

GREEN DRIVE

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Green Drive consists of 6 EndPoint:

- login into Ecosystem
- Register New Company
- Upload Company Fleet
- Retrieve Company Emission
- Retrieve Employee Emission
- Retrieve Replaceable Vehicles

1. Login

At very first step you need to login to ecosystem and get your authorization token.

1.1. Address

POST /api/getToken

1.2. HTTP headers

Name	Description
Content-Type	Must be <code>application/json</code>

1.3. Request Body

Name	Type	Required	Description
email	String	Yes	The field represents the user email.
password	String	Yes	The field represents user password.

1.4. Response fields

Name	Type	Description
token	String	This field is user token for accessing APIs.
result.status	Integer	Numeric code of the result.
result.message	String	A descriptive message for the result.


```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
{
  "result": {
    "title": "SUCCESS",
    "status": 0,
    "message": "success",
    "level": "INFO"
  },
  "companyCode": "1695198740040-7691",
  "name": "test-name"
}
```

2. Upload Company Fleet

This endpoint receives a valid csv file and after validation store them in database.

2.1. Address

POST /company/upload

2.2. Query parameters

Name	Description
<code>companyCode</code>	this code generates in previous step.

2.3. HTTP headers

Name	Description
<code>Authorization</code>	Auth access token issued to bearer
<code>Content-Type</code>	Must be <code>application/json;charset=UTF-8</code>

2.4. Request Body

Name	Type	Required	Description
<code>file</code>	<code>form-data(File)</code>	Yes	The file must be a valid csv.

2.5. Response fields


```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
{
  "result": {
    "title": "SUCCESS",
    "status": 0,
    "message": "success",
    "level": "INFO"
  },
  "vehicleAverageEmissions": [
    {
      "vehicleType": "DUMP_TRUCK",
      "averageEmission": 40000,
      "totalMileages": 300,
      "totalEmissions": 120000,
      "totalVehicles": 3
    },
    {
      "vehicleType": "AMBULANCE",
      "averageEmission": 22000,
      "totalMileages": 900,
      "totalEmissions": 198000,
      "totalVehicles": 9
    }
  ]
}
```

4. Employee Emission

Getting specific employee fleet emissions

4.1. Address

```
GET /vehicle/emissions/{employeeId}
```

4.2. Request path variable

Name	Type	Description
<code>employeeId</code>	<code>String</code>	The field represents employeeId.

4.3. Response fields


```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
{
  "result": {
    "title": "SUCCESS",
    "status": 0,
    "message": "success",
    "level": "INFO"
  },
  "vehicleEmissionsReports": [
    {
      "vehicleType": "DUMP_TRUCK",
      "averageEmission": 40000,
      "totalMileages": 300,
      "totalEmissions": 120000,
      "totalVehicles": 3
    },
    {
      "vehicleType": "AMBULANCE",
      "averageEmission": 22000,
      "totalMileages": 900,
      "totalEmissions": 198000,
      "totalVehicles": 9
    }
  ]
}
```

5. Vehicle Suggestion

This endpoint represents this vehicle that would be replaced with Electric Vehicles

5.1. Address

```
GET /vehicle/suggestion
```

5.2. HTTP headers

Name	Description
Authorization	Auth access token issued to bearer
Content-Type	Must be <code>application/json;charset=UTF-8</code>

5.3. Response fields

Name	Type	Description
vehicleCode	String	This field represents specific id.
employeeId	String	This field represents employeeId.
mileage	Long	This field represents vehicle mileage.
vehicleType	String	This field represents vehicle Type.
result.status	Integer	Numeric code of the result.
result.message	String	A descriptive message for the result.
result.level	String	result level.

6. HTTP response codes

NOTE

We use conventional HTTP response codes to indicate the success or failure of an API request.

- HTTP code 200 indicates success.
- HTTP code 400 indicates invalid params.
- HTTP code 401 and 403 indicates unauthenticated user and unauthorized access respectively.
- HTTP code 422 (Unprocessable Entity) indicates business errors.
- HTTP code 500 indicates internal errors.

7. Version history

Version	Date	Author	Description
1.0	09/20/2023	Mehdi Qanbarzade	