ESGP

Enterprise Sustainability Governance Platform

Partner with Hamastar Technology's ESGP to initiate your corporate sustainability journey through carbon footprint management

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Marketing Manager

Agenda

- About HamaStar Technology
- Product Introduction

Established	2000
Number of Employees	190+
Capital	USD 4.7 million
Annual Revenue	Approximately USD 10 million
Headquarters	**Kaohsiung**, with an office in Taipei
Product & Services	Software services digital products

Certifications

- ISO/IEC 27001:2022 Information Security Management System (ISMS)
- ISO/IEC 27701:2019 Privacy Information Management
- BS 10012:2017 Personal Information Management System (PIMS)
- AA1000 Sustainability Reporting

Our Key Clients

Central Governments

- 行政院 Executive Yuan
- 國家發展委員會 National Development Council
- 考試院 Examination Yuan
- 文化部 Ministry of Culture
- 中華民國外交部 Ministry of Foreign Affairs Republic of China (Taiwan)
- 教育部 全球資訊網 Ministry of Education
- 勞動部勞動力發展署 Workforce Development Agency, Ministry of Labor
- 臺北市議會 Taipei City Council
- 交通部臺灣鐵路管理局 Taiwan Railways Administration, MOTC
- 監察院 The Control Yuan

Local Governments

- 臺北市政府 Taipei City Government
- 高雄市政府全球資訊網 Kaohsiung City Government
- 嘉義市政府 Chiayi City Government
- 宜蘭縣政府 Yilan County Government
- 澎湖縣政府 Penghu County Government
- 金門縣政府 Kinmen County Government
- 屏東縣政府 安居樂業 幸福屏東
- 墾丁國家公園管理處 Kenting National Park

Educational and Public Associations

- 財團法人資訊工業策進會
- 工業技術研究院 Industrial Technology Research Institute
- 國立臺灣大學 National Taiwan University
- 雲林科技大學
- 國立高雄科技大學 National Kaohsiung University of Science and Technology
- 國立中山大學 National Sun Yat-sen University
- 國立高雄大學 National University of Kaohsiung
- 國立陽明交通大學 National Yang Ming Chiao Tung University
- 雲林縣縣網中心 國小/國中/高中網站

Corporates

- tsmc
- MediaTek 聯發科技
- 南山人壽
- Kingston Technology
- OSE A partner you can count on
- 臺灣港務股份有限公司 Taiwan International Ports Corporation, Ltd.
- 高雄榮民總醫院 Kaohsiung Veterans General Hospital
- 長庚醫療財團法人 Chang Gung Medical Foundation
- Eternal
- 臺灣土地銀行 Land Bank of Taiwan

Local Governments 95%↑

Central Governments 3院 12部會↑

中央機關

- 行政院 Executive Yuan
- 國家發展委員會 National Development Council
- 監察院 The Control Yuan, Republic of China (Taiwan)
- 考試院 Examination Yuan of ROC
- 中華民國內政部 Ministry of the Interior, R.O.C. (Taiwan)
- 教育部
- 中華民國外交部 Ministry of Foreign Affairs, Republic of China (Taiwan)
- 勞動力發展署 Workforce Development Agency
- 經濟部水利署
- 行政院公共工程委員會 Public Construction Commission, Executive Yuan
- 中華民國行政院大陸委員會 Mainland Affairs Council, Republic of China (Taiwan)
- 客家委員會 Hakka Affairs Council
- 交通部臺灣鐵路管理局 Taiwan Railways Administration, MOTC
- 財政部財政資訊中心 Fiscal Information Agency, Ministry of Finance

法人學校

- 工業技術研究院 Industrial Technology Research Institute
- 國立臺灣大學
- 雲林縣教育網 Yunlin County Education Department
- 國立陽明大學
- 國立高雄大學

企業

- tsmc
- 南山人壽 NAN SHAN
- 土地銀行
- MEDIATEK
- OSE 華泰電子
- 台灣中油股份有限公司
- 長庚紀念醫院 Chang Gung Memorial Hospital
- 臺灣港務股份有限公司 TIPC Taiwan International Ports Corp, Ltd.
- Kingston

TSMC

Employee Welfare Committee Ticket Booking and Registration System

Evaluation Integration Management System

Business Travel Request System

Transportation Web

Dormitory Web

MediaTek

Massage Appointment Website

Health Checkup Appointment Website

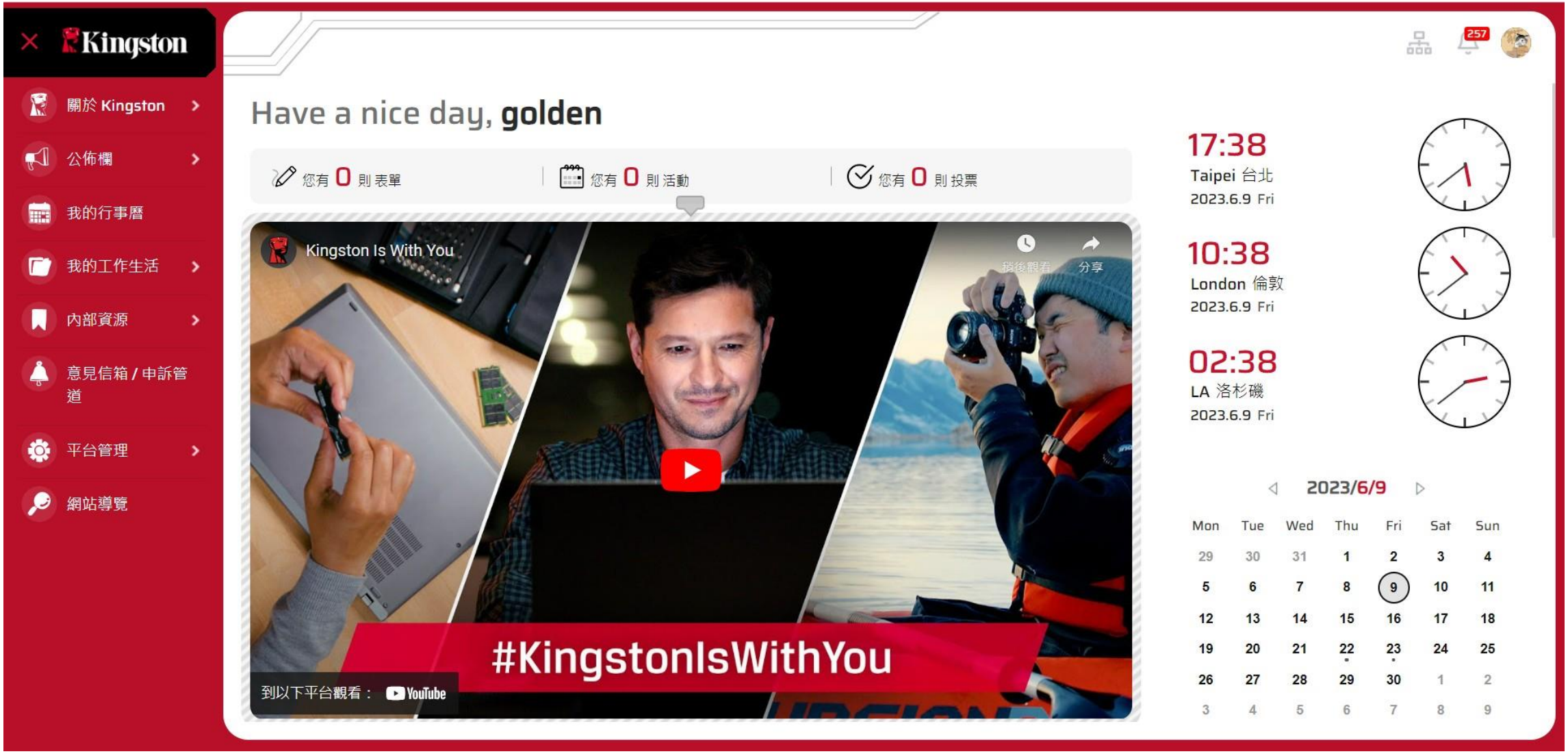
Sports Venue Reservation Website

Medical Consultation Website

Wedding Banquet Survey Website

Newborn Celebration Survey Website

Kingston


Kingston
關於 Kingston
公佈欄
我的行事曆
我的工作生活
內部資源
意見信箱 / 申訴管道
平台管理
網站導覽
Have a nice day, golden
您有 0 則 表單
您有 0 則 活動
您有 0 則 投票
Kingston Is With You
稍後觀看
分享
#KingstonIsWithYou
到以下平台觀看： YouTube
257
17:38
Taipei 台北
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London 倫敦
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Product Introduction

GHG Emissions Stem from Day-to-Day Operations

Sales | Marketing | Production | Management | IT | Finance

IT Systems

ERP/SAP systems

CRM systems | MES systems | HR systems | Financial systems

EMS systems

Scenarios	Client visit	Exhibition	Production	Employee attendance	Data center operation	Printed forms
Costs	Trip expense	Curation Ad	Production equipment	Salary Employee meal	Host, electricity	Printer, paper
GHG Emissions	Transportation	Decoration, construction	Utility	Transportation	Electricity	Electricity, paper

Challenges of Data Collection

Responsible Person

1-1.5 months

1. Reach out through paperwork and e-mails

2. Responsible persons of each department to collect data

5-8 working days

~150 systems

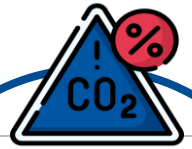
3. Consolidate collected forms into Excel files

4. Generate statistical reports

Multiple facilities, departments, targets, and responsible persons that create a significant number of forms…

Facilities	Facility 1	Facility 2	Facility 3	Facility 4	Facility 5	
Organizational Departments	Management	General Affairs	Procurement	HR	Production Control	Equipment …
Responsible Persons	Person 1	Person 2	Person 3	Person 4	Person 5	Person 6 …

Product Family



Corporate Carbon Footprint

ISO 14064-1, GHG Protocol

Product Carbon Footprint

ISO14067

ESG Reporting

GRI, SASB, TCFD, IFRS, SDGs

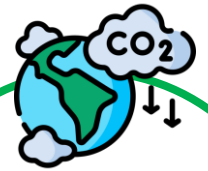
Enterprise Resource Planning (ERP) System

Dashboard

S1-S3 Annual Carbon cost

Manufacturing Execution System (MES)

Human Resource Management System (HRMS)



NetZero Management

PLM Product Life Circle Management

ESGP

Enterprise Sustainability Governance Platform

Energy Management System (EMS)

Features of ESGP

GHG Inventory

Boundary and emission factors paring to **avoid miscalculation**

Assuring data quality through uploading evidence and setting reasonable range check for **easy verification**

Produce reports up to disclosing requirements to **fulfill multiple purposes at once**

Boundary

Source management

Source identification

Calculation

Report and Inventory

GHG dashboard

Assign responsible personnel to specific boundaries to **assure clear labor division**

Incorporate GHGP to **keep up with the international needs**

Daily Activity Data Collection (Add-on)

Online data collection and auto-calculation of data activity to **realise dual transition**

1.1 Emergency generator | 1.4 Company car refrigerant | 1.4 AC、refrigerator (refrigerant) | 1.4 Fire extinguisher | 2.1 Purchased electricity | 3.3 Employee commuting | ...

Basic Information

Built-in open source emission factors, including EF of China, Vietnam and carbon footprint, etc.

M of Env basic information

GHG emission factors

GWP values

Account Authorization

Account authorization system with high-flexibility to **adapt to different business scales**

Unit management

Group management

Account permission management

Platform structure management

Product Features

Automate Carbon Inventory

Provide API through a heterogeneous system to interface with ERP, HR system, etc.

Reduce Data Errors

Smart data verification of reasonable activity data ranges based on historical inventory data

Avoid Duplication of Work

Inventory data can be reused for producing different reports and carbon footprint calculations

Adapt to Policy Changes

Green product designs that incorporate report and dashboard editors as well as expandable fields

Our Team

- Sustainability Manager：**3 ppls**
- **ISO 14064-1:2018** Lead Verifier：**4 ppls**
- **ISO 14067:2018** Internal Verifier：**3 ppls**
- **GHG Protocol Accounting Course**：**5 ppls**

哈瑪星科技股份有限公司
HAMA STAR TECHNOLOGY CO , . LTD.

ESGP Product

Corporate Carbon Footprint

Multinational GHG data collection that reflects costs instantly

System Implementation SOP

First year

Years onwards

Complete offline GHG inventory

1. Follow consultant's methodology
2. Simulate labor division
3. Identify production processes and equipment
4. Clarify emission sources
5. Organize emission factors' sources

A. Basic Data Input

1. Input business information
2. Create accounts

C. Activity Data Collection

1. Start a GHG inventory project
2. Input activity data

E. Dashboard Analysis

1. Track dashboard data
2. Export detailed data

B. GHG Inventory Basic Information

1. Edit basic information of GHG inventory
2. Boundary information maintenance
3. Emission sources and factors maintenance

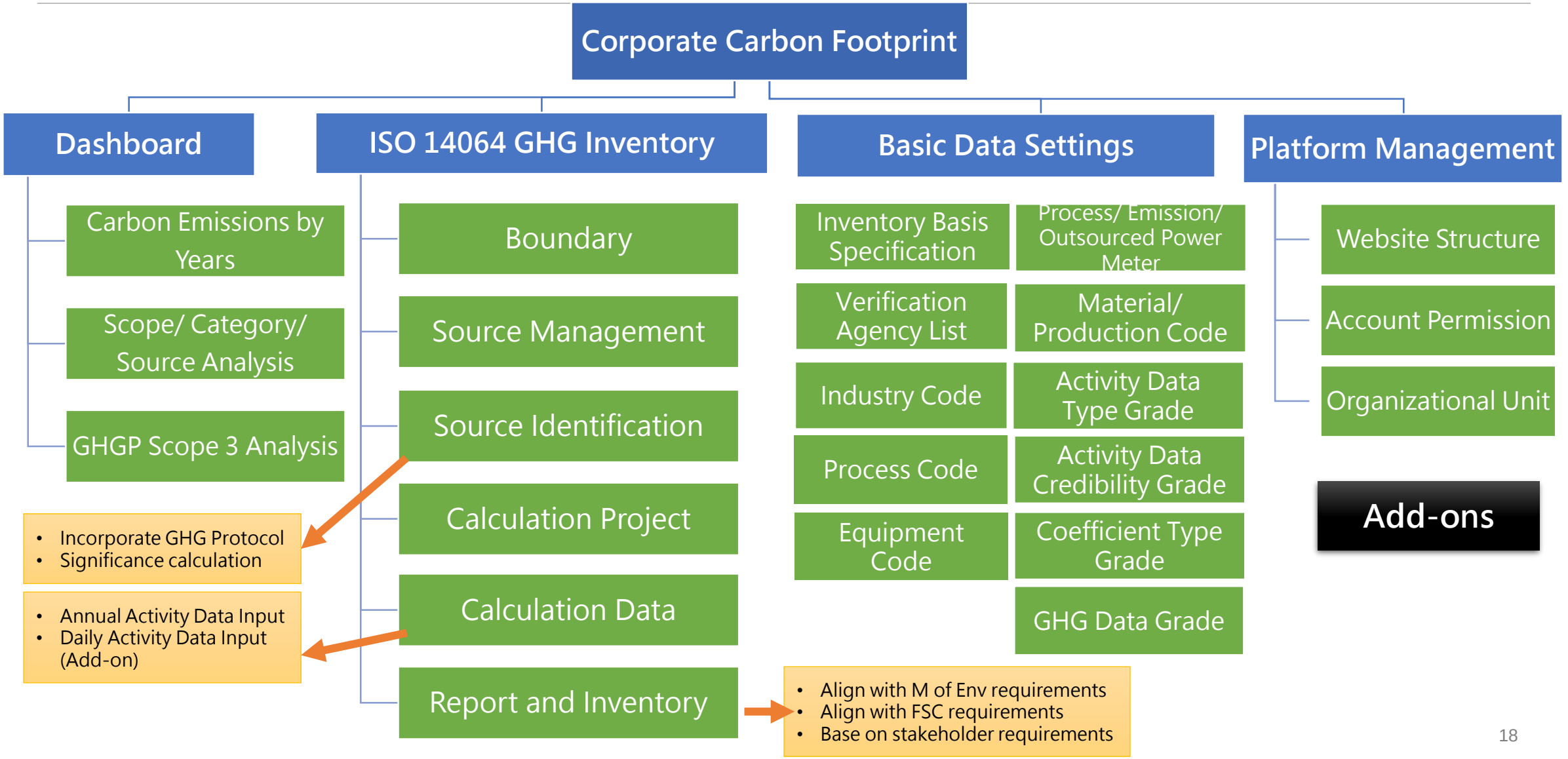
D. Report and Inventory Export

1. Select criteria to create a report
2. Online report editor
3. Export report and inventory

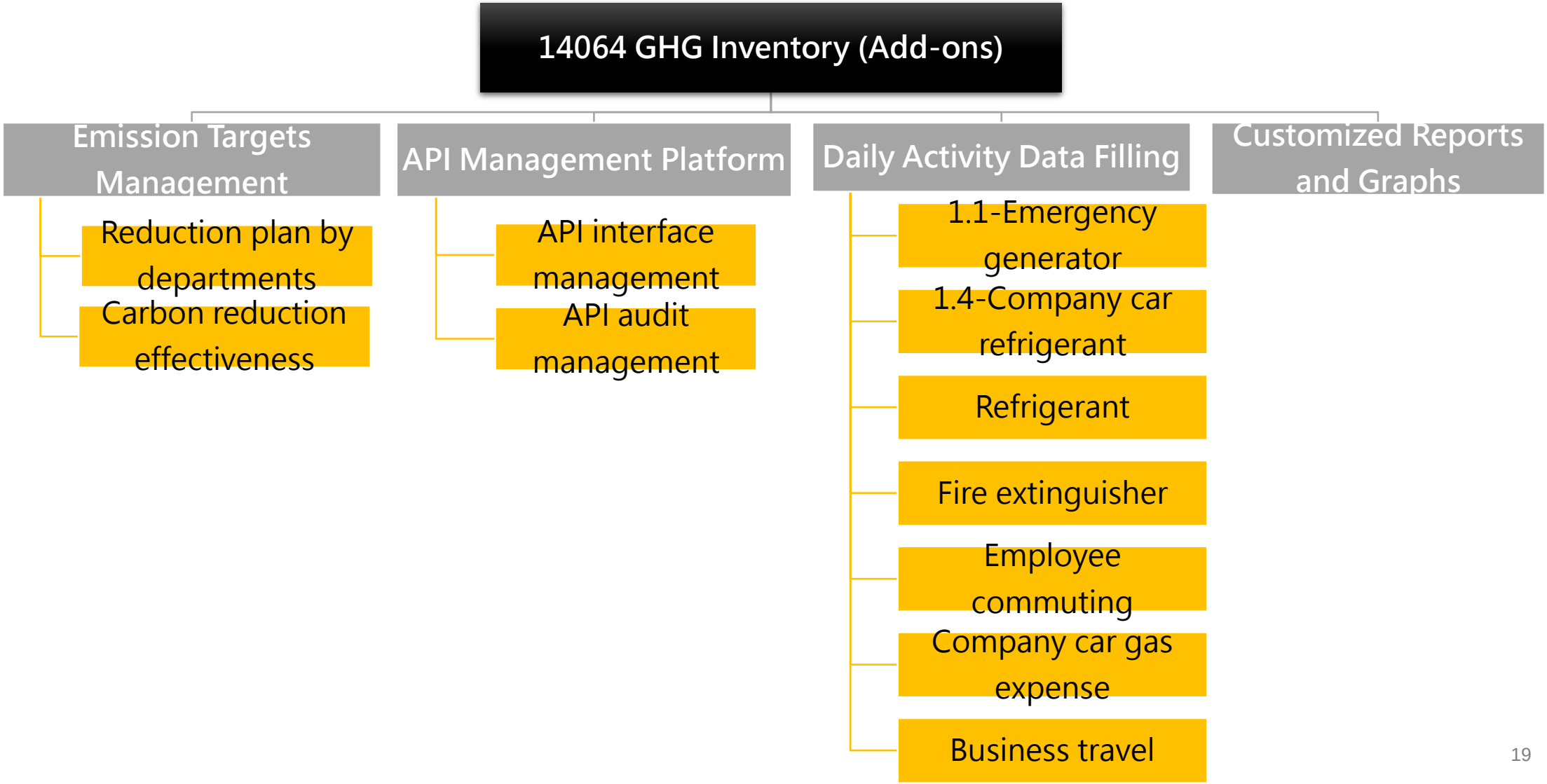
Annual Self-Service GHG Inventory Input

1. Update emission sources and factors
2. Collect activity data
3. Export report and inventory

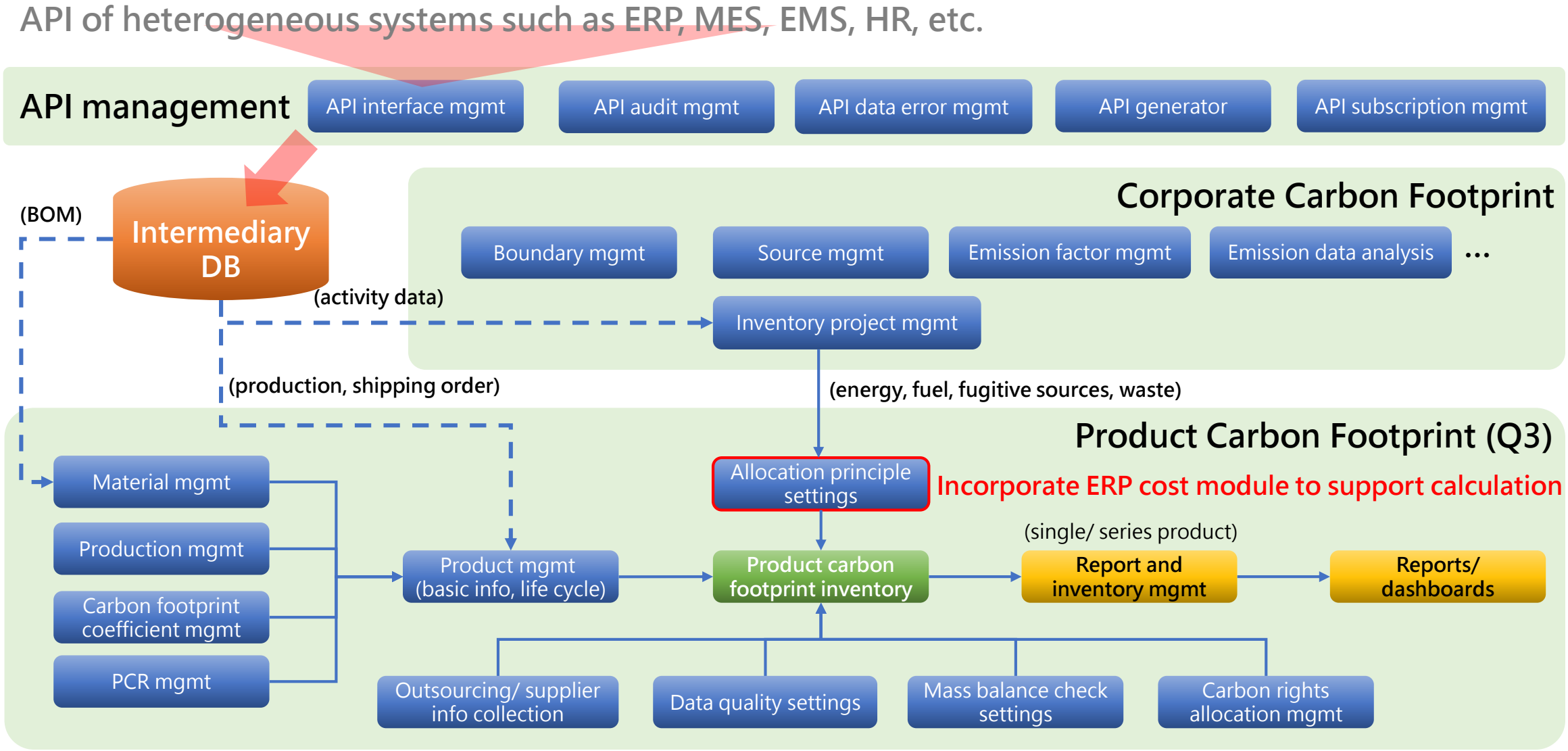
System Structure



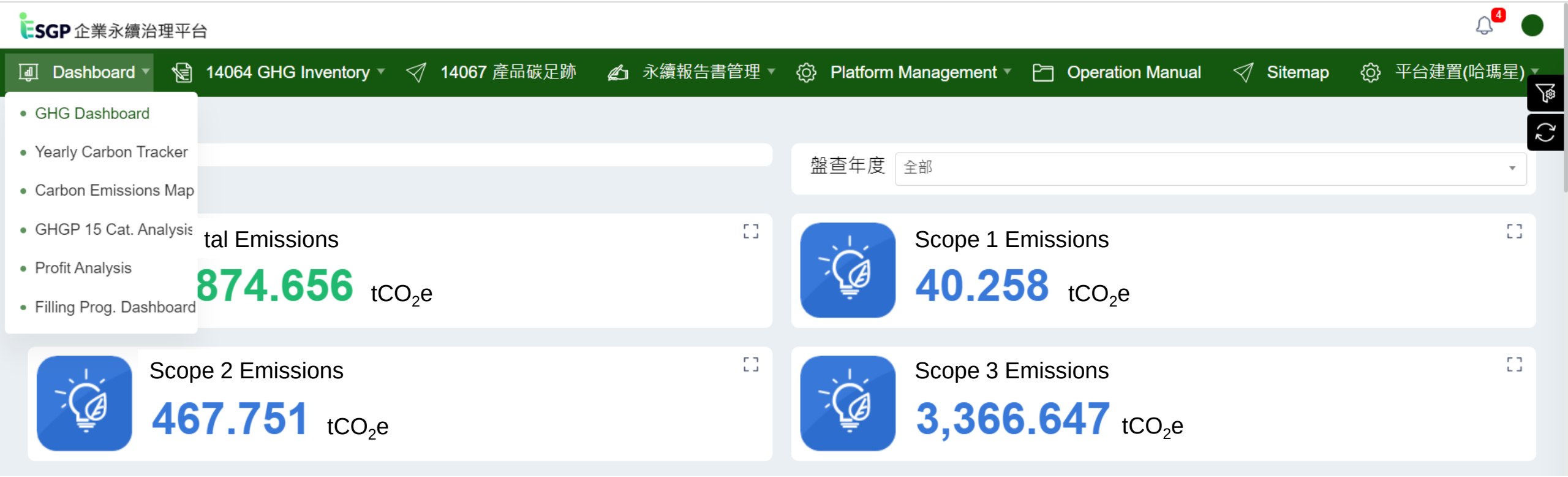
Add-on Systems



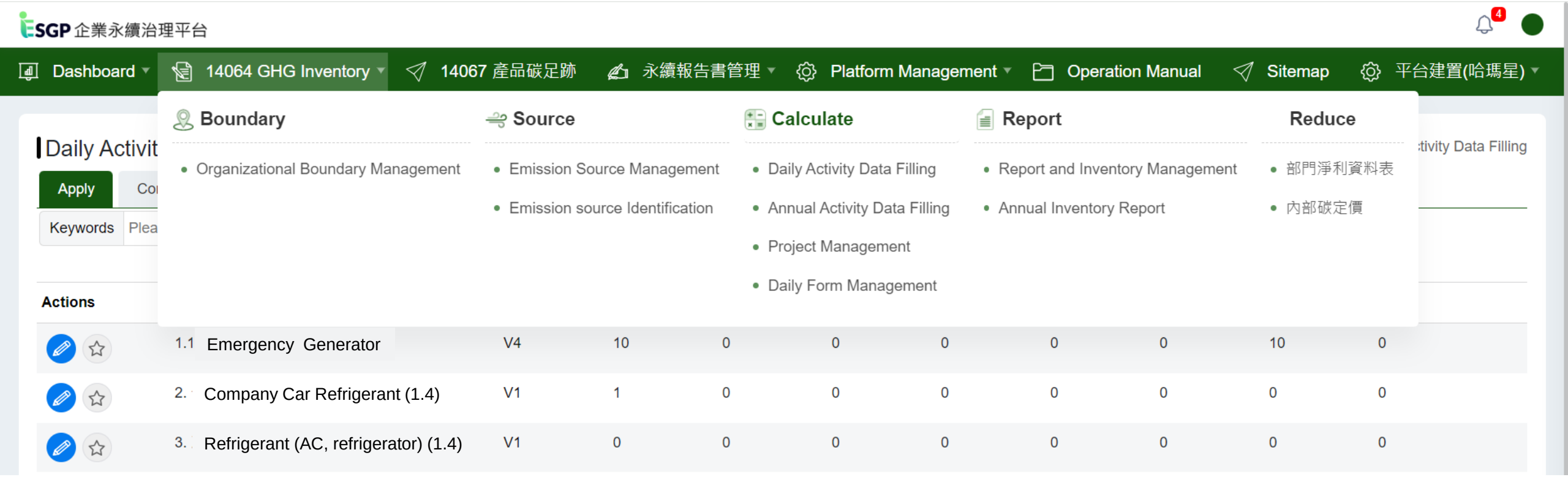
Heterogeneous System Data Interface



Dashboard


ESGP 企業永續治理平台
4
Dashboard
14064 GHG Inventory
14067 產品碳足跡
永續報告書管理
Platform Management
Operation Manual
Sitemap
平台建置(哈瑪星)
GHG Dashboard
Yearly Carbon Tracker
Carbon Emissions Map
GHGP 15 Cat. Analysis
Profit Analysis
Filling Prog. Dashboard
盤查年度
全部
tal Emissions
874.656 tCO2e
Scope 1 Emissions
40.258 tCO2e
Scope 2 Emissions
467.751 tCO2e
Scope 3 Emissions
3,366.647 tCO2e

ISO 14064 Corporate Carbon Footprint

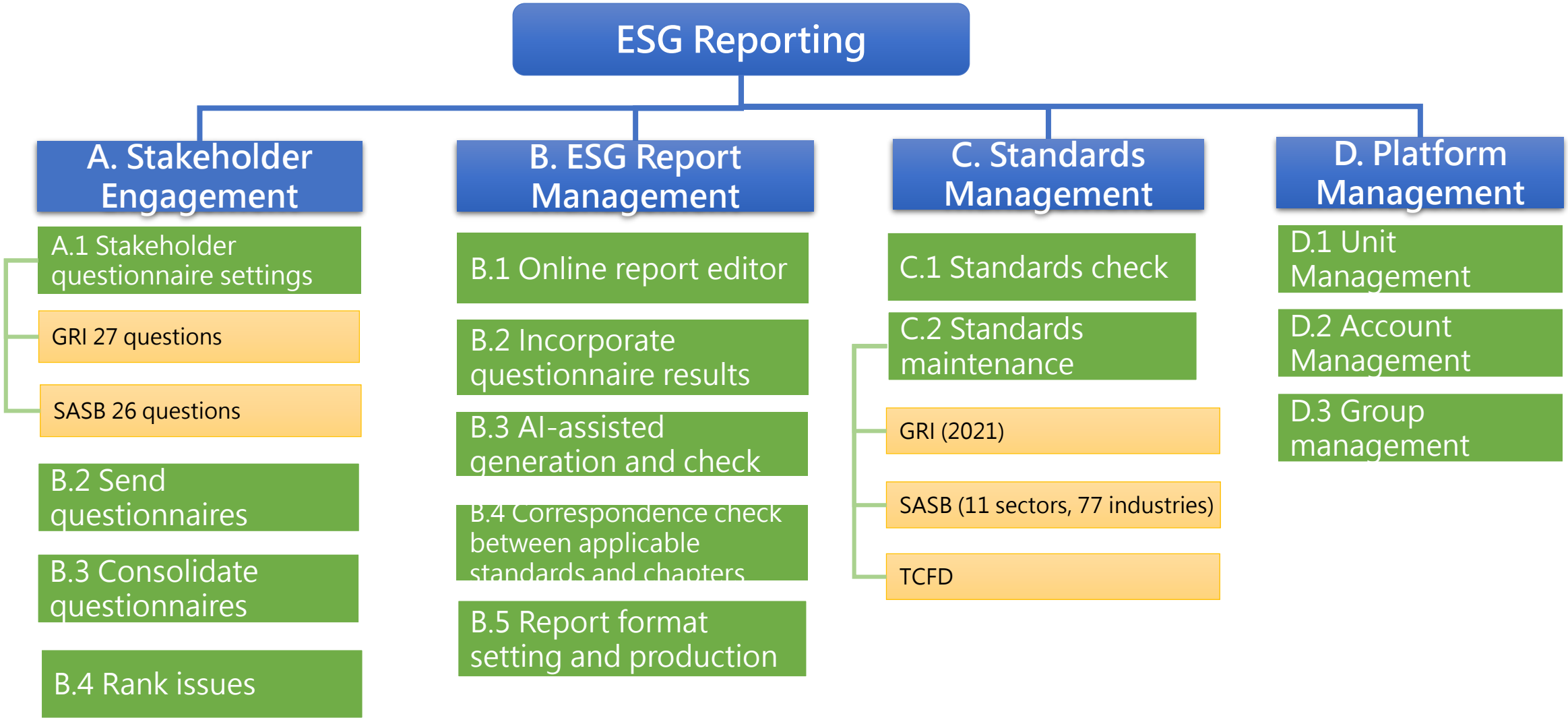


ESGP Product

ESG Reporting

Smart report compilation and flexible criteria correspondence

System Structure



ESGP Product

Product Carbon Footprint

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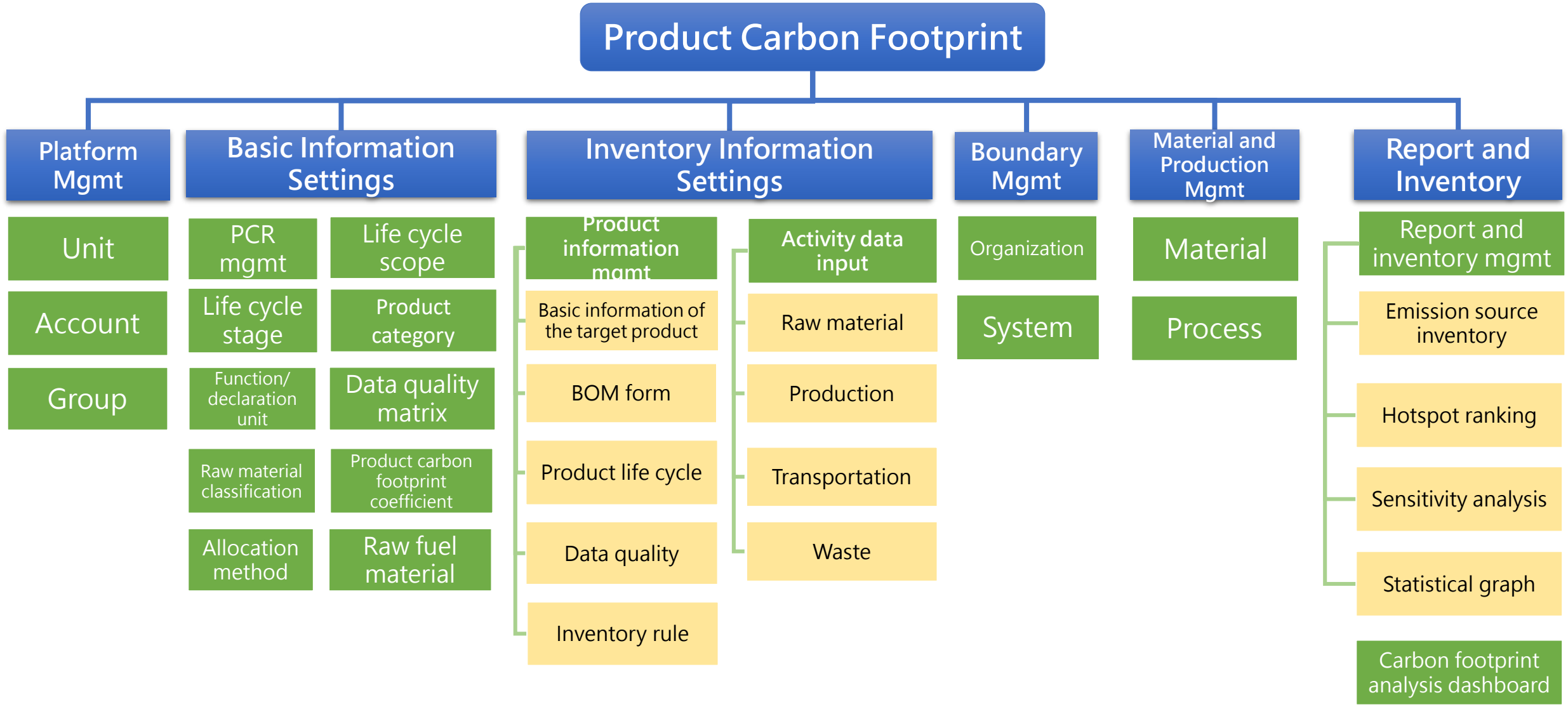
System Structure



THANK YOU!

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