentives, enhancing satisfaction and loyalty.



Automation reduces manual sorting costs.

Implementing automated systems minimizes the need for labor-intensive sorting, leading to significant cost savings.

Subscription revenue offsets recycling expenses for non-Ansell PPE.

The revenue generated from subscriptions helps cover the costs associated with recycling products that are not from Ansell, ensuring sustainability.





Enables efficient financial management.

A structured subscription model allows for better tracking and management of financial resources, enhancing overall efficiency.

Cost Control Mechanisms

Effective strategies for managing costs in a subscription-based model

Reducing Carbon Footprint

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Fewer rejected shipments

Minimizing rejected shipments leads to lower waste and resource use.



Efficient tracking tools

Utilizing
advanced
tools for
tracking
enhances
operational
efficiency and
reduces
emissions.



Reduction of emissions

Implementing sustainable practices directly contributes to lower carbon emissions.



Support for customer sustainability objectives

Aligning business operations with clients' sustainability goals fosters stronger partnerships.

Enhancing Customer Experience

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Flexible Subscription Options

Flexible subscription options simplify waste segregation for customers, making recycling more accessible.

Improved Customer Relationships

Enhancing the overall customer relationship through tailored services and engagement strategies.



Loyalty Rewards Program

Rewards for Ansell-branded purchases foster customer loyalty, encouraging repeat business.

Real-World Application

Addressing customer pain points

Focus on mitigating high sorting costs associated with recycling processes.

Maintaining operational efficiency

Ensure that Ansell's operations remain efficient while integrating recycling practices.

Leveraging technology

Utilize innovative technologies to create mutual benefits for stakeholders in recycling.

Utilizing incentives

Implement incentive programs to enhance collaboration among participants in the recycling ecosystem.



Scalability and Future Potential

Exploring the transformative impact of a subscription-based model





Scalability of the model across different sectors

The subscriptionbased recycling model can be adapted for various industries, enhancing its reach



Potential to revolutionize recycling practices globally

This approach has the capacity to fundamentally change how recycling is approached worldwide, promoting



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Enhancing brand loyalty

By engaging customers in sustainable practices, brands can build stronger relationships and loyalty among their

Join the Movement Towards Sustainable Recycling

Partner with us for a cleaner, greener future.

