STARTRUST

Carbon Management Platform

- Carbon Star -

Skyler
2024/01

About GHG Assessment

ISO 14064-1 GHG Assessment

Category 1	Category 2	Category 3	Category 4	Category 5	Category 6
Direct GHG emissions and removals	Indirect from imported energy	Indirect from transportation	Indirect from the product used by the organization	Indirect from the use of products from the organization	Indirect Greenhouse Gas Emissions from Other Sources
Stationary combustion	Imported electricity	Upstream transport and distribution for goods	Purchased goods	The use stage of products	The previously unmentioned parts.
Mobile combustion	Imported energy (Utility other than electricity)	Downstream transport and distribution for goods	Capital goods	Downstream leased assets	
Process emissions		Employee commuting	Waste disposal	End of life stage of products	
Fugitive emissions		Client and visitor transport	Leased assets	Investments	
Land use		Business travel	Other		

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Identification of GHG Emission

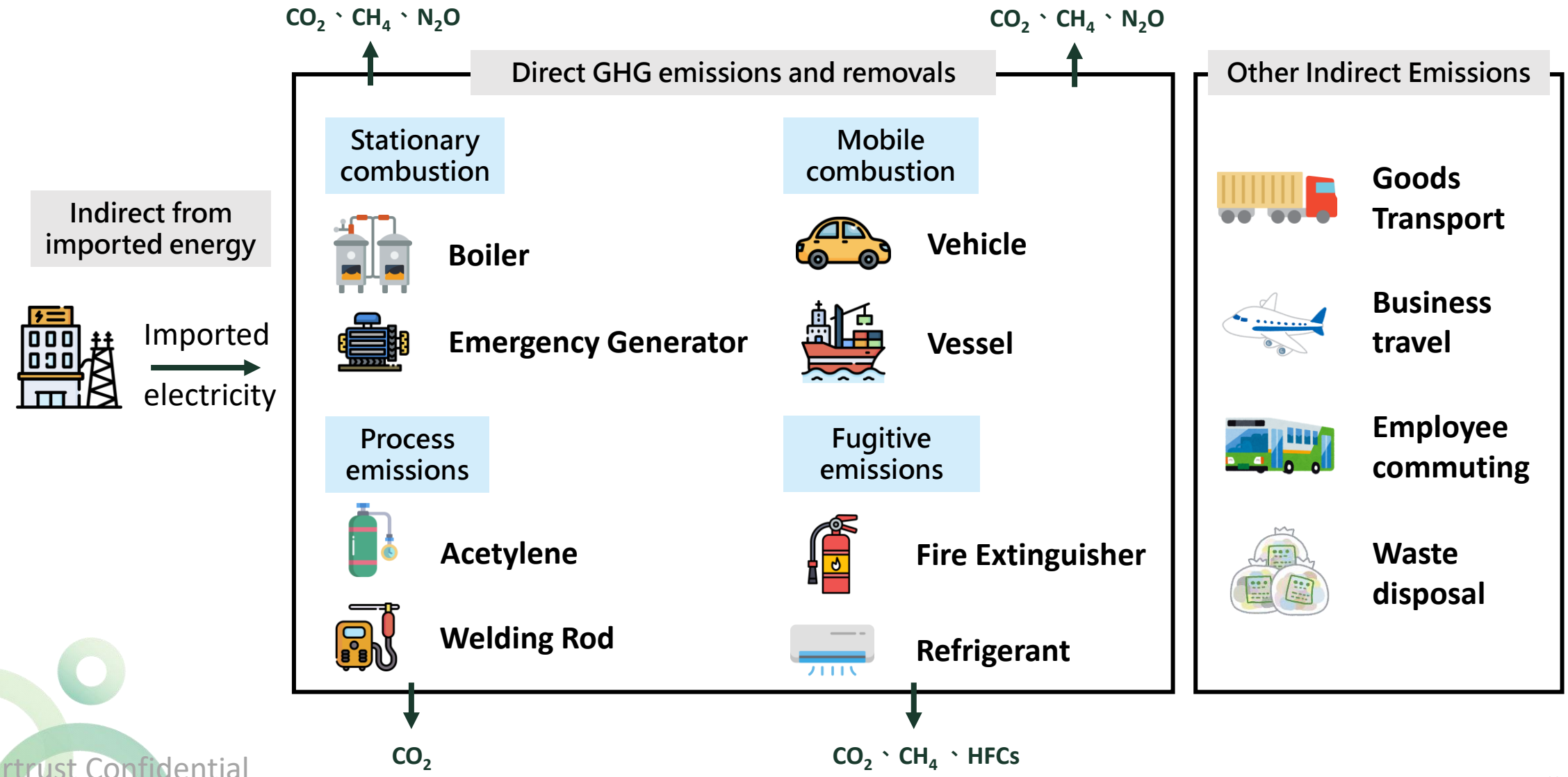

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Image: https://www.flaticon.com/

Collecting data in a digital format

System Architecture

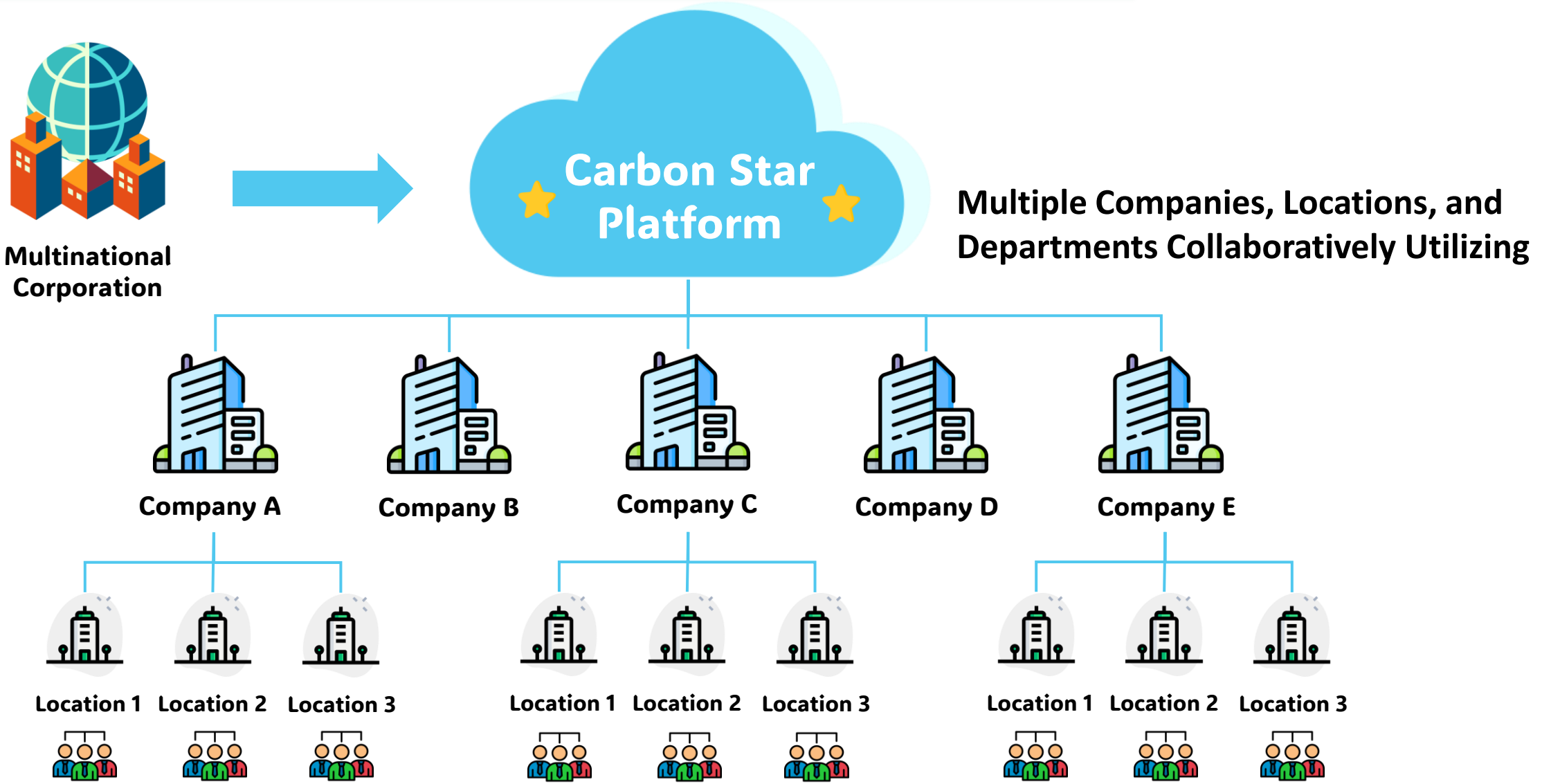

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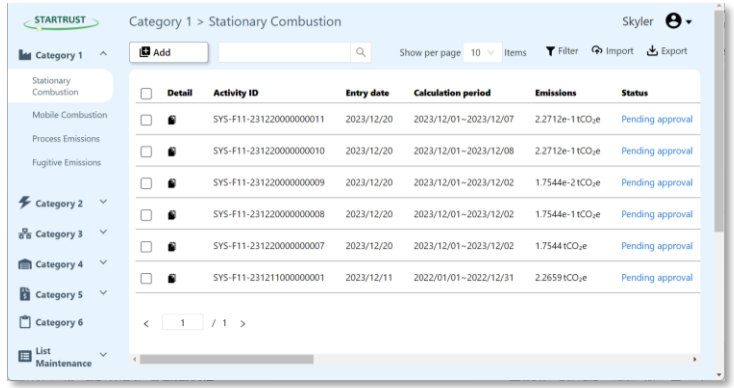
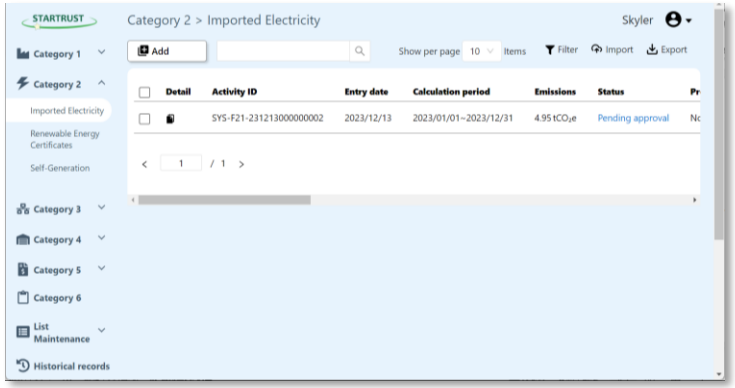
Image: https://www.flaticon.com/

ISO 14064-1 Activity Data Collection Module



Category 1



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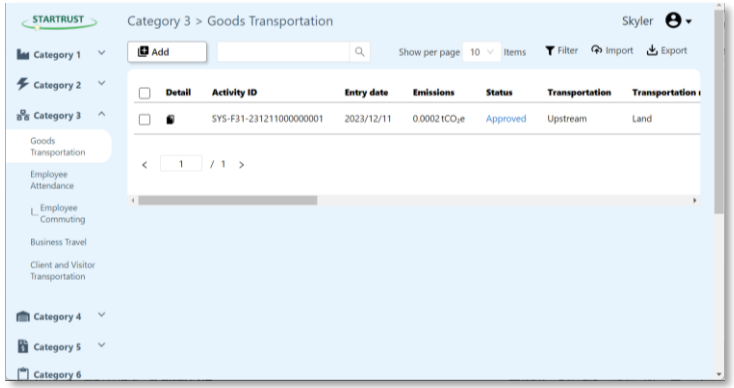
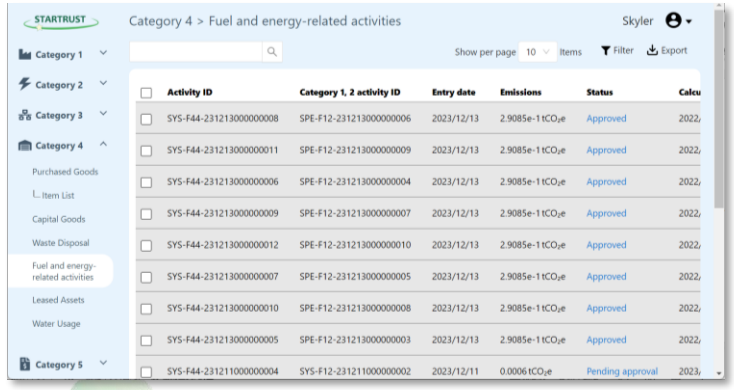


Category 3



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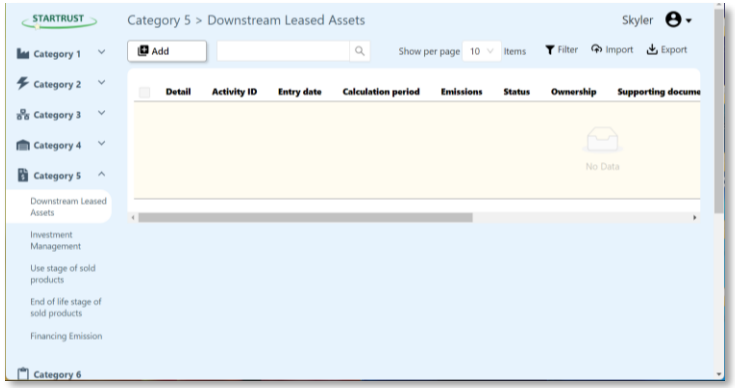

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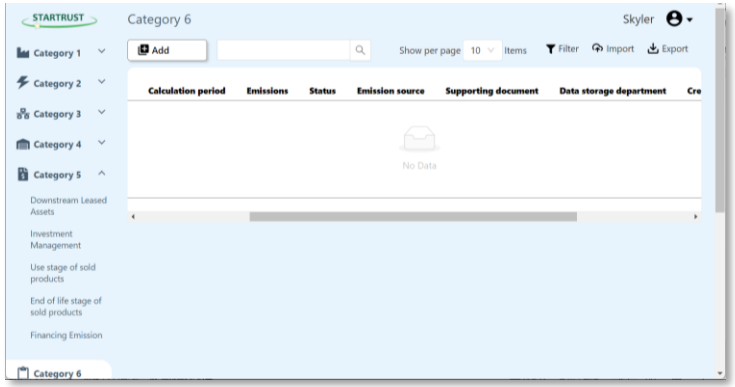

Category 6

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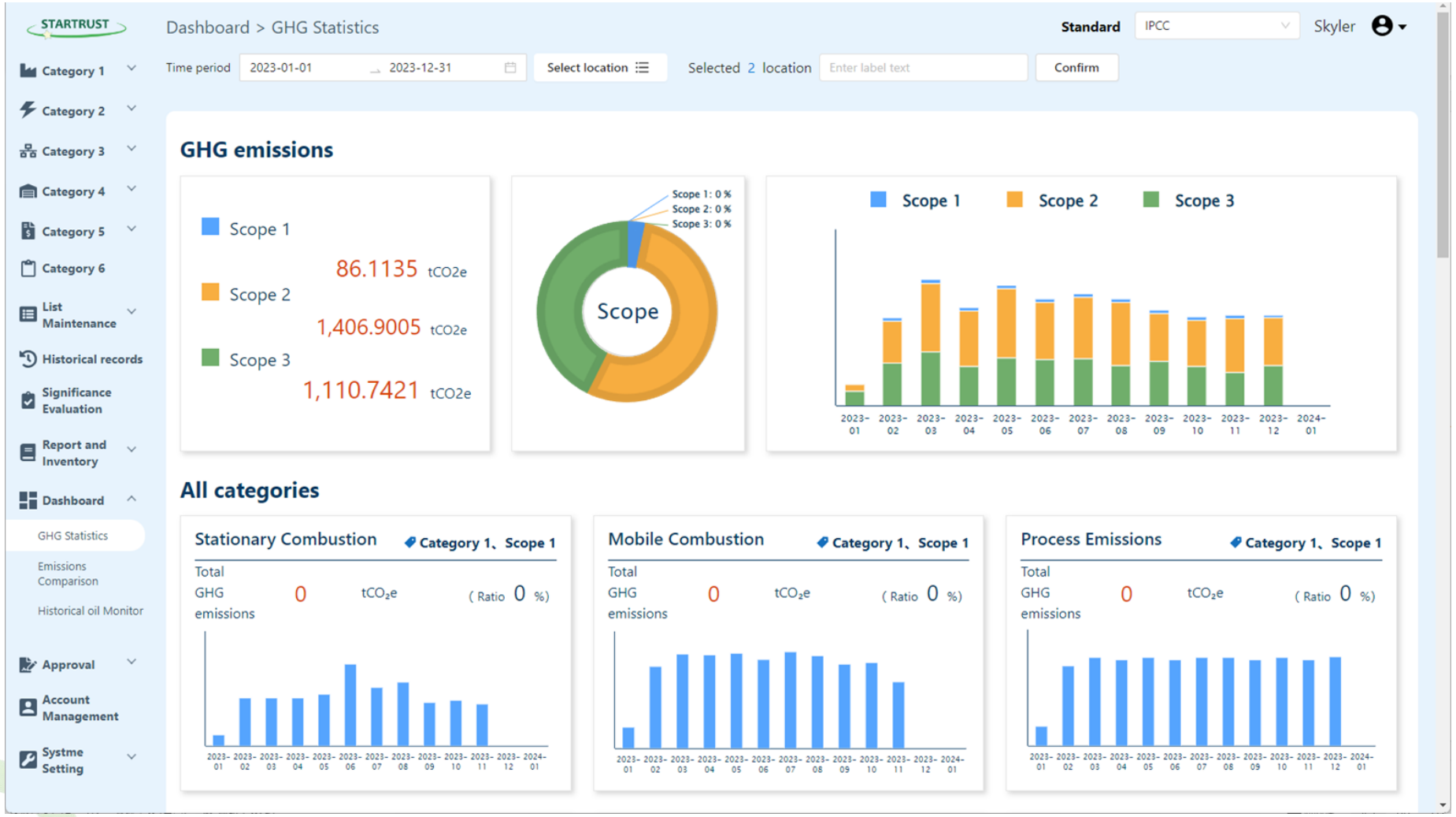
Visualizing Data on a Dashboard



- **Comprehensive Presentation of Emission Quantities by Category**
- **Switching Factors for Different Standards**
- **Comparison of Emission Quantities by Month**

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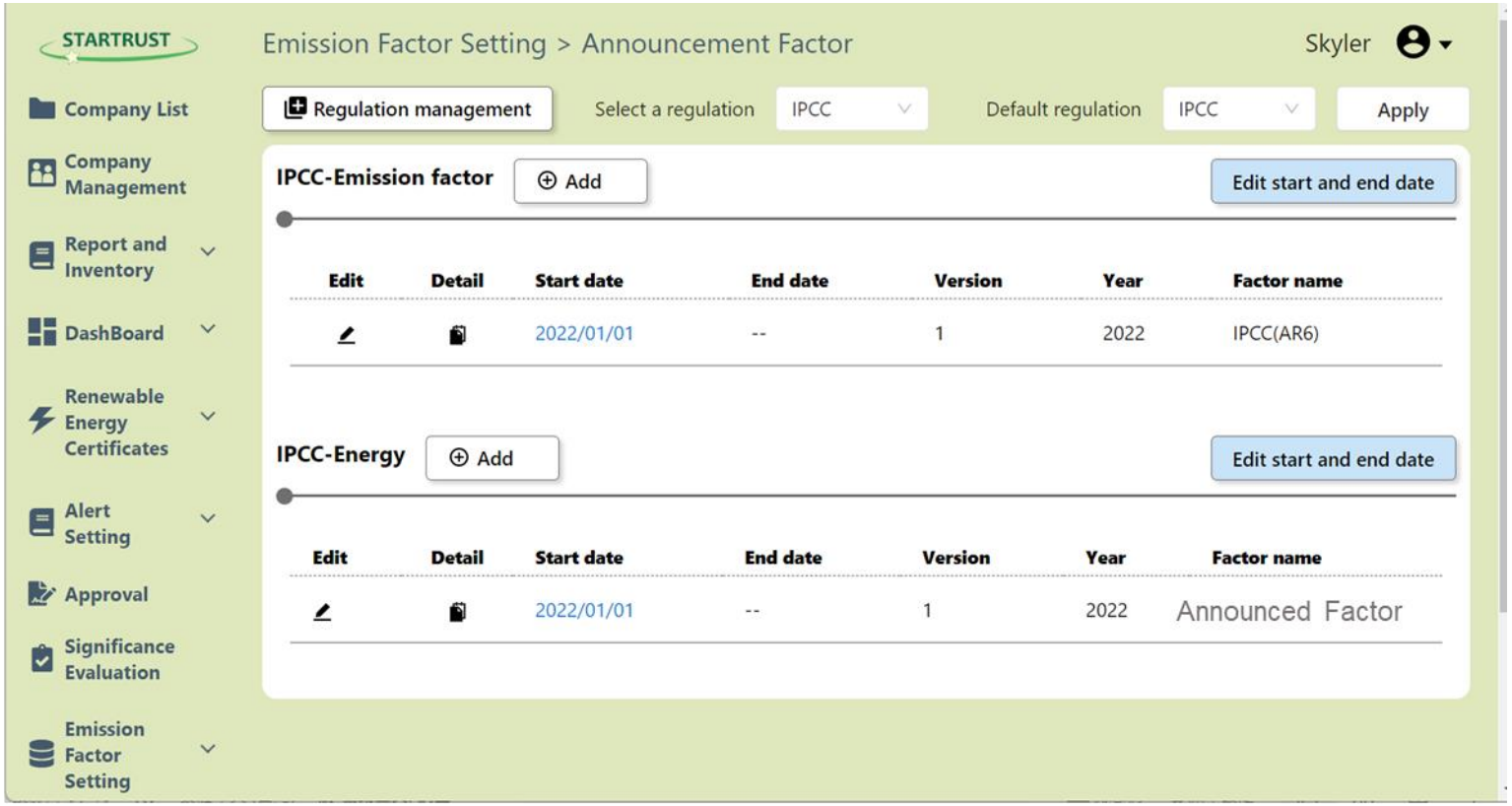
Image: https://www.flaticon.com/

Key Platform Features

Compliance with regulations

- Compliance with ISO 14064-1
- Scope 1-3 / Category 1-6
- IPCC Announced Factors
- Documentation Retention

IPCC Announced Factor



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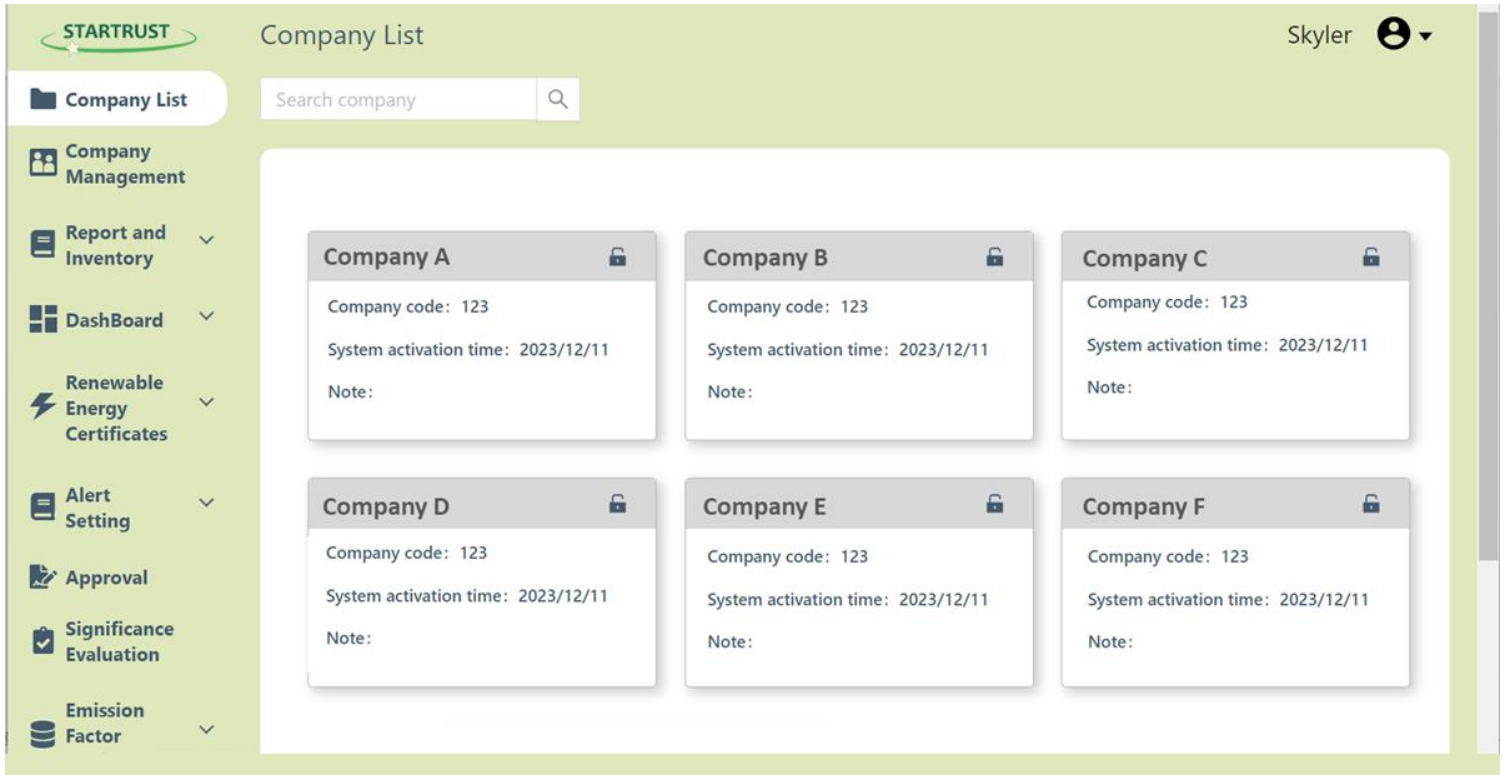
Key Platform Features

Designed for organizational use

- Tiered Management for Group, Company, and Department
- Collaborative Multi-User
- Responsibility Assignment
- List Maintenance and Management

Company List



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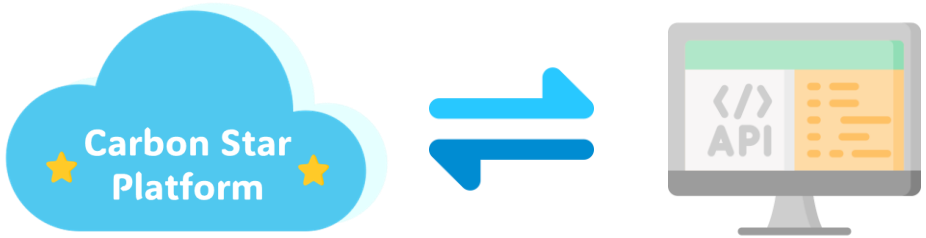
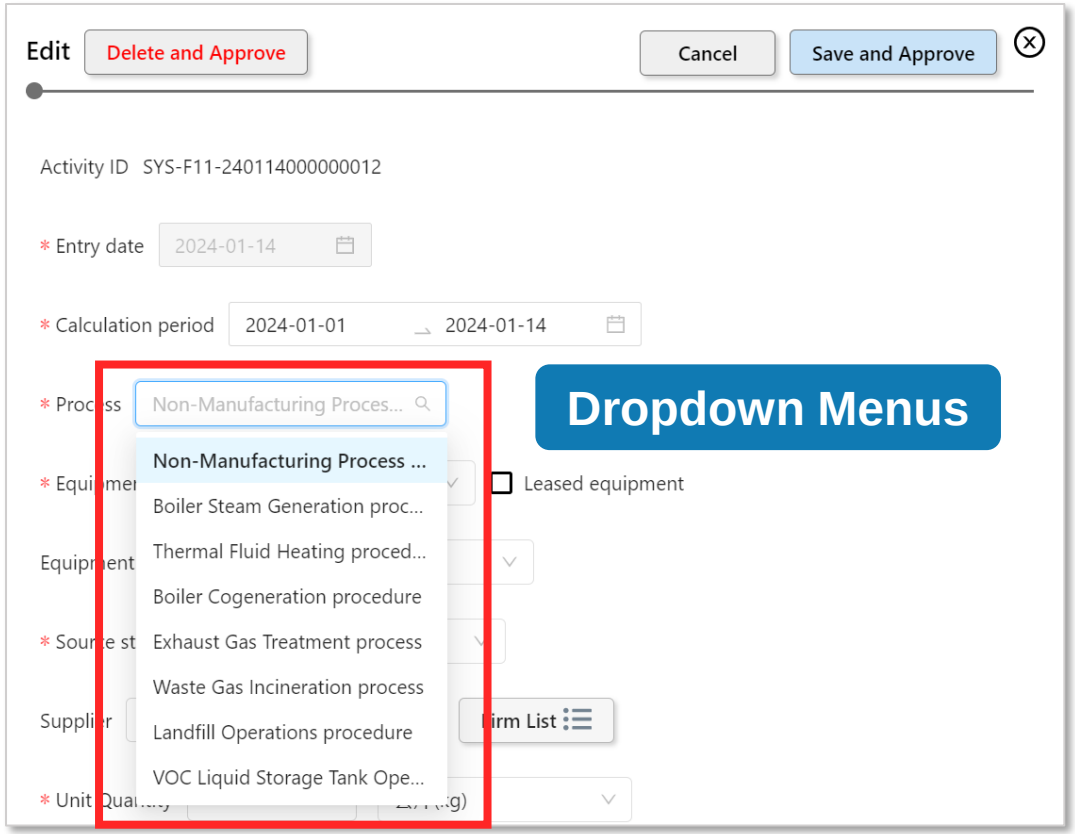
Key Platform Features

User-friendly



- **Single Entry**
- **Dropdown Menus**
- **Excel Import and Export**
- **API Integration**
- **Mandatory Field Alerts**
- **Error Checking**



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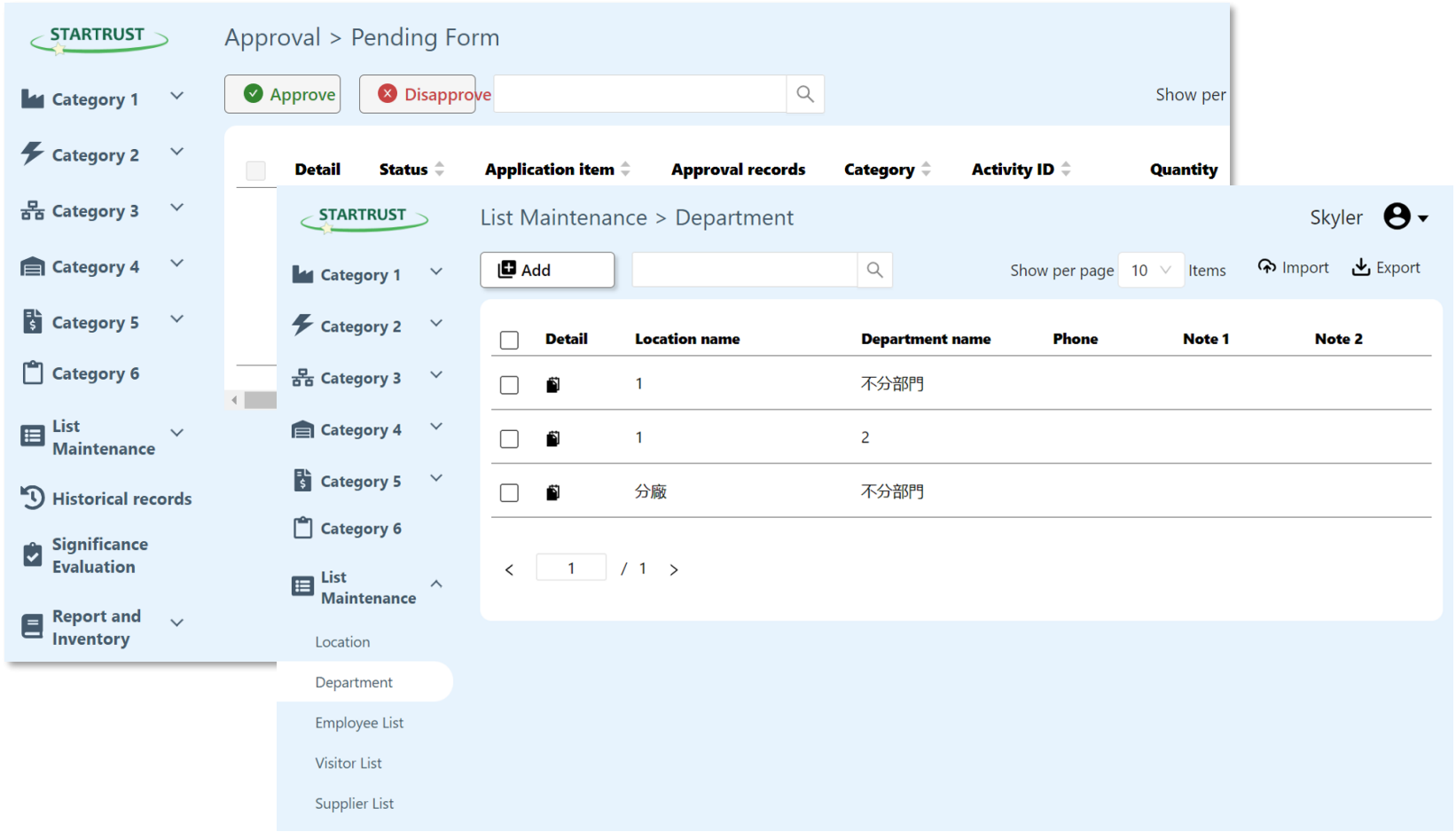
Key Platform Features

Management features

- **Approval/Rejection Feature**
- **Overdue Notification**
- **Authority/Responsibility, Organization Setting**
- **Site Addition Setting**



About Carbon Star ⭐

- Data Automation Integration
- Carbon Reduction Data Visualization
- Comparison of Carbon Reduction Progress
- Automated ISO 14064-1 Report Generation.

Integration with Enterprise ERP, HR Systems, and Air Pollution Reporting Forms.

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

CDP
DISCLOSURE INSIGHT ACTION

- Inventory Report
- Certification Guidance
- Product Carbon Footprints

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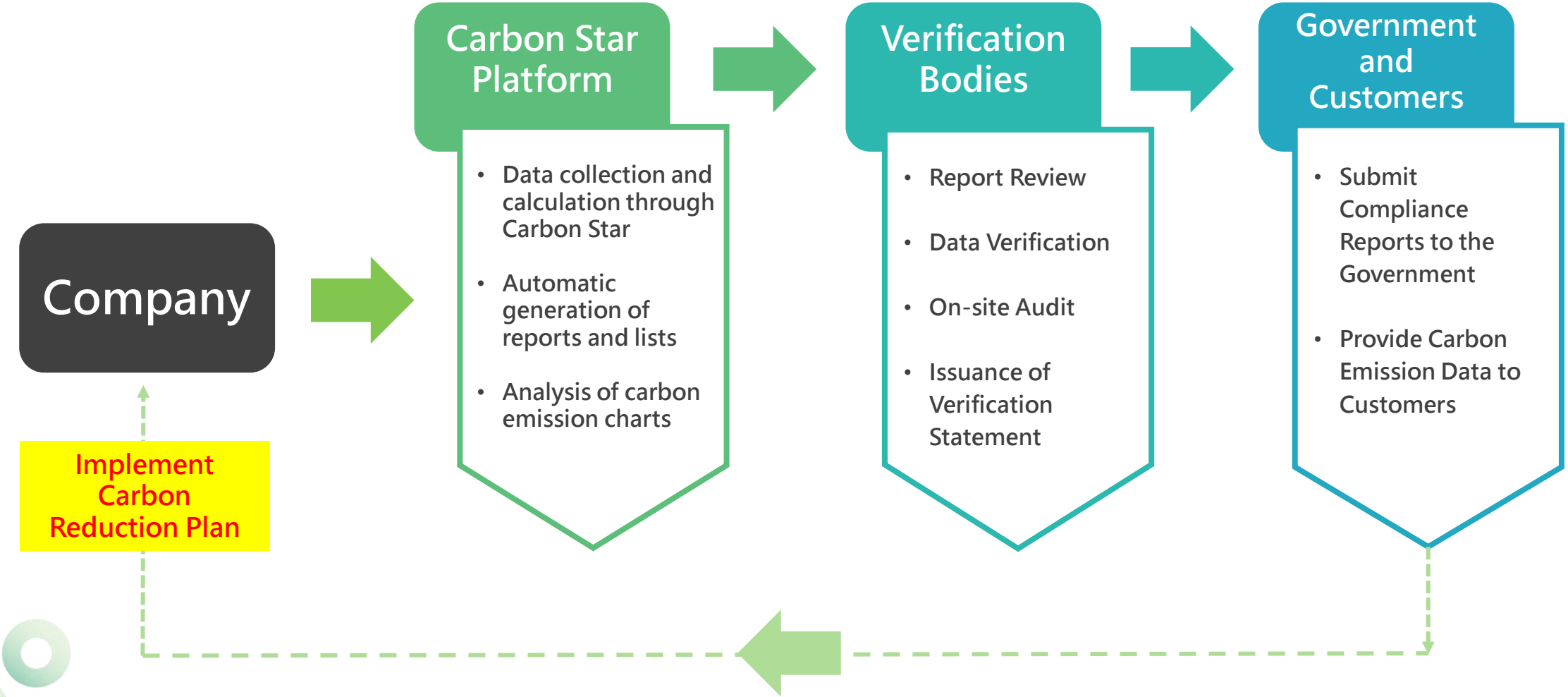
Towards Sustainability

GHG Assessment Process



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Sustainable Pathway

1 Inventory

- ISO 14064-1
- ISO 14067
- Carbon Label

2 Data Comparison

- Comparing Domestic and International Data
- Comparing Emission Levels
- Identify Carbon Reduction Hotspots

3 Carbon Reduction

- Systematic Management
- Data Analysis
- Energy Management

NET ZERO 2050

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THANK YOU

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