



GEBZE – İZMİR OTOYOLU
İŞLETME VE BAKIM A.Ş.

ESG C&O

Report structure for O&M companies: GİIB – 25.08.2023

Rev 01-12.10.2023-

Rev 02-07.06.2024-

Rev 03-27.09.2024,

Rev 04-03.06.2025

HAYAL ET
YARATICI OL
BAŞAR

sürdürülebilir bir gelecek

AIM OF THE O&M ESG REPORT

As part of our Impact The Future strategy, this document aims to have a first assessment of the environmental and social practices of the road O&M companies.

The following slides present the main environmental and social challenges linked to road O&M activities. The answers to the questions will help us to understand how do you deal with them at your level in your specific context.

Please provide as much elements as you can with figures, pictures... All these materials will help us to highlight (internally and externally) the best practices.

If existing, we are also interested to receive the documents related to your ISO 140001 certification (notably your environmental management and/or action plan).

To support this work and enable a continuous improvement, the group will now ask for an ESG report every year detailing the actions carried out over the year.

CONTENTS

GIIB IN THE O&M SERVICE LINE

ENVIRONMENT

- 1 CLIMATE CHANGE
- 2 WASTE & POLLUTIONS
- 3 WATER & RESOURCES
- 4 BIODIVERSITY

SOCIAL

- 1 EMPLOYEES
- 2 USERS
- 3 COMMUNITY
- 4 PARTNERS & SUPPLIERS



1 CLIMATE CHANGE

1.1 MITIGATION

REDUCE YOUR OWN GHG EMISSIONS

- MANAGEMENT
 - Do you have an energy management system (even if not ISO 50001 certified)?
 - ISO 50001 is not certified yet. However certification contract was signed with QSI and we are going to be certified in 2025.
 - 100% green electricity purchase.
 - Scope 1-2-3 GHG emissions are going to be measured yearly starting since 2022.
 - Scope 1-2 GHG emissions are going to be reduced 4% each year.
 - ISO 14064 carbon footprint and ISO 14046 water footprint is certified in 2022, 2023 and 2024.

Indicators

- tCO2e
- kWh purchased/consumed
- Number of vehicles (per type)
- Fuel purchased/consumed
- Travelled distance



QUALITY MANAGEMENT



CERTIFICATES

bsi.

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

GEBZE İZMİR OTOYOLU İŞLETME VE
BAKIM ANONİM ŞİRKETİ



bsi.

Certificate of Registration

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM - ISO 45001:2018

This is to certify that:

GEBZE İZMİR OTOYOLU İŞLETME VE
BAKIM ANONİM ŞİRKETİ



bsi.

Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

GEBZE İZMİR OTOYOLU İŞLETME VE
BAKIM ANONİM ŞİRKETİ



NEXT UP



Greenhouse Gas Verification Statement
Sera Gazı Doğrulama Beyanı

GEBZE İZMİR OTOYOLU İŞLETME VE BAKIM A.Ş.

Organizational Boundaries / Organizasyonel Sınırlar
Gebze İzmir Otoyolu: 409 km ana gövde, 33 km bağlantı yolu, 61 km kavşak kolları dahil 503 km Otoyol, Tünel, Asma Köprü İşletme ve Bakım Hizmetleri

The Greenhouse Gas emissions inventory has been verified to meet the standard requirements specified below according to ISO 14064-3:2019 / Sera Gazı emisyonları envanterinin, ISO 14064-3:2019'a göre aşağıda belirtilen standart gerekliliklerini karşıladığı doğrulanmıştır.

ISO 14064-1:2018

Category 1- Direct emissions / Doğrudan emisyonlar	2,312,55 t CO ₂ eq
Category 2- Location based purchased energy emissions / Lokasyon bazlı satın alınan enerji emisyonları	8,211,22 t CO ₂ eq
Category 3- Emissions from transportation / Taahhüt kaynağı emisyonları	1,109,07 t CO ₂ eq
Category 4- Emissions from products, service used / Kullanılan ürün - Hizmet kaynaklı emisyonlar	1,294,26 t CO ₂ eq
Category 5- Emissions from associated with the use of the product / Ürün kullanımı kaynaklı em.	- t CO ₂ eq
Category 6- Other Emissions / Diğer emisyonlar	665,84 t CO ₂ eq
Total Location Based Emissions / Toplam Lokasyon Bazlı Emisyonlar	13,593,55 t CO₂ eq
Total Market Based Emissions / Toplam Pazar Bazlı Emisyonlar	5,418,47 t CO₂ eq

Biogenic Emissions / Biyogenik Emisyonlar : - t CO₂ eq

Category 2- Location based purchased energy emissions / Lokasyon bazlı satın alınan enerji emisyonları
Amount of renewable energy purchased / Satın alınan yenilenebilir enerji miktarı : 18,495,640,01 Kwh
Purchased renewable energy emission allowance / Satın alınan yenilenebilir enerji emisyon karşılığı : 8,175,07 t CO₂ eq
Category 2- Market based purchased energy emissions / Pazar bazlı satın alınan enerji em.
Renewable energy references / Yenilenebilir enerji referansları : 36,15 t CO₂ eq

January 2024 - December 2024 YEK-G Document No/ Ocak 2024 - Aralık 2024 YEK-G belge No: 240200135013-240200135025, 240500080922-240500092220, 240601513696-240601521511, 240702199754-240702201388, 240300141636-240300145932, 240401056431-240401059952

Level of Assurance : Reasonable / Makul Verification Report Date : 03.04.2025
Reporting Period : 01.01.2024 - 31.12.2024 Statement No : SG-GNL-061 / 2024

Approved by / Onaylayan
Okay Kayhanlı - Genel Müdür

QSI Belgelendirme, Muayene ve Test Hizmetleri Ltd. Şti.
Büyükdere Mah. 5397 Sokak, Mire Ofis B1 Blok D:2, Çankaya - Ankara
Tel : +90 312 472 60 67 Faks : +90 312 472 60 68
E-mail: info@qsi.com.tr Web: www.qsi.com.tr

Water Footprint Verification Statement
Su Ayakizi Doğrulama Beyanı

GEBZE İZMİR OTOYOLU İŞLETME VE BAKIM A.Ş.

Organizational Boundaries / Organizasyonel Sınırlar
Gebze İzmir Otoyolu: 409 km ana gövde, 33 km bağlantı yolu, 61 km kavşak kolları dahil 503 km Otoyol, Tünel, Asma Köprü İşletme ve Bakım Hizmetleri Osmangazi/Bursa

The Water Footprint report has been verified to meet the standard requirements specified below according to ISO 17029:2019 / Su Ayakizi Raporunun, ISO 17029:2019'a göre aşağıda belirtilen standart gerekliliklerini karşıladığı doğrulanmıştır.

ISO 14046:2014

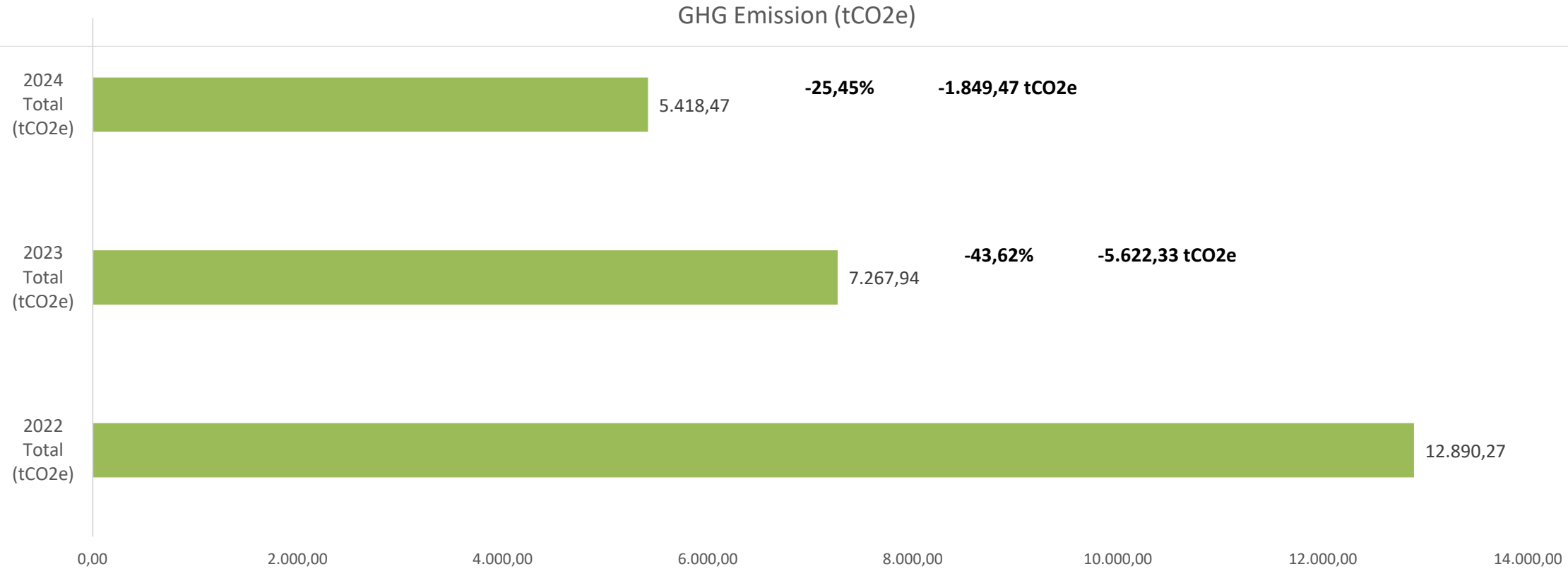
Blue Water Footprint / Mavi Su Ayakizi	30,520,32 m ³
Gray Water Footprint / Gri Su Ayakizi	14,040,26 m ³
Green Water Footprint / Yeşil Su Ayakizi	295,00 m ³

Level of Assurance : Reasonable / Makul Verification Report Date : 04.04.2025
Güven Seviyesi : 01.01.2024 - 31.12.2024 Doğrulama Rapor Tarihi :
Reporting Period : 01.01.2024 - 31.12.2024 Statement No : WP-GNL-061 / 2024
Raporlama Dönemi : 01.01.2024 - 31.12.2024

Onaylayan
Okay Kayhanlı - Genel Müdür

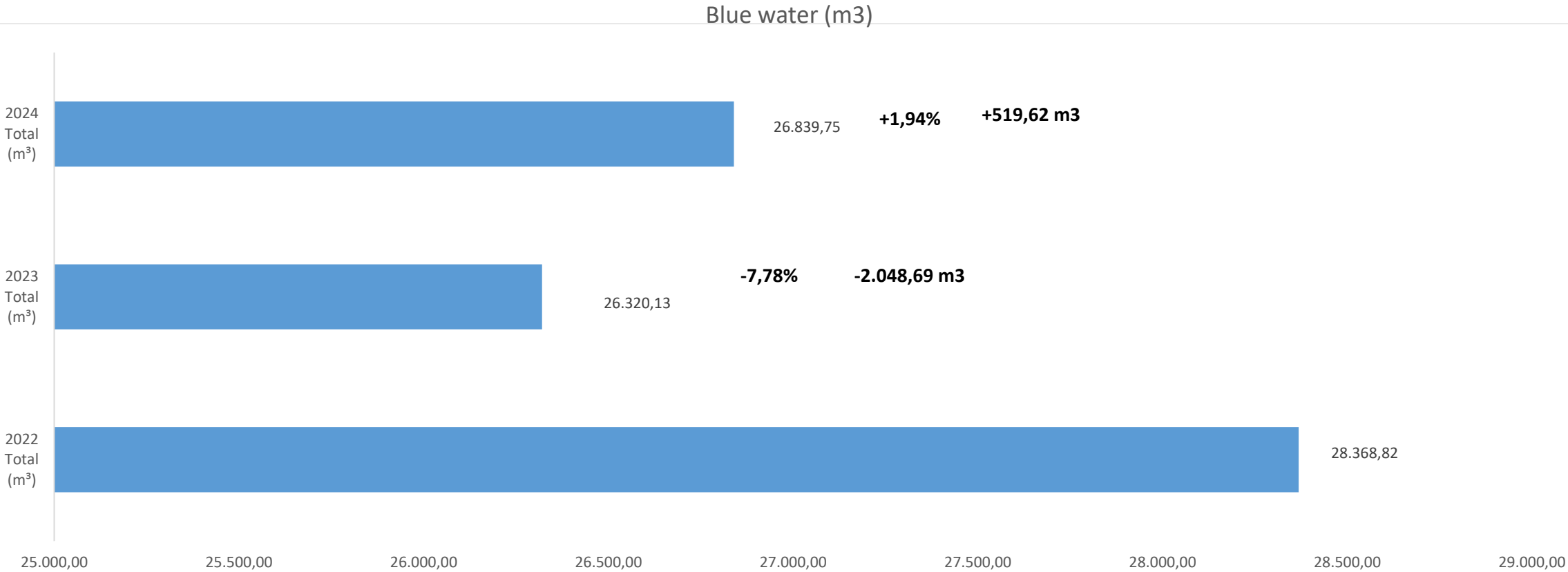
QSI Belgelendirme, Muayene ve Test Hizmetleri Ltd. Şti.
Büyükdere Mah. 5397 Sokak, Mire Ofis B1 Blok D:2, Çankaya - Ankara
Tel : +90 312 472 60 67 Faks : +90 312 472 60 68
E-mail: info@qsi.com.tr Web: www.qsi.com.tr

CARBON FOOTPRINT



- Scope 1-2-3 GHG emissions have been measured annually since 2022 and ISO 14064 carbon footprint was verified and certified in 2022, 2023 and 2024.
- Comparison of monthly average values of greenhouse gas emissions according to years;
 - 2023 -43,62% ↓
 - 2024 -25,45% ↓

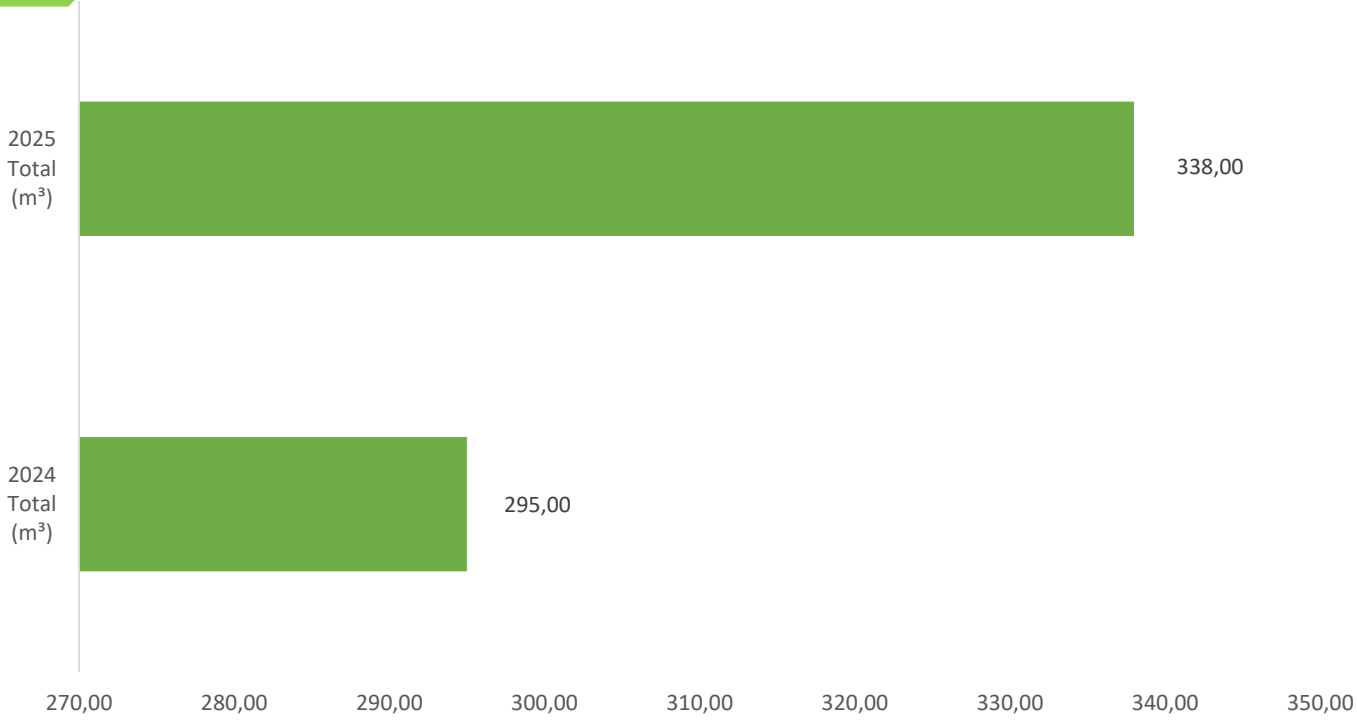
WATER FOOTPRINT



- Water consumption have been measured annually since 2022 and and ISO 14046 water footprint was verified and certified in 2022, 2023 and 2024.
- Comparison of annual blue water;
 - 2023 -7,78% ↓
 - 2024 +1,94% ↑

WATER FOOTPRINT

Green water (m3)



Rainwater tanks



Collecting rainwater (Green water) from building roofs started in March 2024 and rainwater is used in brine production, car washing, etc.

In 2024;

- **295 m³** rainwater was used (O&M Centers)
- Rainwater tank capacity is **134 m³** (O&M Centers)

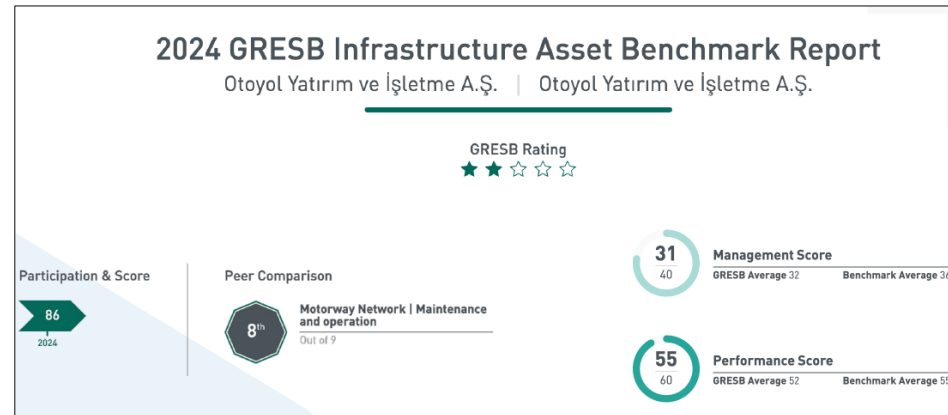
GRESB (Global Real Estate Sustainability Benchmark)

GRESB (Global Real Estate Sustainability Benchmark) is an independent organization providing validated ESG performance data and peer benchmarks for investors and managers.



GRESB process for GİİB;

- ✓ Necessary information and application was completed on June 24,
- ✓ The entry of information into the portal completed on July 1.
- ✓ The final results of the evaluation were launched on October 1 «86 points».



GRESB score in 2024

1 CLIMATE CHANGE

1.1 MITIGATION

REDUCE YOUR OWN GHG EMISSIONS

- **VEHICLES**

- Are patrollers trained to eco-driving?

If yes, could you develop? (type of training, number of sessions/people trained...)

- Yes, we monitor the behavior of employees regarding eco-driving to speed limit is followed, not start the vehicle at idle, decrease number of patrolling route.
 - What are your actions to optimize km driven?
 - The management set limit to km driven of LCV Vans in order to decrease consumptions, optimization of patrol tour.
 - Do you plan to change the vehicles to « low carbon » alternatives? If yes, could you develop?
 - We are replacing our old vehicles (Euro 4) which has high maintenance costs and high diesel consumptions with vehicles with new Euro 6 D engines. At 2023 we replaced 14 vehicles and at 2024 we we replaced 28 vehicles (4 patrol vans, 1 technical van with EV, 21 technical light commercial vans, 2 maintenance vehicles

1 CLIMATE CHANGE

1.1 MITIGATION

REDUCE YOUR OWN GHG EMISSIONS

• BUILDINGS

- Do you have actions to reduce energy consumption?
 - Yes, 21% electric consumption of the buildings. Common area air conditioners (WC, corridor, archive room, etc.) were turned off and other air conditioners are set to 22 degrees for summer and 24 degrees for winter. In addition, air conditioners in automatic toll booths are completely turned off in winter.
 - To prevent unnecessary use of electricity, we printed special labels and affixed them to the required areas (Office, common areas, etc.).
 - Trees planted around the buildings at O&M centers for shadow and to cool down the buildings.
 - White painted roofs and curtains at O&M centers to prevent energy loss.
 - Posters regarding energy saving in O&M centers.
 - Motion detection sensors were installed in common areas.
 - A part of the hot water requirement is provided by solar panels.
 - Perimeter lighting in O&M Centers was converted to LED.



Indicators

- tCO2e
- kWh purchased/consumed
- Lt fuel from genset

1

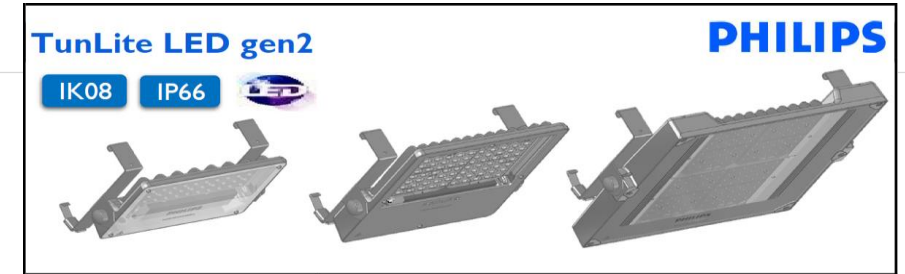
CLIMATE CHANGE

1.1 MITIGATION

REDUCE YOUR OWN GHG EMISSIONS

• LIGHTING

- Do you systematically use LEDs when you replace lighting?
 - Yes, halogen luminaires replaced with LEDs in tunnels. However in October 2023 first replacement in Selçukgazi Tunnel.
- Do you have adjustment tools associated? (dimmable, sensors, timers...)
 - Yes, halogen luminaires in the tunnels are dimmable. All lighting at motorway interchanges is switched on and off by timers and light sensors.
- What is your plan to reduce consumption of lighting?
 - Lightning on the motorway electricity consumption reduced %40, O&M centers electricity consumption reduced % 50-60 and lightning in the interchanges reduced %50. Regular control and monitoring of consumption of lighting.



1 CLIMATE CHANGE

1.1 MITIGATION

REDUCE YOUR OWN GHG EMISSIONS

LIGHTING

Regarding the possible transition to LEDs for the 2 remaining tunnels, please send us the work you had done measuring the costs and benefits?

Selçukgazi Tunnel LED transition cost;

- LED lightning,
- Dimming module + cable,
- LED Armature Installation,

Total Cost: 425.000 (€

- Selçukgazi Tunnel LED transition started on October 9th and will be completed on October 29th.
- Selçukgazi Tunnel electricity consumption save an average of 50 % monthly electricity.
- Studies on the cost and technical details for the LED transition of Orhangazi, Belkahve Tunnels (other 2 tunnels) and Osmangazi Bridge lighting have started, and the cost study will be completed by 31st October.
- Orhangazi and Belkahve Tunnels Cost : under study (save an average of 50 % monthly electricity)
- Project planning and cost studies have started for the LED transition of perimeter lighting in Osmangazi (Suspension) Bridge and Toll Plazas areas.



Selçukgazi Tunnel LED Transition

1 CLIMATE CHANGE

1.1 MITIGATION

REDUCE YOUR OWN GHG EMISSIONS

• RENEWABLE ENERGY

- Do you purchase green electricity? If yes, precise how and send us documentation (supplier, energy certificates, PPA)
 - Yes, we purchase green electricity through hydropower station.
 - In 2024 19964 MWh consumption of electricity.
 - Our green electricity was certified (January – June 2024)
- Could you give details if you have on-site production or on-going project? (kWp installed, production, self-consumption, partners, financing...)
 - Currently, we don't have any work for on-site production.

Indicators

- tCO₂e
- kWh consumption electricity
- Fuel purchased/consumed (for genset)



Yararlanıcı Taraf Adı / Beneficiary Name
OTOYOL YATIRIM VE İŞLETME A.Ş.

Organizasyon Adı / Organization Name
ENOVA ELEKTRİK ENERJİSİ TOPTAN SATIŞ A.Ş.

Tüketim Miktarı / Consumption Amount
19964 MWh

Tüketim Dönemi / Consumption Period
Ocak 2024 - Aralık 2024 / January 2024 - December 2024

Adres / Address
Çankaya / ANKARA

Bu iftâ bildirimi, Ocak 2024 - Aralık 2024 tüketim dönemindeki 19964 MWh'lık elektrik tüketiminin yenilenebilir enerji kaynaklarından üretildiğini teyit etmektedir.

This Cancellation Statement confirms that 19964 MWh of electricity consumption in the January 2024 - December 2024 consumption period was generated from renewable energy sources.

İş bu iftâ belgesi, ilgili YEK-G belgelerinin Piyasa İşletmecisi olan EİİAŞ tarafından iftâ edildiğini tasdik etmektedir. İftâ belgesinde yer alan YEK-G belgelerine ilişkin yenilenebilir enerjinin çevresel nitelikleri yararlanıcı tarafından ilgili tüketim döneminde tüketilmiştir. İftâ belgesinde yer alan YEK-G belgeleri devredilemez ve süre konusu YEK-G belgelerinin başka bir tedarikçiye veya son tüketiciye iftâsı mümkün değildir. Bu iftâ belgesinin kopyalanması, değiştirilmesi ve tedarik edilmek üzere satılması yasaktır.

This cancellation statement document confirms that YEK-G documents subjected to the cancellation statement have been cancelled by EİİAŞ, the Market Operator. The environmental qualities of the associated renewable energy included in the cancellation statement document have been consumed by the beneficiary party in the relevant consumption period. YEK-G documents included in the cancellation statement are not transferable and the cancellation of the relevant YEK-G documents to another supplier and/or end consumer is prohibited. Any later sale or cancellation of this cancellation statement is forbidden. It is forbidden to copy or amend this cancellation statement as well.

EİİAŞ

Renewable Energy Source Certificate (January 2024 – December 2024)

1 CLIMATE CHANGE

1.2 ADAPTATION TO CLIMATE CHANGE

STRENGTHEN RESILIENCE

ASSESSMENT

- Which kind of natural hazards have affected your site recently (flood, drought, fire...)? What were the detailed impacts for the company (safety, economic...)?
 - The west and south of Turkey are affected by fires and earthquakes but there was no direct impact for the company. However, as Marmara (Istanbul) and Izmir earthquakes are expected in the near future, an Earthquake Emergency Action Plan (QSE-PR-26) has been prepared to mitigate the impact on operations. In addition, since we have fire fighting equipment at certain points against the risk of fire, we can support fires that break out close to our motorway, for example in between Savastepe - Balıkesir.
- Did you (or the SPV) already realize a climate risk vulnerability assessment regarding the future climatic conditions? Would you be interested in?
 - Yes, Climate risk vulnerability assessment regarding the future climatic conditions might be suggested to the SPV.



1 CLIMATE CHANGE

1.2 ADAPTATION TO CLIMATE CHANGE

STRENGTHEN RESILIENCE

• RESILIENCE ACTION PLAN

- Have you implemented a resilience action plan (including preventive actions, protection actions &/or response actions)?
 - Yes, Earthquake Emergency Action Plan (QSE-PR-26) is prepared including preventive, protection &/or response actions. It can be provided this document.
 - Emergency Action Procedure including Tunnels, Osmangazi (Suspension) Bridge. (QSE-PR-15)
 - Monitoring Tunnels and Bridge by SCADA Systems.



The image displays four pages of emergency action plans from GEBZE - İZMİR OTYOLU İŞLETME VE BAKIM. The top-left page is the "ACİL DURUM EYLEM PLANI PROSEDÜRÜ" (Emergency Action Plan Procedure) with document number QSE-PR-15_00-22.03.21. The top-right page is the "ACİL DURUM EYLEM PLANI PROSEDÜRÜ" (Emergency Action Plan Procedure) with document number QSE-PR-15_00-22.03.21. The bottom-left page is the "DEPREM ACİL DURUM EYLEM PLANI" (Earthquake Emergency Action Plan) with document number QSE-PR-26. The bottom-right page is the "İÇİNDEKİLER" (Table of Contents) for the Earthquake Emergency Action Plan.

2 WASTE & POLLUTION

2.1 WASTE MANAGEMENT

REDUCTION

• PRODUCTION

- Do you quantify separately the waste:
 - Produced at the O&M centre
 - Yes, quantify waste production by origin at O&M centres.

Hazardous solid waste

- Waste filter
- Waste oil filter
- Waste battery, fluorescent, cartridge
- Contaminated waste
- Contaminated waste after environmental accident on motorway

Hazardous liquid waste

- Waste oil
- Oily water from oil/water separators
- Waste antifreeze

Non-hazardous solid waste

- End-of-life tire

Recyclable solid waste

- Waste paper
- Waste metal
- Waste glass
- Waste collected along the road
- Waste cable
- Waste electrical and electronic equipment

Medical waste

Domestic waste

- Leftovers from the kitchen
- Waste from personal trash cans in the offices
- Personal protective equipment waste

Waste water

- Domestic waste water
- Treatment plant waste water

- Collected on rest areas – (N/A)

Indicators

- Kg/t/l of waste collected (Type: hazardous/non-hazardous)
- Kg/t/l of waste recycled (Paper, plastic, glass, oil, waste water)
- T of composted waste
- Use of chemical products



Quantify waste production by origin in O&M centers

2 WASTE & POLLUTION

2.1 WASTE MANAGEMENT

REDUCTION



Indicators

- Kg/t/l of waste collected (Type: hazardous/non-hazardous)
- Kg/t/l of waste recycled (Paper, plastic, glass, oil, waste water)
- T of composted waste
- Use of chemical products



2

WASTE & POLLUTION

2.1 WASTE MANAGEMENT

REDUCTION

• PRODUCTION

- Do you quantify separately the waste:
 - Collected along the road?
 - Yes, the recyclable and non- recyclable waste along the road is collected at O&M centers and sent through licenced recycle companies for recycle and dispose.

Indicators

- Kg/t/l of waste collected (Type: hazardous/non-hazardous)
- Kg/t/l of waste recycled (Paper, plastic, glass, oil)



Quantify waste production by origin on collected along the road

2

WASTE & POLLUTION

2.1 WASTE MANAGEMENT

REDUCTION

• PRODUCTION

Have you an assessment of the different types of waste you find on field and the ones in highest quantity ?

- Yes, plastic bottles filled with urine, bags with garbage, other non-recyclable waste, etc.
- It is operationally very difficult to separate waste at the source from collection along the road, after the waste is stored sent through licenced recycle companies for recycle and dispose (Most of the waste collected from the road is disposed of as it is non-recyclable waste)

Which waste are the most difficult for you to manage?

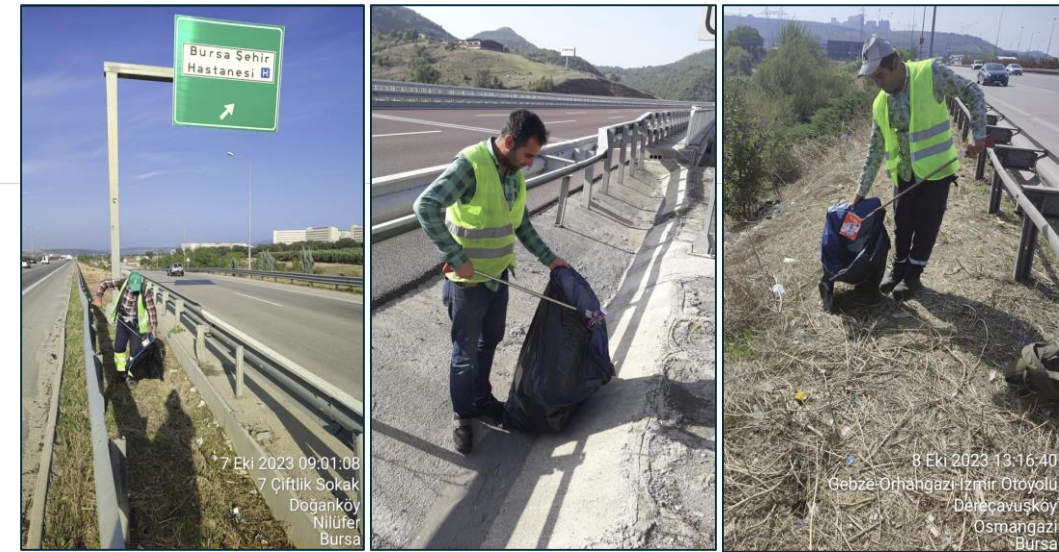
- Waste collected along the road are the most difficult to categorize.

Do you need support on this topic?

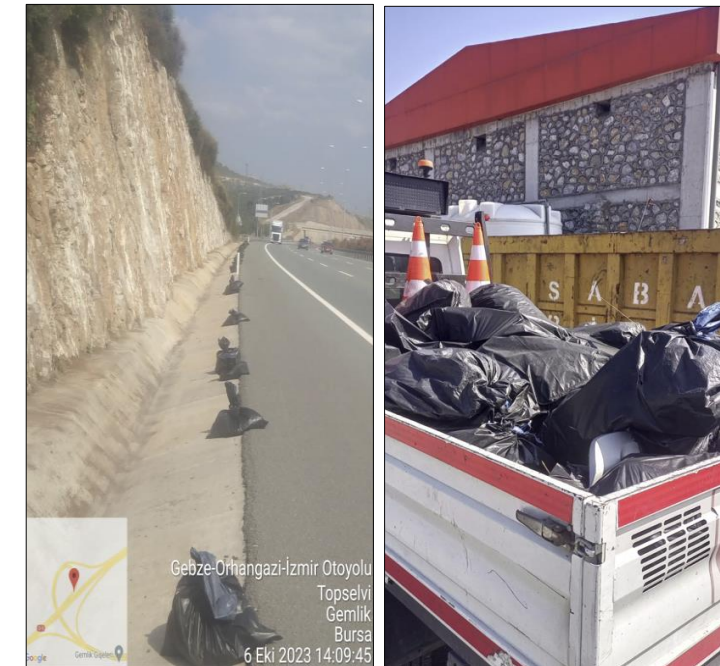
- Yes, support is needed. If there is an example application regarding this, your support should be useful/helpful for us.

Indicators

- Kg/t/l of waste collected (Type: hazardous/non-hazardous)



Quantify waste production by origin on collected along the road



Waste bag collected along the road and storage O&M center

2 WASTE & POLLUTION

2.1 WASTE MANAGEMENT

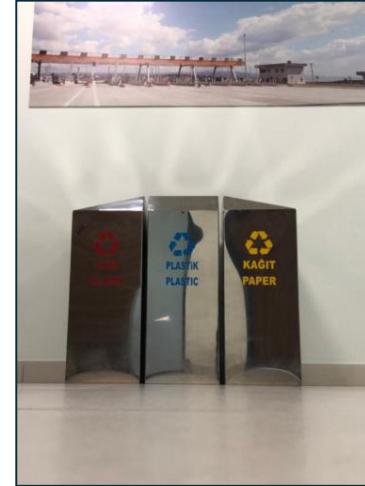
REDUCTION

• PRODUCTION

- Could you explain your waste management plan?
 - Yes, waste is separated by origin and collected temporarily in restricted areas and sent to licenced recycle companies.
- What are your actions to reduce waste production and improve sorting?
 - Plastic reduction plan : paper packaging in supplier contracts, water fountain, cardboard glass replaced by glass.
 - Reduce paper consumption in offices, print two-sided and recycle paper.
 - Digital transmission of personnel payrolls to the employee by KEP (registered e-mail), publishing management systems documentation digitally with M-files program for use of paper reduction.

Indicators

- Kg/t/l of waste collected (Type: hazardous/non-hazardous)
- Kg/t/l of waste recycled (Paper, plastic, glass, oil)
- T of composted waste
- Use of chemical products



Quantify waste production by origin in O&M centers, toll plazas, collected along the road

2 WASTE & POLLUTION

2.1 WASTE MANAGEMENT

REDUCTION

• AWARENESS

- Do you have actions raising awareness on waste reduction for employees &/or road users?
 - Yes, regarding waste reduction employees are informed during induction and periodical trainings. One point lessons are given if necessary. Waste management trainings are supported with posters at O&M centres, toll plazas.
 - ISO 14064 carbon footprint and ISO 14046 water footprint training (2 day x 8 hour x17 trainier=256 hour for ISO 14064, 1 day x 8 hour x15 trainier=120 hour for ISO 14046).
 - ISO 14064 carbon footprint and ISO 14046 water footprint are going to be verified and certified in 2023 ,2024.
 - All actions about waste management are followed at Health and Safety committee every month.



	Indicators
•	Kg/t/l of waste collected (Type: hazardous/non-hazardous)
•	Kg/t/l of waste recycled (Paper, plastic, glass, oil)
•	T of composted waste
•	Use of chemical products
•	Training hours

2

WASTE & POLLUTION

2.1 WASTE MANAGEMENT

SUITABLE MANAGEMENT

TREATMENT

- How do you sort/categorize the different types of waste?
 - 3 types of waste; hazardous (liquid waste, solid waste, medical waste), non-hazardous (recyclable waste, domestic waste, waste collected along the road), waste water.

2023;

- Plastic (55 kg), glass (575 kg), metal (165.252 kg), paper (580 kg) waste was recycled .
- Hazardous (3350 kg) waste was disposed .

2024;

- Plastic (540,86 kg), glass (3839,9 kg), metal (225617 kg), paper 3949,22 kg) waste was recycled .
- Hazardous (9431 kg) waste was disposed .

- Which waste are the most difficult for you to manage?
 - Waste collected along the road are the most difficult to categorize.
- Do you need support on this topic?
 - Yes, support is needed. Waste collected along the road is sent through licenced companies for recycle /dispose.

Indicators

- Kg/t/l of waste collected (Type: hazardous/non-hazardous)
- Kg/t/l of waste recycled (Paper, plastic, glass, oil, waste water)
- Kg/t/l of hazardous waste disposed



2

WASTE & POLLUTION

2.1 WASTE MANAGEMENT

SUITABLE MANAGEMENT

- **TREATMENT**

- How do you treat each type?
 - Each type is recycled &/or disposed waste through licensed companies.
 - The wastewater in the O&M centers is treated at the treatment plant, the wastewater in the toll plazas is sent to the treatment plant with septic tank, and in some locations it is disposed of directly by the sewer line.



Waste Water Plant in O&M Center



Municipal Waste Water Plant



Contracted Recycling Waste Separation Plant

2

WASTE & POLLUTION

2.1 WASTE MANAGEMENT

SUITABLE MANAGEMENT

• TREATMENT

- How do you treat each type?
 - Each type is recycled &/or disposed through licensed companies. For the 10,000m² of green space managed and composting.



Indicators

- km² of grass cutting area



The compost
(organic);

organic waste resulting from the maintenance of the green spaces of the Gebze-Orhangazi-İzmir highway, is made from dry leaves, sheets made from cellulose wadding, or from newspaper sheets. The compost made from these materials will be used to meet the nutritional needs of the plants that are on the highway.



For the production of this compost, we use a third of green material rich in nitrogen and two thirds of a brown matter rich in carbon. In addition, freshly cut green herbs and water are also incorporated to accelerate decomposition.

Nitrogen, which promotes the formation of leaves and plant bodies, is a nutrient that directly affects the physiological functions, quantity and quality of the product in the plant. The latter uses large amounts of nitrogen during its development. For example, trees with sufficient nitrogen requirements will be more resistant to pests.



Since there are no nitrogen compounds in the soil rock, the nitrogen source is provided by the organic matter and plant residues. In Turkey, the amount of nitrogen in the soil is not enough. Given the soil's low nitrogen content, nitrogen fertilizer must be added to ensure healthy plant growth.

2 WASTE & POLLUTION

2.2 POLLUTION REDUCTION

HAZARDOUS PRODUCTS MANAGEMENT

- **POLLUTING PRODUCTS**
 - What kind of chemical and phytosanitary products do you use, and for which use (green space management, cleaning, maintenance...)?
 - We do not use any phytosanitary products. 0 phytosanitary products policy.
 - Do you monitor the quantity of products used? What are your actions to reduce/optimize it? Do you limit the perimeter and frequency to the strict necessary?
 - No
 - Do you have a 0 phyto policy for green space management? If no, do you have a plan reduction for this type of products?
 - Yes, we follow 0 phyto policy for green space management.

2 WASTE & POLLUTION

2.1 WASTE MANAGEMENT

HAZARDOUS PRODUCTS MANAGEMENT

- POLLUTING PRODUCTS
 - How do you manage hydrocarbons on road (from road users' vehicles) and at O&M centre (from your vehicles, genset...)?
 - For the oils spilled on the motorway after vehicle accidents, the oil spill kit (absorbing material) found in all patrol and maintenance vehicles is applied to the road by the teams.
 - Hazardous waste collected from the motorway is sent to licensed/certificated companies.
 - Have you implemented a systematic policy of Recuperation, Recycle and Treatment of them? Could you describe it?
 - Yes, waste oil from genset, vehicle maintenance works are recycled through licensed companies.
 - Do you promote the use of less polluting materials/ alternatives (i.e. for the maintenance)? Which ones?
 - Yes, we started to use ClearNox in place of Adblue.

Indicators

- Kg/t/lt of waste collected (Type: hazardous/non-hazardous)
- tCO₂e
- Kg/t/lt of waste oil recycled



2 WASTE & POLLUTION

2.2 POLLUTION REDUCTION

OTHER ACTIONS

- **NOISE & LIGHTNING**
 - Do you have soundproof walls or other devices enabling to reduce noise &/or lightning pollution?
 - No action of lighting pollution
 - We have soundproof walls on Bornova viaduct and Mudanya intersection



Bornova Viaduct



Mudanya Intersection

2

WASTE & POLLUTION

2.2 POLLUTION REDUCTION

OTHER ACTIONS

- **TUNNELS**

- If you operate tunnels, how do you manage air pollution (filter...)?
 - There are no filter systems in the tunnels. When air pollution occurs in the tunnel, it is evacuated by jet fans.
- The Tunnel of Belkahve being closed to Izmir, it could be important to install filter system to improve air quality. Do you have a study of the possible costs/benefits ?
 - No, we do not have any study on improving air quality, if there is an example application regarding this, your support should be useful/helpful for us.

3 WATER & RESOURCES

3.1 WATER MANAGEMENT

WATER

• AWARENESS

- Do you have trainings &/or campaigns dealing with resources management (like water) and good practices to follow?
 - Yes, regarding resources management (like water) employees are informed during induction and periodical trainings. Posts in water usage areas (toilets, kitchen) as water waste reminder.
 - All WCs work with double reservoir/siphon system.

Indicators

- m³/l drinkable and non-drinkable water consumed at O&M centers, toll plazas



3.1 WATER MANAGEMENT

WATER

• CONSUMPTION

- Do you measure the quantity of water used by type (drinking water, ground water, rainwater)?
 - Yes, drinking water and ground water are measured. Missing water meters were installed to measure the quantity of ground water in 2023 and 2024.
- What are your main consumption categories (cleaning, toilets, watering, etc.)? Could you provide figures?
 - Main water consumption categories are brine production for winter viability (~6.000t/yr), fire hydrants, domestic water, green space watering, car/vehicle cleaning after winter viability at O&M centres and only use of domestic water at toll plazas (~5.000m³/yr)
- Do you have actions implemented to reduce your consumption? Do you upcycle (wastewater for cleaning of infrastructures/vehicles, rainwater for the green spaces of the operating sites...)?
 - Yes, car/vehicle cleaning not allowed during summer & drought. Currently, study regarding water recuperation. In order to collect and evaluate the rain water, studies have been started to determine the locations of the collection areas firstly.

Indicators

- m³/l drinkable and non-drinkable water consumed by O&M centres, toll plazas
- m³/l ground water consumed

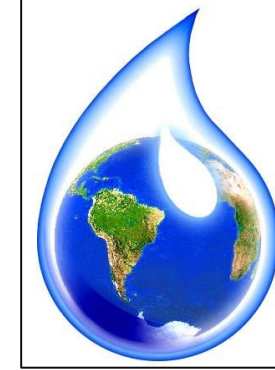
3 WATER & RESOURCES

3.1 WATER MANAGEMENT

WATER

• CONSUMPTION

- Do you measure the quality of water at some point (i.e. rainwater on roads, wastewater from O&M centre...)?
 - Quality of waste water of treatment facility is measured quarterly.
- Could you please share with us the study you made regarding water recuperation and quality evaluation?
 - Rainwater is collected in O&M centers and used in brine production, car wash etc. activities.
 - Refined water in Turgutlu O&M center is used to water plants around.
 - Waste water of treatment facilities is measured by licensed laboratories quarterly and results are monitored..



Indicators

- m³ rainwater consumed



Rainwater tanks in O&M centers



Plants around Turgutlu O&M center

3 WATER & RESOURCES

3.1 WATER MANAGEMENT

WINTER VIABILITY

- Could you explain your winter viability process?

Do you limit your consumption of dry salt? How (brine...)? Do you practice preventive measures?

- We observe environmental awareness and reduce dry salt consumption by brine (transition from salt to brine) in winter viability process. Brine is composed of %23.3 salt and %76.7 water.
- In 2022 %69 dry salt and %31 brine were used in winter viability.
- In 2023 %77 dry salt and %23 brine were used in winter viability.
- In 2024 %79 dry salt and %21 brine were used in winter viability
- We use potassium acetate instead of salt on Osmangazi Bridge during winter viability process.

Indicators

- T of dry salt used
- T of alternative resource used (Brine)

PRINCIPLES

- Preventive maintenance
- Protective maintenance
- Snow ploughing under heavy snowing

To determine of material to be used and vehicle types:

Meteorological datas (past and current) and winter weather conditions

To determine the Winter Maintenance Vehicle Rings (Cycles):

Project design (number of special structures, intersections and access roads, locations of operation and maintenance centers and salt stores

To determine the number of winter maintenance vehicles

OBJECTIVES

keeping the entire motorway open in heavy snowfall

to respond quickly to incidents

to ensure safe driving for motorway users

to carry out preventive maintenance on time

to take the necessary precautions quickly and correctly after meteorological warnings

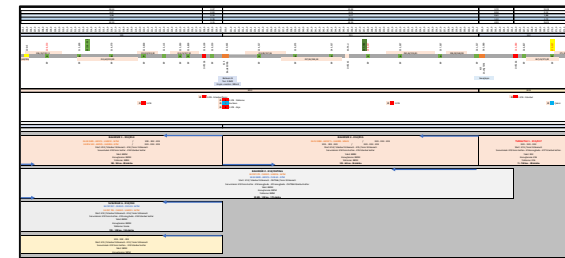
using less salt, being sensitive to the environment

STRATEGY

Preventive maintenance consists of measures taken to reduce the impact of adverse weather conditions with the information obtained from data sources before adverse weather conditions occur on the road route.

When it is certain that the motorway surface will become risky with meteorological data and other on-site field determinations, this application is carried out before adverse weather and traffic conditions occur. With the application, the effect of the weather conditions on the motorway is reduced and the negative effects that will occur are tried to be kept under control.

The quantities and methods to be applied in preventive maintenance vary according to the risk levels of adverse weather conditions and ambient conditions.



	FROST DAYS	SNOWING DAYS
2018-2019	22	10
2019-2020	29	8
2020-2021	34	12
2021-2022	55	25



	FROST DAYS	SNOWING DAYS
2022-2023	13	6
2023-2024	29	6



4

BIODIVERSITY

4.1 PRESERVATION OF NATURAL ECOSYSTEMS

PRODUCTS

• GREEN SPACES

- How much green space do you manage (km²)? What are their repartition (along the road, toll plaza, compensation areas...)?
 - 18.522 km² total green space (along to road, toll plaza) area (7,314 km² landscape maintenance area)
- Do you manage “high potential environmental zones”? How many?
 - Yes, Osmangazi Bridge, which connects Istanbul to Bursa, passes over the Bay of Izmit in the Marmara Sea and close to Hersek Lagoon. Lagoon is of great importance as a shelter, feeding and breeding area for many species, especially water birds.
- What actions have you implemented to preserve these areas?
 - We use environmentally friendly potassium acetate to prevent icing in bridge zone winter maintenance. We do not degrade the biodiversity of the sea and lagoon.
- Have you implemented non-hazardous methods (to destroy invasive alien species, sheep grazing...) ?
 - No
- Do you support grassland, hedges &/or agroforestry on site or close to your site?
 - Yes, we send the cut grass as bales to the farmers.
 - Memorial forest areas created.
 - Organic waste resulting from the maintenance of the green spaces of motorway is collected and the compost made from these.



4

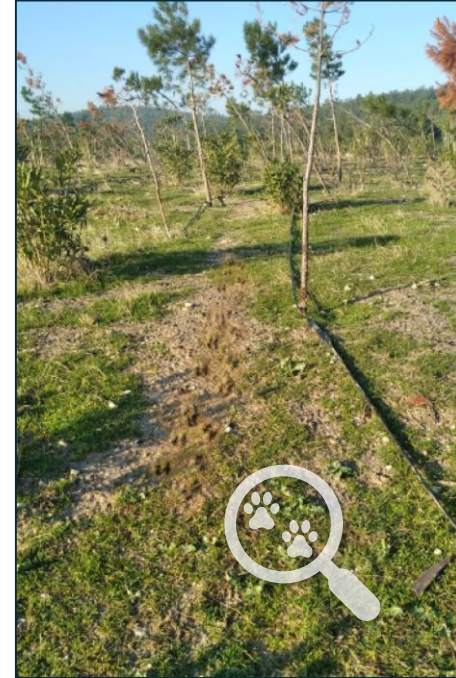
BIODIVERSITY

4.1 PRESERVATION OF NATURAL ECOSYSTEMS

METHODS

• ADAPTED STRUCTURES

- Do you have eco-bridges or other wildlife passages? If yes, could you give use information on them (number, type, management...)?
 - There are 2 eco bridges in our Project in order to use of animal passing.
- Is there any monitoring with data that you can share (even if made by SPV)?
 - Photo traps on ecological bridges, wild animal crossings are monitored.



4 BIODIVERSITY

4.1 PRESERVATION OF NATURAL ECOSYSTEMS

METHODS

- **AWARENESS**

- Do you have trainings &/or campaigns focusing on biodiversity and its protection?
 - No
- Have you a tool in which you can share information regarding the biodiversity on your site?
Other tools/information?
 - No

1 TRAFFIC

1.1 SAFETY & WELL-BEING

HEALTH & SAFETY

- Do you have H&S trainings (topics, amount of collaborators...)?
 - Yes, occupational health and safety induction training is given 16 hours before starting work, with this training is repeated in 4 hours every year for employees and subcontractors.
 - The topics of the training are regulations, emergency situation, ergonomics, first aid, safety rules under traffic, working with work equipment, working at height, near miss and accident, personal protective equipment etc.
 - Our HSE team consists of 4 colleagues. At the same time, managers and all employees are our collaborators for HSE.

Indicators

- Number of personel trained to the Safety Attitude
- Number of OHS events
- HSE training hour/man

KAZA SONRASI TEK NOKTA EĞİTİMİ
Lokasyon ve Kaza Tipi

Olay Yeri	116+600 (İzmir Yönü)	Kaza Türü/ Kayıp Gün Sayısı	İş Gücü Kayıpsız (1)
Kaza Tarihi	09.06.2023	Kaza Nedeni	Yöntem hatası

OLAY ARAŞTIRMA

OLAY: 09.06.2023 tarih, saat 14:00 civarında Balçisir Kuzey geniş intasyonu peyzaj alanında motorlu taşıtı ile ot biçme işlemi yapılmaktadır. Motorlu taşıtı misine takılmak için biçme anıta ile sıkıştığı esnada biçme yerinden çıkması ve sol ayağının dış bölgesine gelmiş, kesik olmuştur. Çalışmamız Balçisir Atatürk Şehir Hastanesine gitmiştir, bacağına üç dikiş atılmıştır. 1 günlük istirahat raporu mevcuttur.

Düzeltilici Faaliyetler

- Makine ekipmanı değiştirilirken dikkat edilmesi gerekenler ile ilgili tek nokta eğitimi verilmesi
- Kazanın oluş şekli ile ilgili tek nokta eğitiminin hazırlanması

OLAY ARAŞTIRMA

Sıkışan makine parçası ile kesik oluşumu

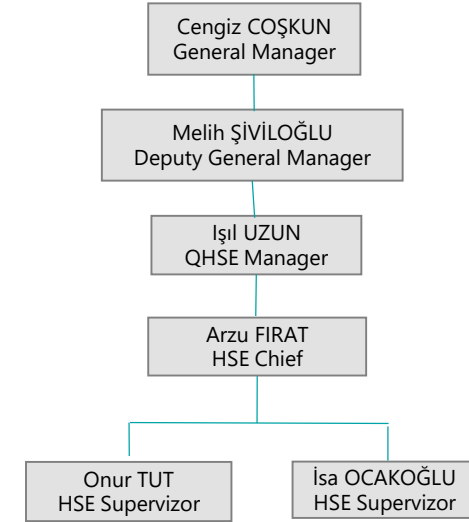
Makinanın sabit alınması

Şarjli telefonla durumu bildirilmesi

2

One Point Lesson Training Example

GIIB HSE Organisation Chart



1 TRAFFIC

1.1 SAFETY & WELL-BEING

HEALTH & SAFETY

- What are the main OHS actions implemented on-site? Do you have innovative measures?
 - Our HSE training specific to the risks of each department.
 - After the HSE training, a HSE interview is held to evaluate the training effectiveness.
 - Emergency drill (first aid, fire, chemical leak) are held annual.



OUR HIGH RISKS	
	Intervention under traffic
	Traffic accident
	Working with electricity and its dangers
	Vehicles crashing into toll booths
	Working at height and danger of falling

DISTRIBUTION OF OHS RISKS-2024				
Department	Number of Risk	Average Risk Score	After correction action Average Risk Score	Risk Reduction Rate
Traffic Safety&Routine Maintenance	86	8,79	5,31	-40%
Toll Collection	71	6,65	4,36	-34%
Vehicle Equipment	38	9,05	5,18	-43%
Elektromecanic	36	8,63	5,33	-38%
Bridge Control	29	9,37	5,93	-37%
	21	9,14	4,85	-47%
Office	19	6,63	4,26	-36%
Groups Requiring Special Policy	21	2	2	0%

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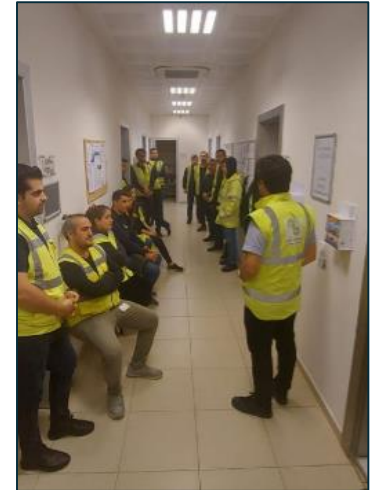
EMPLOYEES

1.1 SAFETY & WELL-BEING

WORKING CONDITIONS

SOCIAL MEASURES

- Are the employees paid above the National Minimum Wage?
 - Yes, we pay our employees up to the minimum wage.
- What actions do you implement to promote/enhance the well-being/fulfilment of your employees?
 - We give them; occupational retraining, usage of company car for 2 times for vacation, bonus money on Religious Holidays, +2 days for marriage bonus, birthday bonus, +2 smoke free promotion bonus, as one day paid vacation, +2 days funeral paid vacation



Occupational retraining

Indicators

- Salary payment
- Number of occupational retraining
- HSE training hour/man

1 EMPLOYEES

1.1 SAFETY & WELL-BEING

WORKING CONDITIONS

- **PROFESSIONAL DEVELOPMENT**

- Do you have processes promoting knowledge-sharing (group projects, tutorship...)?
 - Yes, we have these processes. For example;
 - Supporting to other O&M Public Private Projects with trainings in Turkey and abroad (Eurasia Tunnel, Canakkale Bridge and Motorway, BAKAD Almaty).
 - Republic of Turkey General Directorate of Highways officials were given training on our practices by our company.
 - We share our in-house experiences with our teams in all regions.

1 EMPLOYEES

1.1 SAFETY & WELL-BEING

WORKING CONDITIONS

- **PROFESSIONAL DEVELOPMENT**

- Do you have great stories to share on internal promotion?
 - Yes, we use quite- hiring as HR management, it gives employees the opportunity to work in challenging assignments, improve existing skills, learn new skills, expand their careers. For example,
 - Mr. TURAN who is started as Traffic Control Operator, was doing traffic management well and became the Main Traffic Control Center Chief, he had been doing this job for 3 years. Afterwards, it was decided that he was the appropriate person thanks to his commitment, morality, ability of decide, incident management and coordination, attitude towards his subordinates.



Samed TURAN- Traffic Safety Deputy Manager

1 EMPLOYEES

1.1 SAFETY & WELL-BEING

WORKING CONDITIONS

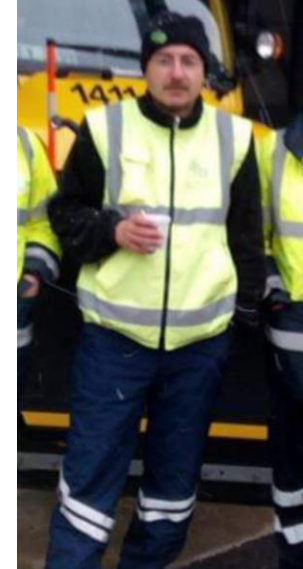
- **PROFESSIONAL DEVELOPMENT**

- Do you have great stories to share on internal promotion?

An other story of career advancement and internal promotion is,

- Mr. GÜREL worked in EPC during the construction period of the project as a private chauffeur. After that he started his career in our company as a Road Supervisor in 2015, continued to work in our company as a Routine Maintenance Officer in 2017 due to the service he provided for 2 years. In return for his devoted work in team management, work planning, and in this process, he has been working in our company as a Routine Maintenance Chief since 2020. He was also promoted to Deputy Routine Maintenance Manager in March 2024.

There are two stories of internal promotion, in addition to this, we have almost 10 great stories about internal promotion .



Bilal GÜREL - Deputy Routine Maintenance Manager

1

EMPLOYEES

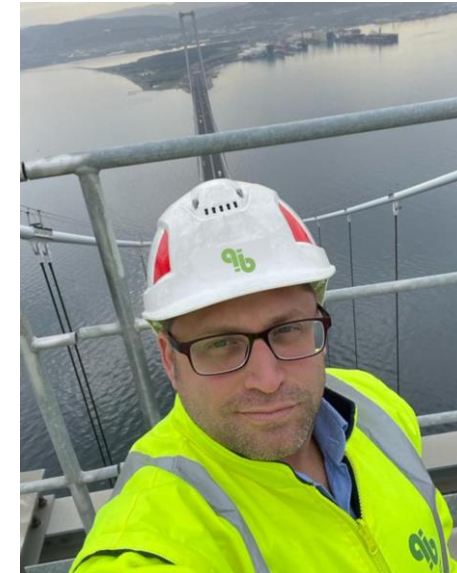
1.1 SAFETY & WELL-BEING

WORKING CONDITIONS

- **PROFESSIONAL DEVELOPMENT**

Our other great story of career advancement is,

- Mr. SÜLER, who started his career as a Geological Engineer in 2007, took part in the construction of the tunnels between Gebze and Bursa in July 2012, as the Tunnel Chief Engineer, with his vast experience of tunnel excavation, geotechnical engineering, inline concrete. He transitioned from Construction to Operation side to our company in December 2016 and has been working as a Asset & Planning Manager.



Atakan SÜLER- Asset & Planning Manager

1 EMPLOYEES

1.1 SAFETY & WELL-BEING

WORKING CONDITIONS

- **PROFESSIONAL DEVELOPMENT**

Our great story of career advancement is,

- Mr. ŞİVİLOĞLU, who started his career as a Geological Engineer in 1992, took part in the construction of the road between Gebze and Bursa in July 2012, as the Construction Senior Chief Engineer, with his vast experience of earth works, asphalt pavement and civil structures. After 2 years, he worked as Project Manager between Bursa and Balıkesir. He transitioned from Construction to Operation side to our company in June 2021 and has been working as a Traffic Safety and Maintenance Department Manager at an important point of our company with average of 300 employees for approximately 2 years in carrying out construction and operation together. He was also promoted to Deputy General Manager in January 2024.

There are two stories of internal promotion, in addition to this, we have almost 5 great stories about career advancement .



Melih ŞİVİLOĞLU- Deputy General Manager

1

EMPLOYEES

1.2 EQUALITY & INCLUSION

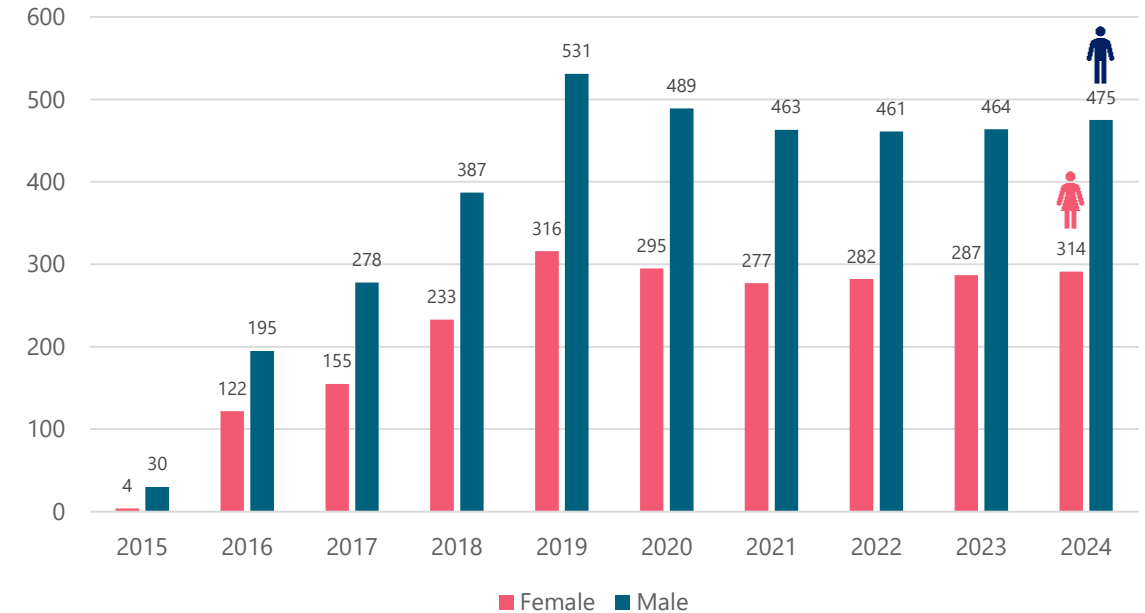
GENDER EQUALITY

- What do you have in place to promote female employment? (partnership with associations, campaigns...)
 - No, we don't have any place to promote female employment. As a company policy, we attach importance to the employment of female employees.
- How many women work on this project? Which position do they have? Are there women in unusual roles (patrol, traffic control, IT...)?
 - End of the 2024; we have 314 women working with us.
 - Patrol team has 1 woman.
 - Traffic control room team has 1 woman.
- Do you have women in leadership positions?
 - Yes, end of the 2024;
 - We have 2 women manager, 2 women deputy manager, 10 women chief, 3 women engineer and 32 women supervisor.

Indicators

- % female workers
- % female workers in leadership position

Staff Distribution by Gender



1

EMPLOYEES

1.2 EQUALITY & INCLUSION

GENDER EQUALITY

- Do you provide equal wage?
- GIIB A.Ş. 2024 Employment Strategies,
- At GIIB A.Ş., we believe in the power of employee diversity.
- Women's employment is of great importance to us. While our current situation sees **40%** of our employees as women, we consider it one of our primary goals to increase this rate.
- In 2024, we are proud to share that the number of women working in technical fields (1), engineering (2), construction fields (1), supervisor (32), chief (10), deputy manager (2) and manager (2) is increasing daily. Our company culture is built on the belief that every business area offers equal opportunities for success to both men and women. As such, we have made it a priority to have **20% of managerial positions occupied by women.**



İstanbul-İzmir Otoyolu'nun tek kadın bakım operatörü çalışma ...

Indicators

- % female workers
- % female workers in "unusual roles" (patrol, traffic control, IT...)
- Professional equality index X actions promoting gender equality

1 EMPLOYEES

1.2 EQUALITY & INCLUSION

DIVERSITY & INCLUSION

- Do you have actions/processes which participate to promote diversity & inclusion in the company &/or with our suppliers?

Ex: do you work with local specialized firms for employment?

- Yes, as a multi-partner company, BAHTYGUL HAYDAROVA, a Turkmen citizen, was hired to diversify our employees. It was to test how our diversity would be received by our company. With Bahtygul we learn how to manage this procedure, what adds to the core values of the components. Prose; It started with creating the work permit by sending the documents of the relevant persons from the state. The first one-year work permit was given by the Turkish Ministry of Labor. Meanwhile, Bahtygul's working period was extended for 1 more year by observing the contribution of different perspectives, moral values and beliefs to the institution of diversity. At the end of the day, it was observed that the diversity of stories was supported by our own employees' perseverance, effort and effort. This process, which started as a trial, contributed to the company processes with support.
- Our highway consists of 4 cities and their towns. The process we apply when recruiting and purchasing materials is to support the local people living there, to give small businesses the opportunity to work. creating job employment by supporting regions and contributing to the continuation of the lives of the living people
- In addition to our commitment to gender equality, we also take initiatives to include underprivileged groups in the workforce. We prioritize the training of 21 disabled employees (**%3**) in order to increase their employment opportunities and to take an active role in working life. Our company places emphasis on employing disabled individuals, apart from the compulsory rates set by Turkish laws, in a variety of roles including administrative affairs officers and toll center operator, and we are committed to help them develop their skill sets.
- Our highway consists of 4 cities and their towns. The process we apply when recruiting and purchasing materials is to support the local people living there, to give small businesses the opportunity to work. creating job employment by supporting regions and contributing to the continuation of the lives of the living people

2 USERS

2.1 SAFETY FOR ROAD USERS

SAFETY

- **MANAGEMENT**

- What is implemented to ensure a safe infrastructure?

- Osmangazi Bridge is located in one of the most seismically active places in the world. It is designed as per Euro Norms and Turkish State Highways Technical Requirements to withstand ship impact, strong wind, heavy traffic, excess loads and earthquakes.
- The Structural Health Monitoring System (SHMS) is an integral part of the structure of Osmangazi Bridge. SHMS system also supports the traffic management during strong wind blows and winter maintenances.
- All civil structures/assets and motorway pavement are inspected by engineers at least twice a year.
- Sensitive inspections are carried out for important structures such as tunnels and viaducts once a year and/or after earthquakes.
- All detected problems are intervened as soon as possible.
- The Tunnels are monitoring with SCADA system.



Indicators

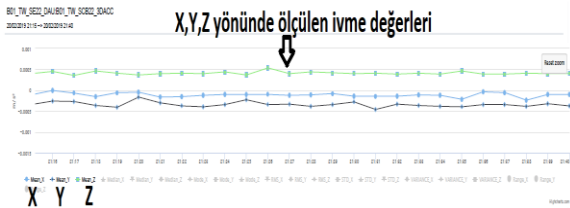
- Osmangazi Bridge SHMS results
- Number of days with strong wind
- % of completed inspection and maintenance plans

2 USERS

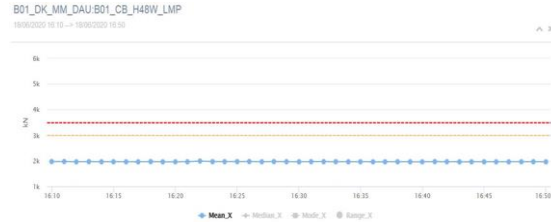
2.1 SAFETY FOR ROAD USERS

SAFETY

MANAGEMENT



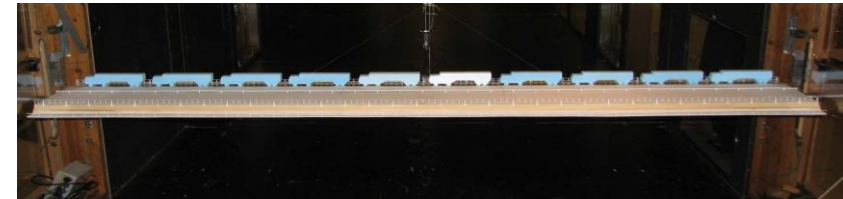
SHMS seismic event graph



SHMS load graph

Seismic design criteria

Seismic Event	Ground Motion Return Period	1999 Earthquake	Damage Performance level
Functional Evaluation Earthquake (FEE)	150 years (50 % in 100 years)	Nearly equal	Minimum Damage
Safety Evaluation Earthquake (SEE)	1000 years (10 % in 100 years)	2.5 times	Repairable Damage
No Collapse Earthquake (NCE)	2475 years (4 % in 100 years)	3.5 times	No Collapse, Life Safety Damage



Wind Tunnel Tests (extreme traffic)

Indicators

- Osmangazi Bridge SHMS seismic event graphs
- Osmangazi Bridge SHMS load graphs

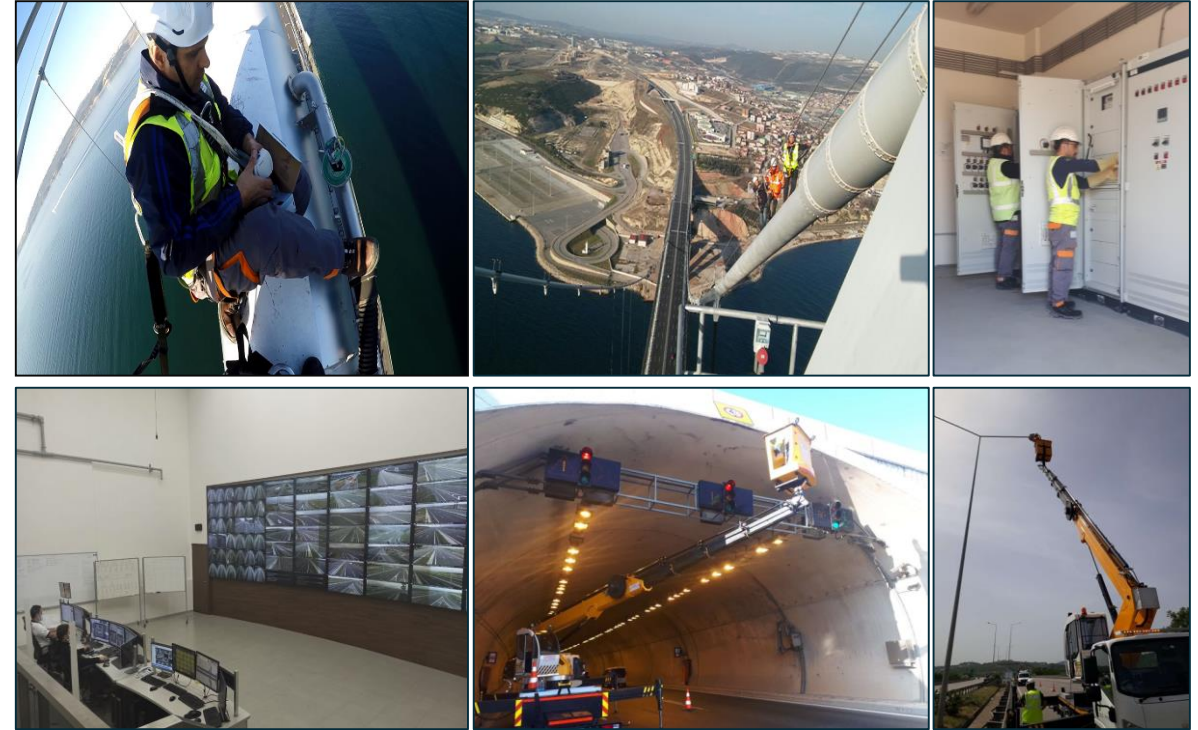
2 USERS

2.1 SAFETY FOR ROAD USERS

SAFETY

- **MANAGEMENT**

- Do you have measures? Regular monitoring?
 - Yes, Regular inspection and maintenances are carried out by in house team and reputable outsource companies which are reviewed by an experienced Consultating Company.
 - Main, Tunnel, Bridge Control Centers are dedicated to monitor the motorway where trained SCADA operators monitor the on 24/7 basis via Electro-Mechanical Systems (CCTV, SCADA, SHMS, Weigh-in-Motion, Meterological Stations, Dehumidification, Communication, etc).
 - Asset management enabling to reduce drastically the dangerousness of the road and reduce up to 90% the accidentology on some key points.
 - Special measurements and periodic monitoring are carried out for some viaducts, bridges and slopes.
 - ISO 50001 Energy Management System, ISO 39001 Traffic Management System and ISO 55001 Asset Management System are going to be certified in 2025.



Indicators

- % of completed inspection and maintenance plans
- Osmangazi Bridge and South Approach Viaduct (SAV) electro-mechanical systems results.
- Inclinator results

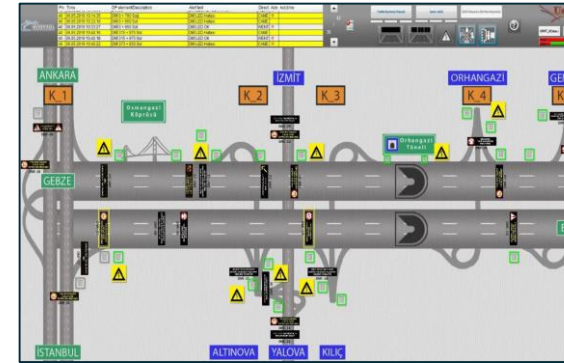
2 USERS

2.1 SAFETY FOR ROAD USERS

SAFETY

• SAFETY DEVICES

- What are the specific vehicles, materials, tools that you have to ensure safety for road users?
 - There are thermal and HD cameras with CCTV system and VMS/VTS gantries on the Osmangazi Bridge remotely controlled at bridge control center.
 - Marwis device used to measure floor temperature of motorway during the winter viability as preventative measure.
 - Weather forecast is followed online along the road instantly and weather is notified within the company and each related partner.
 - There is mobile phone application to inform road users.
 - The systems used on the motorway and tunnels to ensure the safety of highway users are as follows;
 - On motorway: CCTV cameras, VMS, VTS, Mobile App, patrol vehicles, trailers, cones, signs.
 - Tunnels: Event detection system, CCTV cameras, VMS/VTS, fire hydrant cabinets and fire extinguisher, Jetfans, SOS cabinets
 - As a result of the notifications received from 161 emergency call centers serving 24/7, we direct road users to safe areas in case of an accident.



Tunnel SCADA System



Thermal road cameras



VMS and VTS



Marwis device

Indicators

- Number of notifications received from 161 emergency call center
- Number of VMS/VTS through motorway

2 USERS

2.1 SAFETY FOR ROAD USERS

SAFETY

• MANAGEMENT

- What is implemented to ensure a safe infrastructure?
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Indicators

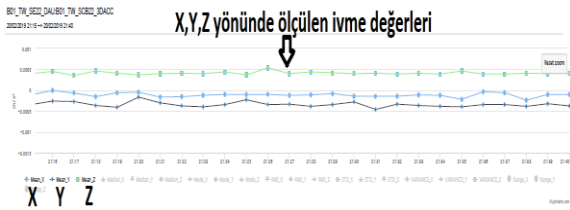
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- Number of days with strong wind
- % of completed inspection and maintenance plans

2 USERS

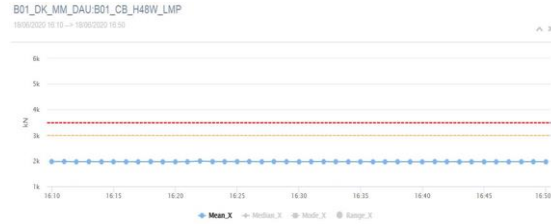
2.1 SAFETY FOR ROAD USERS

SAFETY

MANAGEMENT



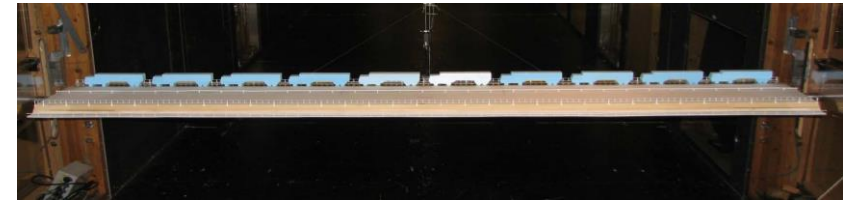
SHMS seismic event graph



SHMS load graph

Seismic design criteria

Seismic Event	Ground Motion Return Period	1999 Earthquake	Damage Performance level
Functional Evaluation Earthquake (FEE)	150 years (50 % in 100 years)	Nearly equal	Minimum Damage
Safety Evaluation Earthquake (SEE)	1000 years (10 % in 100 years)	2.5 times	Repairable Damage
No Collapse Earthquake (NCE)	2475 years (4 % in 100 years)	3.5 times	No Collapse, Life Safety Damage



Wind Tunnel Tests (extreme traffic)

Indicators

- Osmangazi Bridge SHMS seismic event graphs
- Osmangazi Bridge SHMS load graphs

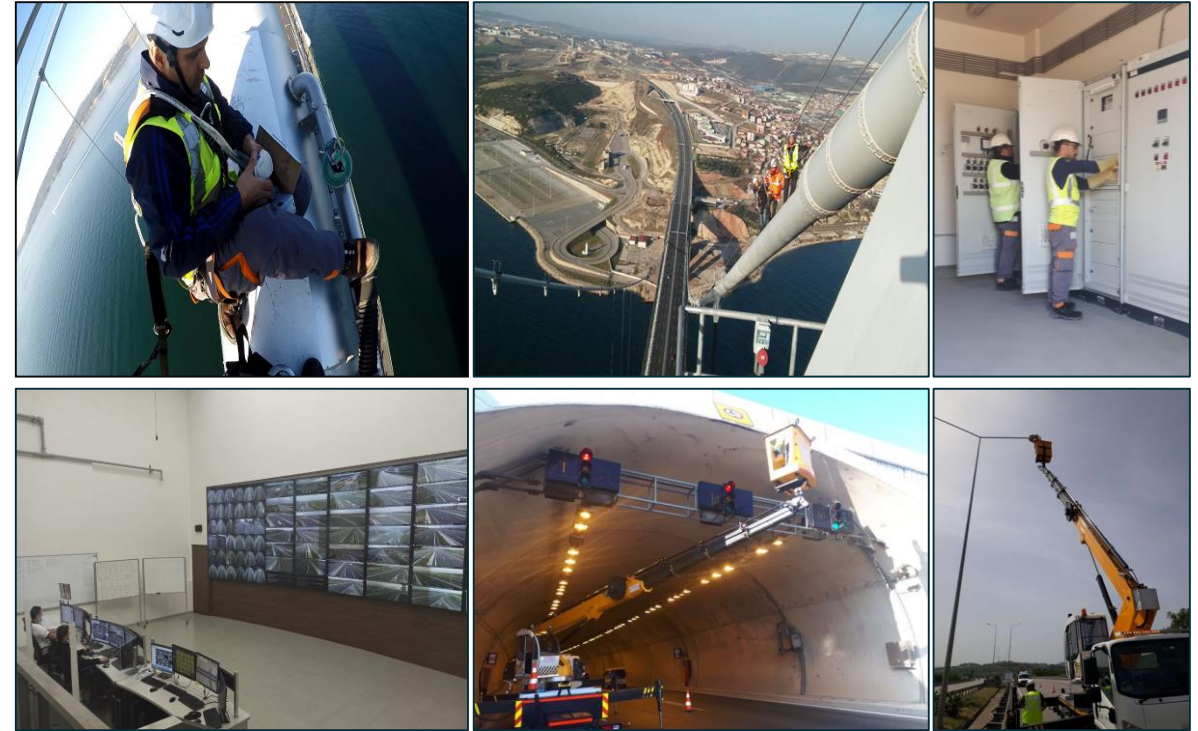
2 USERS

2.1 SAFETY FOR ROAD USERS

SAFETY

• MANAGEMENT

- Do you have measures? Regular monitoring?
 - Yes, Regular inspection and maintenances are carried out by in house team and reputable outsource companies which are reviewed by an experienced Consulting Company.
 - Main, Tunnel, Bridge Control Centers are dedicated to monitor the motorway where trained SCADA operators monitor the on 24/7 basis via Electro-Mechanical Systems (CCTV, SCADA, SHMS, Weigh-in-Motion, Meteorological Stations, Dehumidification, Communication, etc).
 - Asset management enabling to reduce drastically the dangerousness of the road and reduce up to 90% the accidentology on some key points.
 - Special measurements and periodic monitoring are carried out for some viaducts, bridges and slopes.
 - ISO 39001 Traffic Management System and ISO 55001 Asset Management System are going to be certified in 2023.



Indicators

- % of completed inspection and maintenance plans
- Osmangazi Bridge and South Approach Viaduct (SAV) electro-mechanical systems results.
- Inclinator results

2 USERS

2.1 SAFETY FOR ROAD USERS

SAFETY

• EMERGENCY PLANS

- What are the processes planned? (Fire risk, ...)
 - There is a fire hydrant system with hydrant cabinets in each 125 meter intervals at both directions on the Osmangazi Bridge. Bridge towers and cables are protected up to 25 meters height from deck level with fire paint and water spinkler cooling system.
 - To the events that occur intervened in accordance with the emergency plan procedure. Emergency plan procedure (QSE-PR-15) of GİİB shall be followed.
 - Fire hydrant systems are available in tunnels (A total of 172 pieces at 75 meters intervals- Orhangazi: 95, Selçukgazi: 35, Belkahve: 42), maintenance operation centers and bridge.
 - Fire fighter UTVs are ready outside of the tunnels.
 - There are also dry chemical, CO2 and foam fire extinguishers in toll booths and transformer buildings.
 - During heavy snowfall, we use Rangers (Snow Leopard) vehicles with snow blades to intervene in hard-to-reach spots.



Snow Leopards



Fire hydrant system



Fire fighter (UTV)



Water sprinkler system

Indicators

- Number of fire hydrant cabinets
- Number of fire extinguishers, UTVs

2 USERS

2.1 SAFETY FOR ROAD USERS

SAFETY

- **AWARENESS**
 - What are the trainings, campaigns &/or actions led for road users?
 - For motorway users, warning and informative messages are published according to the event type or in the VMS on the route. In addition, every Thursday at 20:00, 32 previously defined notifications containing important information about our motorway are published in order.
 - There is a mobile phone application to inform (accident, debt information, etc.) motorway users.

Indicators

- Number of VMS/VTS through motorway



VMS and VTS



Mobile phone app.

2 USERS

2.2 SATISFACTION

QUALITY OF SERVICES

- **EFFICIENCY**
 - Do you have actions optimizing tolling, risks of traffic jams & other main inconvenience?
 - Yes, In cases of traffic jam, drivers are informed with VMS and it is recommended to choose alternative routes from the previous/next intersections. In addition, in cases where the traffic jam increases, the number of toll entrances is reduced by informing the toll plazas.
 - Vehicle passing processes are accelerated by bringing the toll barriers to the open position in order to reduce traffic jam.



2

USERS

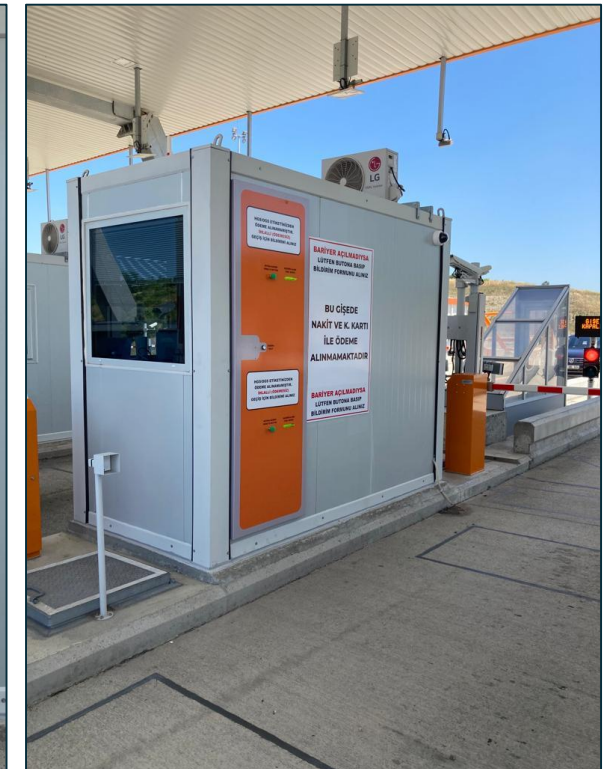
2.2 SATISFACTION

QUALITY OF SERVICES

EFFICIENCY

Do you have actions optimizing tolling, risks of traffic jams & other main inconvenience?

- Yes, at the ETC toll plazas, a violation toll system has been installed for vehicles that cannot receive automatic payment.
- When there is heavy traffic, lanes are opened in free pass mode to speed up the traffic flow. The provisioning system continues to operate in this mode.
- Barriers were removed to speed up traffic flow in the entrance lanes.
- More personnel are planned for the periods when traffic density is expected.
- We do not conduct surveys in toll plazas as they may negatively affect traffic flow. All feedback from customers is forwarded to the Main Control Center by opening an OSM record.



Indicators

- Number of vehicles passed through free pass mode
- Number of violation toll system notification
- Number of feedback from customers

2 USERS

2.2 SATISFACTION

QUALITY OF SERVICES

- **EFFICIENCY**
 - Do you know what are the main preoccupations of your users? Do you have measures &/or surveys?
 - No

2 USERS

2.2 SATISFACTION

QUALITY OF SERVICES

• COMMUNICATION

- What are the tools offered to the client to contact you?
 - Our customers can reach us through written and verbal communication.

CALL CENTER
☎ 0 850 399 35 05



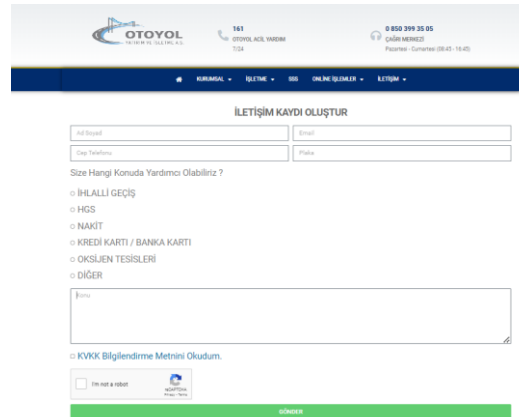
EMERGENCY LINE
☎ 161

Indicators

- Number of calls received and answered through call center
- Number of e-mails received and replied through web site
- Number of messages received and replied through mobile application

WEB SITE

 **www.otoyolas.com.tr**



The screenshot shows the OTOYOL website's contact page. At the top, there's a header with the OTOYOL logo and contact information. Below the header, there's a navigation bar. The main content area is titled 'İLETİŞİM KAYDI OLUŞTUR' (Create Communication Record). It contains a form with fields for 'Ad Soyad' (Name Surname), 'E-posta' (Email), 'Telefon Numarası' (Phone Number), and 'Pozisyon' (Position). Below the form, there's a section titled 'Size Hangi Konuda Yardımcı Olabiliriz?' (In which topic can we help you?). It lists several options: 'BİLİMLİ GEÇİŞ' (Transition to Knowledge), 'HGS' (HGS), 'NAKIT' (Cash), 'KREDİ KARTI / BANKA KARTI' (Credit Card / Bank Card), 'OKSİJEN TESİSLERİ' (Oxygen Facilities), and 'DİĞER' (Other). There's a text area for 'Notlar' (Notes). At the bottom, there's a checkbox for 'KVKK Bilgilendirme Metni' (KVKK Information Text) and a 'Gönder' (Send) button.

MOBILE APPLICATION

 **sorun@otoyolas.com.tr**



2 USERS

2.2 SATISFACTION

QUALITY OF SERVICES

• COMMUNICATION

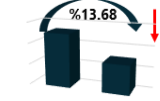
- How many feedbacks of users do you receive? Treat?
- What are the main feedbacks &/or criticisms?
- What are the external communication actions implemented?
 - As a result of the notifications received from 161 emergency call centers serving 24/7, so that customers can communicate. An average of 100/200 feedback is received daily. The main feedbacks are accident, defective vehicle, objects on road, toll complaints and wrong calls.

ACİL YOL YARDIM (161)

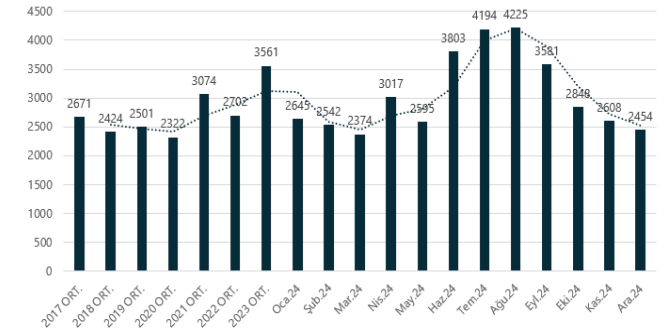
01-31 Ocak 2024 Aylık Rapor

Gelen Aramalar	Dağılım				
	Telefon	E-Mail	Faks	Toplam	%
AKTARMA	477	0	0	477	18%
ARAÇ ARIZA	935	0	0	935	35%
BAŞBOŞ HAYVAN	84	0	0	84	3%
BOŞ ÇAĞRI	109	0	0	109	4%
DİĞER	88	0	0	88	3%
EKİP BİLGİSİ/TALEBİ	165	0	0	165	6%
KAZA BİLGİSİ	159	0	0	159	6%
KÖPRÜ BİLGİSİ	1	0	0	1	0%
ÜCRET TOPLAMA	112	0	0	112	4%
TEHLİKELİ DURUMLAR	15	0	0	15	1%
TEHLİKELİ MADDE	3	0	0	3	0%
TEST ARAMASI	8	0	0	8	0%
TEŞEKKÜR	1	0	0	1	0%
TUNEL/TUNELLER BİLGİSİ	2	0	0	2	0%
YANLIŞ ARAMA	66	0	0	66	2%
YOL TARIF BİLGİSİ	96	0	0	96	4%
OTOYOLDA CİSİM	314	0	0	314	12%
ŞİKAYET	10	0	0	10	0%
Genel Toplam	2645	0	0	2645	100%

161 GELEN ÇAĞRI



Acil Yardım Çağrı Grafiği



01 January-31 December 161 Emergency Call Centers

Indicators

- Number of calls received from 161 emergency call center
- Number and/or % of main feedbacks &/or criticism

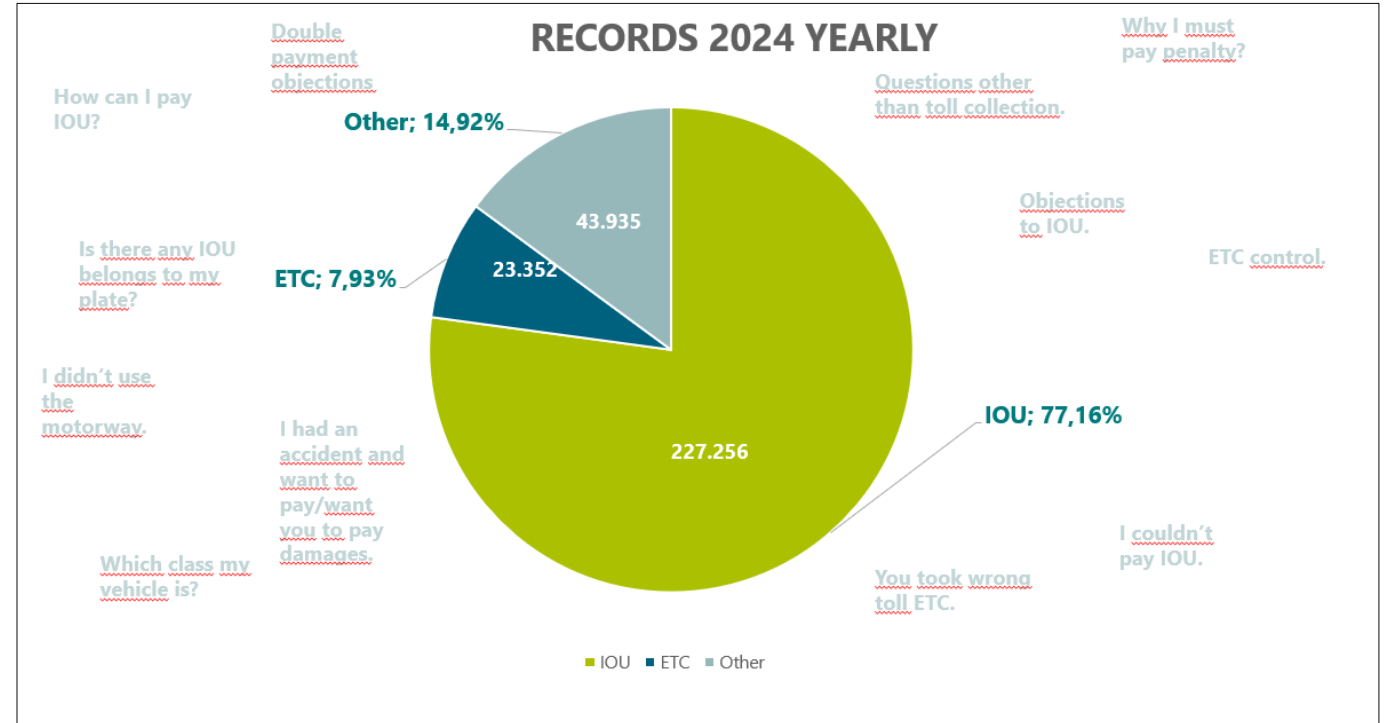
2 USERS

2.2 SATISFACTION

QUALITY OF SERVICES

• COMMUNICATION

- How many feedbacks of users do you receive?
Treat?
- What are the main feedbacks &/or criticisms?
- What are the external communication actions implemented?
 - We resolve the demands and suggestions of our customers regarding the motorway in line with customer satisfaction.
 - In 2022, we answered the questions about the most IOU payment method.



2 USERS

2.2 SATISFACTION

REDUCE ROAD USERS GHG EMISSIONS

• LOW-CARBON SOLUTIONS

- Do you promote shared mobility &/or other « low-carbon » solutions?
 - No. This is not under our O&M scope.
 - 54 charging station placed in the 33 service areas. It is planned to build 500 stations at the end of 3 years.
 - Some groups meet in O3 Dilovası service area (before the Osmangazi Bridge) and continue towards İzmir with a single vehicle (car pooling).
- Do you lead awareness campaigns (Variable Message Signs...)?
 - Yes, awareness is created by publishing many warning messages, such as obeying the traffic rules, maintaining the following distance, obeying the speed limits in rainy weather with VMS.
 - There is a mobile phone application to inform motorway users. With the mobile application, the motorway users are informed.



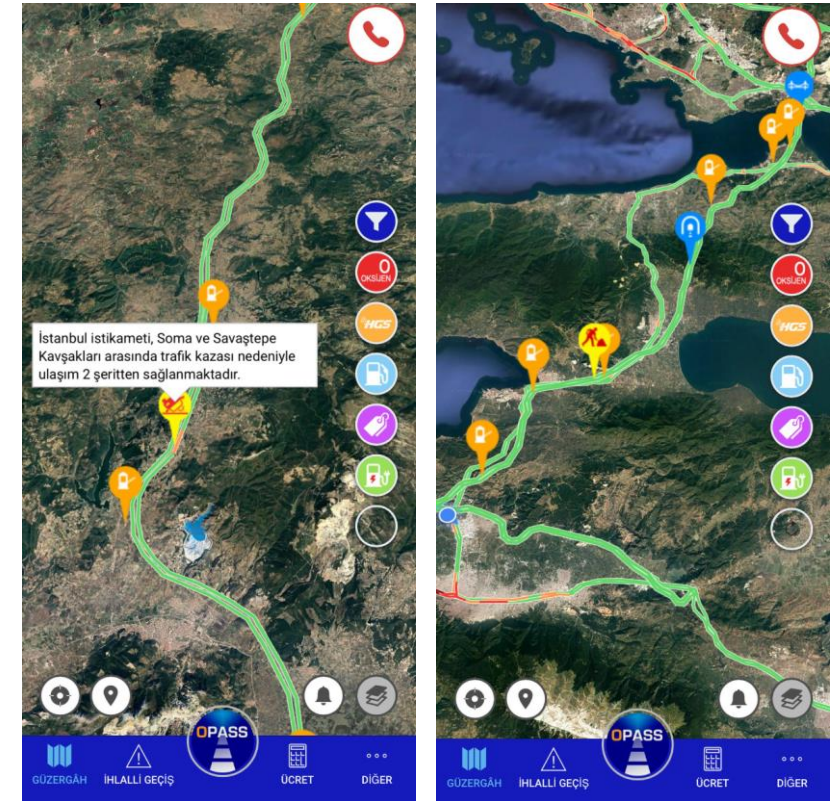
2 USERS

2.2 SATISFACTION

REDUCE ROAD USERS GHG EMISSIONS

- INNOVATION

- Do you have optimizing tools or devices that enable users to reduce their GHG emissions?
 - Yes, there is a mobile phone application to inform motorway users. When motorway users enter the mobile application, they see the traffic condition as accident, working, jam etc..
- Do you have measures?
 - No



3 COMMUNITY

3.1 ECONOMIC & SOCIAL COMMITMENTS

TERRITORIAL INTEGRATION

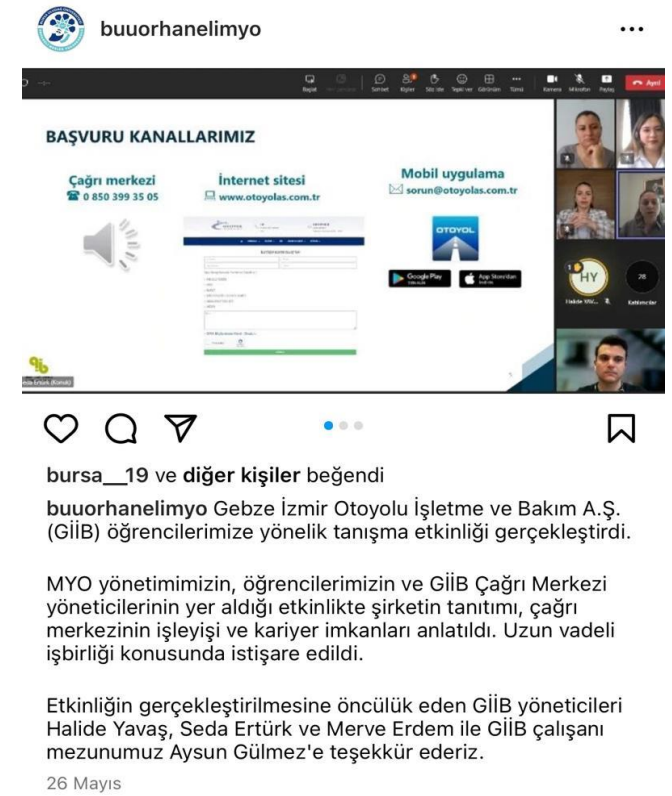
• YOUNG PEOPLE

- As a result of our partnership with Bursa Technical University, we included intern teammates in the 7-month internship program.
- We held meetings with the educators working at the university about which subjects our interns should do internships and how we can work most effectively. We have prepared a training program for interns that they can adapt to the job as soon as possible. And most importantly, we have actively integrated our interns into our summer busy schedule.
- When we look at the performance results, we observed that our **9 interns eased the workload up to 5 personnel capacity.**

«LEADERSHIP»

is one of our company values.

Keeping Up With The Age, Being Open To Change/Development,
Following The Technology,
Being Creative and Leading the Industry



Indicators

- Number and rate of interns within the company

3

COMMUNITY

3.1 ECONOMIC & SOCIAL COMMITMENTS

TERRITORIAL INTEGRATION

• YOUNG PEOPLE

- The average age of our toll collection back office employees is 30,81.
- Although the female employment rate in Turkey is 32%, 92% of our toll collection team is female.
- 34% of our total employees are under the age of 30.

• LOCAL COMMUNITY

- All of our employees are local and maximum lives **20 km** away.
- Our motorway project spans four cities and their surrounding towns. In both our recruitment and procurement processes, we prioritize supporting local residents and giving small businesses the opportunity to be involved. By doing so, we aim to create employment, strengthen local economies, and contribute to the sustainability of communities living in these regions.



Age Range	Number of Staff	%
18/25	93	11,77%
25/30	139	17,59%
30/40	345	43,67%
40/50	171	21,65%
50+	42	5,32%
Total	790	

Indicators

Average age of employees

Female employment rate within the company

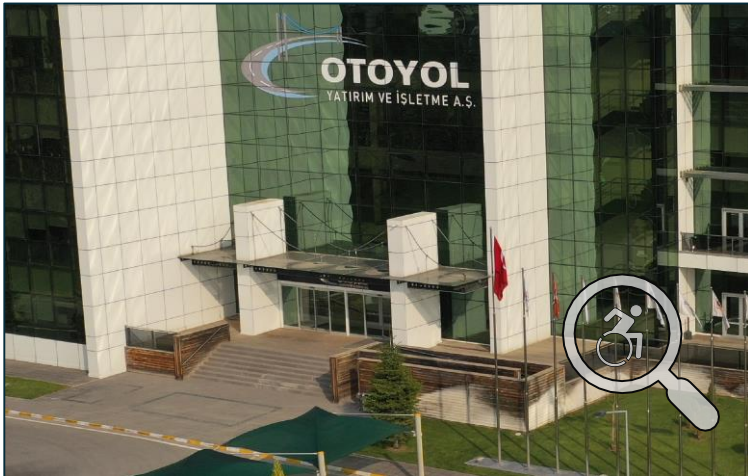
Average distance from employees' homes to their workplaces

3 COMMUNITY

3.1 ECONOMIC & SOCIAL COMMITMENTS

TERRITORIAL INTEGRATION

- **We support «barrier-free living»**
 - We support people with disabilities to lead a dignified life free from all forms of abuse and prejudice.
 - The main control center building has been designed in accordance with the working conditions of the disabled employee (toilet, ramp, elevator, etc.)
 - We are happy to contribute to the removal of barriers for 2 of our teammates.



3 COMMUNITY

3.1 ECONOMIC & SOCIAL COMMITMENTS

SOCIAL IMPACT

- **WELL-BEING of local populations**

- How do you involve local residents in the project?
 - Hiring through local authority (mukhtar) if needed. local employees are employed and preferred.
- What are your relations with the local community?
 - Complaints received from local authority (mukhtar) &/or community are evaluated and resolved. Local authority (mukhtar) &/or community is notified when complaint is resolved.
- Do you have actions with the local populations/ associations ? Volunteering...
 - Yes after earthquakes in southeast of Turkey in 2023 first aid truck was sent. 2 families awaiting rehousing and work were welcomed.
 - Solidarity for a disaster-stricken family of an employee with the donation of the money initially dedicated to womens' day.
 - Former IT devices were donated to associations and schools.
- Do you carry surveys, communication initiatives?
What are their main preoccupations?
 - No
- Do you provide a complaint service for the residents?
 - Yes, Complaint service is provided via web site, call center, mobile application, CIMER (Presidential Communication Center). Local residents can visit main control building and report complaints as well.

Indicators

- Number of local employees
- Number of received and resolved complaints from local authority &/or community.

3

COMMUNITY

3.1 ECONOMIC & SOCIAL COMMITMENTS

SOCIAL IMPACT

- **SPECIFIC ATTENTION to vulnerable communities**
 - Are you affected by this topic?*
 - No
 - Do you have actions implemented?
 - No

**The definition of « vulnerable » populations vary a lot from one region to another. We can name Indigenous people for AUS, First Nation People in the US...*

4 PARTNERS & SUPPLIERS

4.1 RESPONSIBLE

COLLABORATION

• CHARTS & POLICY

- How do you know and follow the corporate policies?

(Code of ethics, Code of integrity for partners and the new one : Responsible Purchasing Charter)

- Yes, within the scope of the Integrated Management System, we can access the company policy, vision, mission, values, ISO procedures and processes, all documentation that we have on Common Network/Software (M-Files) and follow the revisions.
- How do you use it/put them in place?
 - We perform and implement our work according to these created documents. We store and share documents so that all personnel can access them by software. In addition, we can access the portal of EGIS with our account, we also participate in online trainings and get informed.
- Do you have an action plan &/or measures reflecting your implication to be a responsible actor?
 - Regarding procurement of services and goods responsibilities are written on each contract. Code of ethics are given to each supplier/contractor.
- Do you have ethic alerts?
 - Yes, we have ethical rules that our Shareholders accept and enforce. In addition, ethic alerts are written on each contract and given to each supplier/contractor.
- Do you have blacklisted partners &/or supplier?
 - Yes we have blacklisted suppliers. These suppliers were added to that list because of non-compliance with contract rules , low quality products , not complying with the deadline , lack of after sales support.

Indicators

- Number of blacklisted supplier &/or contractor.
- Results of supplier &/or contractor evaluation

4 PARTNERS & SUPPLIERS

4.1 RESPONSIBLE

COLLABORATION

- **CHARTS & POLICY**

- Regarding our Purchasing Policy, I contacted our Purchasing Director to determine what can be done in order for you to spread it out more easily to suppliers (the 10th most important are a very good start, do you have an idea by when they could comply ?).

Just so you know, the current policy is not very restrictive but I keep you in touch on that subject.

- Responsible Purchasing Charter document is being adapted for Giib at the moment and will be sent to top 10 subcontractors which subjected to KYC process for signature.
- Responsible Purchasing Charter , Code of Ethics , Code of intergity were examined and reviewed and the ethics article in the form of contracts was revised and updated accordingly. Original contract clause 12 is in Turkish and attached document is translated for information. Only Turkish version will be signed by subcontractors. Revised parts are colored with yellow (attached e-mail English Ethics for subcontractors. _GiİB).

4

PARTNERS & SUPPLIERS

4.1 RESPONSIBLE

PURCHASE

- **RIGOROUS REQUIREMENTS**

- Do you promote purchases from fair &/or green suppliers?
 - Yes, we support local suppliers and prefer to make purchases from them in order to reduce transportation distances and durations. This action contributes the regional economies and provides them opportunities to make new investments such as low emission vehicles.
- Have you changed (or do you plan to) for more committed suppliers?
 - Yes, the same ethical values and rules apply to our suppliers and subcontractors as to our employees. These include integrity, fairness, and respect for the rights and obligations of all. We are working on increasing number of committed suppliers. In addition to ethical business practices, environmental management, gender equality, integrating people with disabilities and no discrimination are key factors.
- Do you have actions promoting circular economy?
 - Currently not

Indicators

- tCO2e
- Kg/t/lit of waste collected (Type: hazardous/non-hazardous)
- Kg/t/lit of waste recycled (Paper, plastic, glass, oil)

4 PARTNERS & SUPPLIERS

4.1 RESPONSIBLE

PURCHASE

- **OFFICE MATERIALS**

- What are the main materials used?

- Paper, pen/pencil, coffee/tea, plastic/paper cup, paper towel, toilet paper, soap, water
 - General office stationery supplies are used at our facilities such as folders, files, papers, notebooks.

- Do you have actions in order to reduce your consumption of plastic? Other?

- Yes, we are stopping to purchase potted water with PET plastic carboy and install water purifying machines at our facilities. The number of purifying will increase step by step. This helps to reduce large amounts consumption of plastics. Also we are replacing non-rechargeable batteries with chargeable ones to decrease amount of battery waste.

Indicators

- tCO2e
- Amount of main materials purchased
- Kg/t/lit of waste collected (Type: hazardous/non-hazardous)
- Kg/t/lit of waste recycled (Paper, plastic, glass, oil)

4 PARTNERS & SUPPLIERS

4.1 RESPONSIBLE

PURCHASE

- **ON FIELD MATERIALS**

- Do you have actions in order to reduce the amount of new resources used (ex: road signs made from X% of recycled material, spare parts...)? Less impacting materials?
 - Yes, our damaged steel guardrails and aluminium toll barriers are 100% recycled at the relevant facilities. New guardrails and barriers that we purchase are produced with %85 * recycled materials in Turkey.

**Bloomberg New Energy Finance, Decarbonizing Steel TR, 2021*

Indicators	
•	tCO2e
•	Amount of new resources purchased
•	Kg/m of recycled guardrail and barriers purchased

INNOVATION



BATTERY AND SOLAR SYSTEM ON PATROL VEHICLE

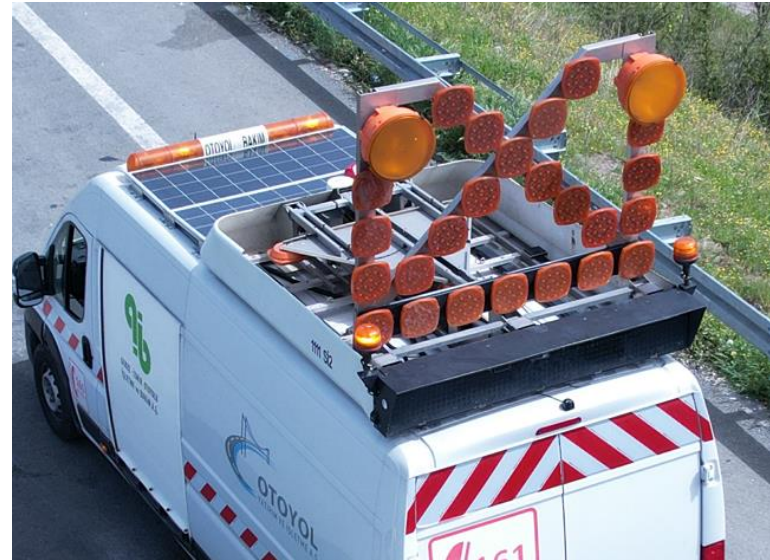


An additional buzzer and flashlights will be mounted on the trailer to the side facing drivers.

By this , It will also be possible to give warnings to drivers. This idea is under development , lumens of flashlights and decibel of buzzer will be choosen carefully.

In addition to this system, a battery system is installed to power the superstructure when the engine is off during incident responses of patrol vehicles.

Setup : 200A Gel batteries (100A x 2)



Consumption of diesel **decreased 25%** at the same vehicle.

On one patrol van , we installed Solar Panels and these batteries are being charged from solar energy. At the end of april we will get results for consumption changes.

All installations are made by Giib technicians at our facility.

Setup : 205W Halfcut Solar Panels x 2
Cloudy weather each panel charges 4A/h , total 8A
Aximum Sirius signalisation power consumption 160W (at max)
 $160W/24V = 6,6 A$

INNOVATION

DRONE PATROLLING



New innovation!!!

The VTOL Technology Unmanned Aerial Vehicle (drone), which will be Turkey's first and only motorway patrol, started test flights for motorway control.

Our first test was conducted on the Gebze Izmir Motorway. It is aimed to carry out inspections on the motorway faster.

Our test covered a horizontal distance of 7.3 km, and the area was controlled.



Our first long-range test flight is planned to be carried out on the Gebze Izmir Motorway, between the Main Control Center and Karacabey Toll Plaza, at a flight distance of approximately 60 km.

VTOL Properties

Altitude	: 4 Km (max.)
Distance (Linear)	: 200 Km (max.)
Flight Time	: 150 minutes (max. with cam)
Weight	: 18 kg
Wingspan	: 3,40m
Length	: 1,50m
Speed	: 80 km/h (operational) : 120 km/h (max)
Payload	: 3 kg (max.)
Battery	: 2 pcs (30.000mAh)
Temperature	: -10° C / +50° C

INNOVATION

S.A.V.E



Despite all precautions taken , accidents and dangers involving intervention and marking vehicles remain a concern and and safety risk for our employees.

We aim to minimize these dangers and risks by using S.A.V.E. System



These near miss examples are due to reasons such as drivers falling asleep/ being busy on the cellphone.

INNOVATION

S.A.V.E



Application on Patrol Vehicle

System

Alert

Vehicle

Evacuation

OBJECTIVES

- Primary Objective is to protect employee Health and Safety
- Securing work zones of staff
- To ensure the safety of vehicles and equipments
- Helping drivers have a safe journey by reducing the number of accidents

Save equipment is an early warning system developed by **Aximum** considering our needs.



ELECTRICAL VEHICLE



ENVIRONMENT

Dacia Spring will be the **first electrical vehicle** of GİİB. It will be used at Osmangazi Bridge's maintenances and inspections. Approximately **4.5 tCO₂** saving will be achieved yearly.



	Predecessor	New Electric
Brand	CITROEN	DACIA
Model	C3	Spring
Engine	1.6 BLUEHDI	48 KW
HP	75	65
Consumption/km	0,043 Lt/km	0,145 Kwh/km
Consumption/100km	4,3 Lt	14,5 Kwh
Emission	93 gr/km	
2023 Km	47.606	
2023 Emission	4.427.358 gr	

CARBON FOOTPRINT REDUCTION ACTIVITIES

JANUARY 2025

Repair of 100 Aluminum Toll Barrier



Toll Barrier

Category	Subcategory	tCO2e	Total tCO2e
Repair of 100 Aluminum Toll Barrier by routine maintenance department	4.1 - Purchase of raw materials/consumables/mains water	7,4	7,43
	3.1.2 - Transportation of Purchased Goods/Fixed Assets (Ton-km)	0,03	



Reduced by 7,43 tons of CO₂ equivalent

It corresponds to the 2.5 month toll barrier requirement



Toll Barrier Repair

This study was carried out with Egis' subsidiary Seaboost to install modules on the piles of the Osmangazi Bridge that will support the growth of marine biodiversity.



DRAFT PLANNING

Data Collection and Analysis

Design

Construction

Deployment

Monitoring

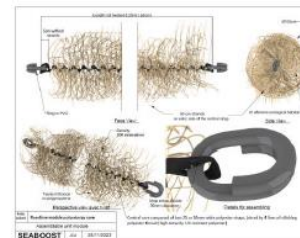
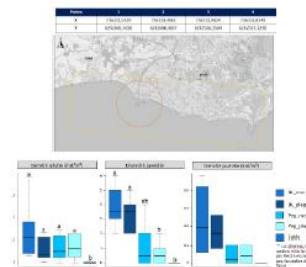
- Local biodiversity
- Construction constraints specific to Osmangazi bridge

- 3 preliminary designs
- selection of the preferred design by client
- detailed design

Construction & Delivery on site of the modules

Maritime intervention to install modules on the bridge. No drilling on the piles

Selection of a local university to monitor the modules for 3 years, produce scientific publications, pictures, videos



Osmangazi Bridge South Side



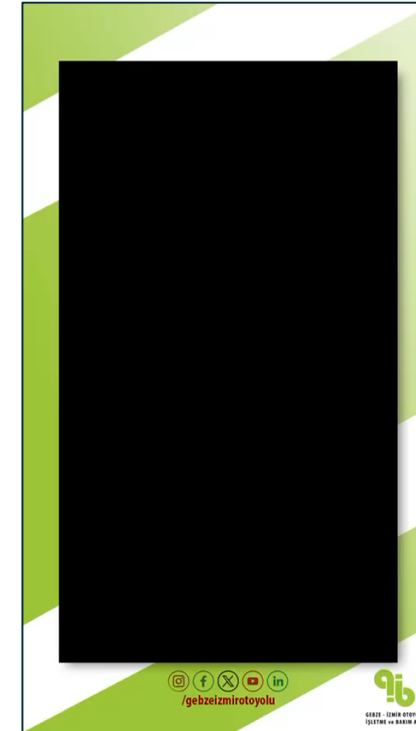
Osmangazi Bridge North Side

INTERNATIONAL WOMEN'S DAY



Happy March 8 International Women's Day!

We are grateful for your presence in our lives. We share with you the joy of contributing to the Pi Pembe İzler Kadın Kanseri Derneği (Women's Cancer Society), TOG Toplum Gönüllüleri Vakfı (Community Volunteers Foundation) and Yenidenbiz Derneği with this gift set that we compiled from the products of women producers in the earthquake zone.



International Women's Day
Social Media Post
08.03.2024

CONCERTS



100th Anniversary of Republic Day of Türkiye
Concert
29.10.2023



Commemoration Day of Atatürk
Concert
10.11.2023



Canakkale Wars Victory and Martyrs' Day
Concert
18.03.2024

We are proud to reach the **100th anniversary of our Republic**, to turn dreams into reality and to move forward with firm steps towards new goals, accompanied by the choir formed by our **38 volunteer** company employees. We commemorate with mercy and respect **our heroes of the War of Independence**, all our beloved martyrs and heroic veterans, especially **Mustafa Kemal Atatürk**, who gifted us the **Republic of Türkiye**.

CANCER AWARENESS TRAINING



We planned a training with **KETEM (Cancer Early Diagnosis Screening and Education Center)** to inform our female employees about early diagnosis of cancer, cancer prevention methods and the method of dividing our social amount. It is important to inform and raise public awareness in the fight against this cancer, which can be detected at an early stage. The activities to be carried out within the scope of the event aim to organize employees' breast cancer causes, indicators, screening, protection and early diagnosis information, direct them to screenings and inform their individuals. When the training was completed, cancer tests were distributed to our female employees over the age of 50 and the results were collected by our nurse.

As a company, we are proud to be a part of this event, seeing that early diagnosis can save lives (2024).



DIETITIAN SUPPORT



We think that providing dietitian support for company employees can help employees acquire healthy eating habits and improve their general health. This support will allow employees to become aware of nutrition and make more balanced meal choices. In addition, with individual recommendations given by dietitians, employees' energy levels can increase and their performance can be positively affected. This practice shows that our company cares about the health of employees while also increasing corporate efficiency.

Our dietitian is at the Main Control Center and O&M Centers on certain days of the week, and our employees are able to get support on the following issues by having one-on-one meetings with the Dietitian.

- Creating personalized nutrition plans
- Weight control and healthy weight loss/gain strategies
- Appropriate nutrition programs for chronic diseases (diabetes, hypertension, thyroid, etc.)
- Nutritional tips that will increase your energy levels and improve your performance
- General nutrition advice and healthy living tips

MEETING OF EMPLOYEE



Our Deputy General Manager, along with the Human Resources team, conducted a field visit, providing an opportunity to engage directly with employees. The purpose of this visit was to listen to the challenges faced by our staff, observe working conditions firsthand, and gather feedback to improve processes. These interactions in the field created a constructive environment where employees could express themselves openly, fostering a solution-oriented approach. The Deputy General Manager emphasized the importance of such visits to better understand the contributions of field employees and to take steps aligned with their needs.

After the Deputy General Manager visited the field and listened to the employees, the following changes were made based on their complaints:

- Increase in meal allowances
- No deduction in wages for annual leave, health reports, or official holidays
- Increase in social activities, «Breakfast, Barbecue events, etc,»
- These changes aim to improve employee satisfaction and work-life balance.

BREAKFAST EVENT



The company breakfast event was organized to provide an opportunity for our employees to come together, fostering connections and strengthening internal communication outside of the usual work environment. In a friendly and informal setting, employees from various departments had the chance to meet and interact, reinforcing our company culture and boosting overall motivation. The diverse breakfast menu offered a delightful start to the day, energizing our team. These social events play a crucial role in promoting collaboration and team spirit, positively impacting employee morale and productivity.

BBQ EVENT



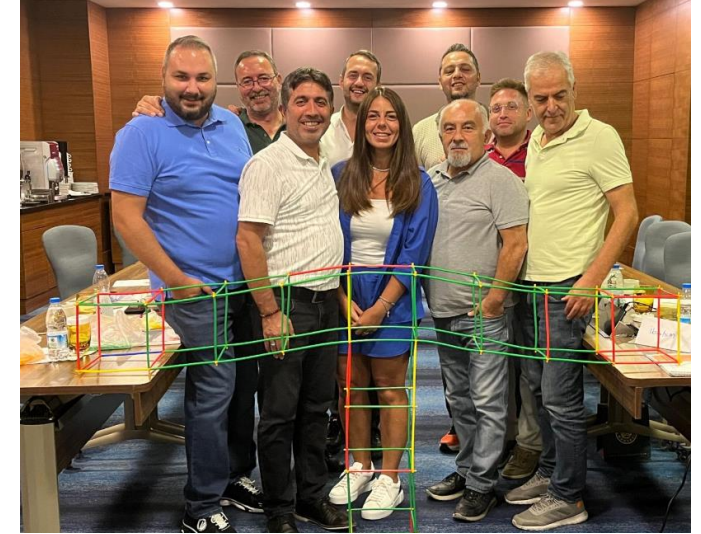
In order for our employees to come together outside of work, strengthen their bonds and reduce stress, we organized a barbecue event for all company employees at the end of the year. We made the arrival of the new year unforgettable with meals at all our Toll Plazas and O&M Centers.

WORLD CLEANUP DAY EVENT



As part of World Environment Day, we organized a meaningful environmental event in collaboration with the LetsDolt social welfare organization and our company employees. Aimed at raising awareness about environmental responsibility and preserving nature, this event allowed our employees to fulfill their social duties while taking concrete steps against environmental pollution. Various activities such as cleaning campaigns, recycling workshops, and tree planting initiatives were carried out, contributing positively to the environment. On this significant day, we not only reinforced our commitment to the environment but also experienced the power of inter-organizational collaboration and sensitivity toward nature.

TEAM LEADERSHIP AND MANAGEMENT TRAINING



A team leadership and management training program was organized for our company's managers with the aim of enhancing leadership skills, strengthening team management strategies, and increasing corporate success. Throughout this training, participants focused on key management techniques such as effective communication, motivation, problem-solving, and decision-making, honing both their theoretical knowledge and practical skills. Additionally, innovative approaches to leadership and effective feedback methods for optimizing team performance were emphasized. This program will contribute to our managers' ability to achieve both individual and corporate goals more effectively.

3 DECEMBER

International Day Of Persons with Disabilities

- As part of the **International Day of Persons with Disabilities on December 3**, we, as the **Gebze-İzmir Motorway Operations and Maintenance Inc. family**, organized a meaningful event in collaboration with one of Bursa's leading educational institutions, the **Özel Nilüfer İlk Bursa Special Education and Rehabilitation Center**. This special event was held with the vision of creating a society where individuals with special needs have equal opportunities and aimed to contribute to social integration processes.
- Together with the expert team and advanced infrastructure of the education center, we enjoyed a day filled with activities that supported the independent living skills of children and raised social awareness. During this event, not only individuals with special needs but the entire community came together to experience the power of solidarity and love.
- As **Gebze-İzmir Motorway**, we are deeply honored to be part of this social responsibility initiative and to support children in taking another step closer to their dreams. Aligned with our mission to provide equal opportunities for every member of society, we are committed to leading similar meaningful projects in the future.



3 DECEMBER - International Day Of Persons with Disabilities



Özel Nilüfer İlk Bursa Special Education and Rehabilitation Center
Bursa/TURKEY

Make A Wish Türkiye

- At GİİB A.Ş., we believe in the power of dreams and the deep impact of standing by those who need it most. With great love and commitment, we partnered with Make-A-Wish Türkiye to bring joy to Rümeyşa — a courageous young girl bravely fighting a life-threatening illness. Thanks to the heartfelt initiative of our Financial Affairs and Human Resources Manager, Necmiye Erkan, we carefully planned every detail of this journey based on her health condition and her doctors' guidance.
- Her greatest wish was to have an electric bicycle, along with books she loves and a chance to explore her passion for archery. While we couldn't deliver the gifts to her in person due to medical reasons, we made sure our hearts reached hers — through thoughtful presents and a letter filled with love, encouragement, and hope.
- We extend our deepest gratitude to our General Manager, Mr. Cengiz Coşkun, and Deputy General Manager, Mr. Melih Şiviloğlu, for their touching support. Seeing Rümeyşa's smile, even from afar, has been our greatest reward — a reminder that even the smallest act of kindness can light up a life.



April 23rd National Sovereignty and Children's Day

- We combined April 23rd National Sovereignty and Children's Day with World Book and Copyright Day, which coincides on the same date, to launch a meaningful social responsibility project. In collaboration with Otoyol Yatırım ve İşletme A.Ş., Egis in Türkiye, and the Gebze–İzmir Motorway team, we organized a book donation campaign where our employees collected gently used children's and young adult books from their homes.
- Thanks to the wholehearted participation of our teams, hundreds of books were gathered in a short time and delivered to Kabakdere Primary and Secondary Schools, located in the rural village of Kabakdere in Balıkesir. In doing so, we not only celebrated this special day together but also contributed—however modestly—to the educational journey of students in a village school by improving their access to books. We are proud to promote reading habits and to bring joy, imagination, and inspiration to children's lives.
- We extend our heartfelt thanks to all our colleagues who supported this beautiful initiative with great sincerity.



**BİR KİTAP
BİR GELECEK**

Bir kitap bağışla
Bir çocuğun dünyasını değiştir!

Gebze - İzmir Otoyolu, Otoyol AŞ ve Egis Türkiye olarak birlikte düzenlediğimiz kitap bağış kampanyasıyla, çalışanlarımız evlerinde okumadıkları kitapları bir araya getirdi. Bu kitapları Balıkesir'in Kabakdere Köyü'nde bulunan Kabakdere İlkokulu ve Kabakdere Ortaokulu öğrencilerine ulaştırarak, hem 23 Nisan Ulusal Egemenlik ve Çocuk Bayramı'nı değerlendirdik hem de çocuklarımızın eğitim yolculuklarına küçük bir katkıda bulunmak istedik.



GEBZE - İZMİR OTOYOLU
İŞLETME ve BAKIM A.Ş.

ENVIRONMENT

5th June World Environment Day

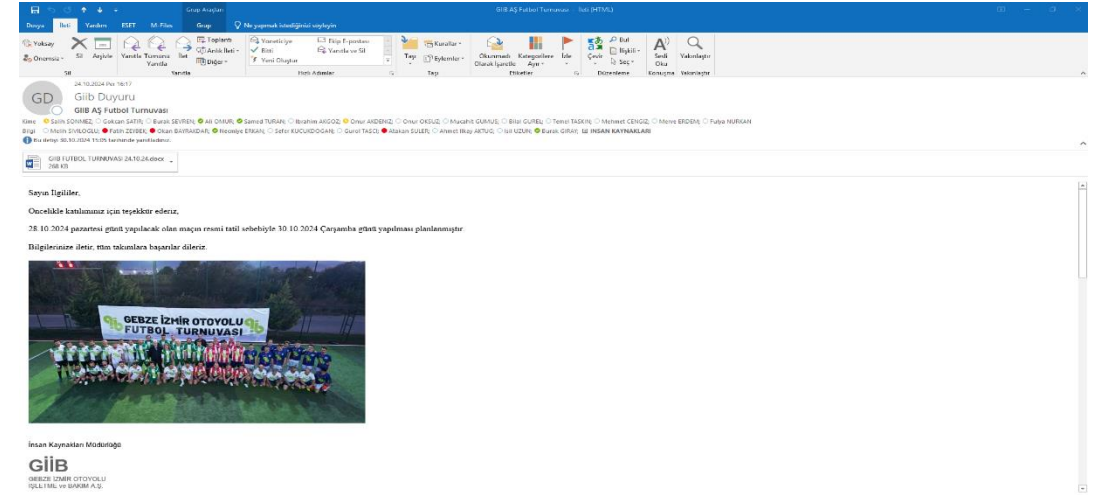
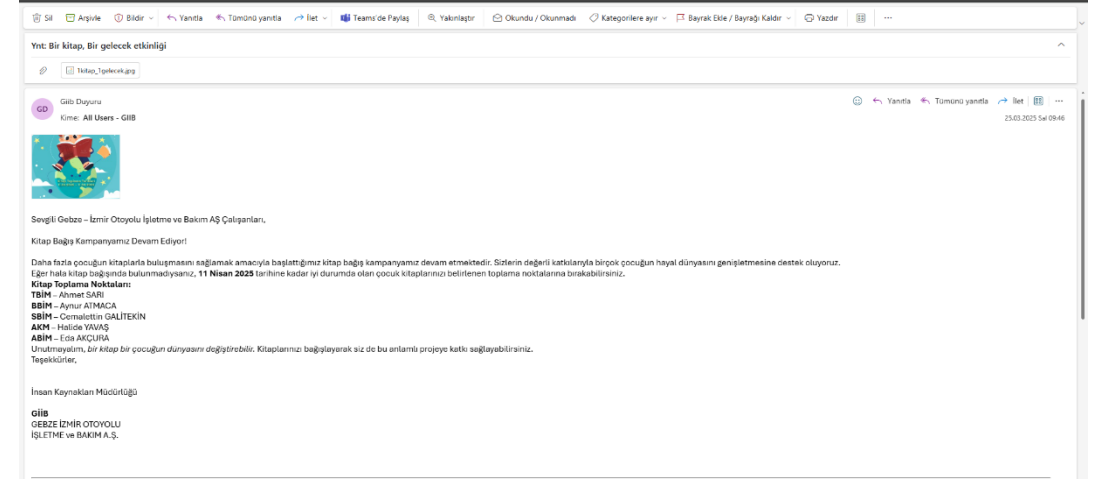
- To celebrate World Environment Day 2025 and reinforce our commitment to environmental sustainability, we organized a comprehensive and meaningful series of activities within our GİİB and Egis Tunnel projects.
- As part of this, we held a tree planting event at the GİİB Altınova Maintenance and Operations Center on Wednesday, June 4th, at 10:30 AM. Through this event, we not only contributed to nature but also demonstrated our determination to leave a greener and more livable world for future generations.
- Our colleagues participated in the event with great enthusiasm and dedication, and we captured these moments in photographs, which have been shared via a dedicated link accessible to all our employees. Additionally, to raise environmental awareness, we designed three different posters based on the ideas and contributions of our teams.
- To ensure the sustainability of these efforts and maintain engagement, we also shared daily environmental messages throughout the week. Through these activities, we supported knowledge sharing and contributed to strengthening environmental sensitivity within our organization.



The Role of Internal Announcements in Organizational Communication

Internal announcement emails are one of the key pillars of our company's strong and structured communication network. They ensure that all employees receive accurate and timely information simultaneously, enhancing transparency and coordination across the organization. As a result, updates regarding managerial decisions, events, or processes are shared promptly, keeping everyone informed about the company's overall operations.

Regular and effective announcements help employees feel informed and included, which in turn strengthens their sense of belonging. The active use of internal communication channels prevents potential misunderstandings or information gaps, creating a more efficient and cohesive working environment. This structure directly contributes to reinforcing corporate culture and increasing collaboration.



Investing in Leadership Excellence

The leadership training programs organized twice a year for our managers aim to enhance leadership competencies, improve team management effectiveness, and strengthen strategic thinking skills. These trainings play a vital role in helping our leaders adapt to the evolving dynamics of the business world and keep their leadership approaches up to date.

The training content covers key areas such as communication, decision-making, conflict resolution, motivation, and performance management. By investing in the development of our managers, we not only support more efficient team operations but also ensure the sustainability of a strong leadership culture within the organization. As a result, our managers are better equipped to face challenges with a visionary and well-informed perspective.



RESPONSIBLE PURCHASING CHARTER



Responsible Purchasing Charter and Code of Ethics has been examined and implemented. Ethics clause, which is clause 12. in all active contracts, have been updated accordingly.

Revisions :

12.1. The words embargo and sanctions have been added.

12.2. Financing terrorism has been added.

12.4. The sections regarding gifts, hospitality, sponsorship, patronage and political contributions have been collected and added into a single article.

12.6. An article regarding Intellectual Property has been added.

12.8. The Contractor will not discriminate against any of its personnel due to gender, religion, sect, political opinion, race, age and similar reasons and will take utmost care to protect the physical, sexual and emotional immunity of its personnel , added.

12.9. The relevant article has been added, emphasizing environmental awareness and sensitivity and stating that Contractor should act sensitively.

KYC: Top purchase list of companies for services and goods are being sent separately to Egis headquarter.

2024 ESG Results

Network Champions

Road

- **A24** (3,72/5)
- **Egis Infraestructura** (3,62/5)
- **GIIB** (3,37/5)
- **Bonaventura** (3,32/5)
- **A63** (3,26/5)

Airport

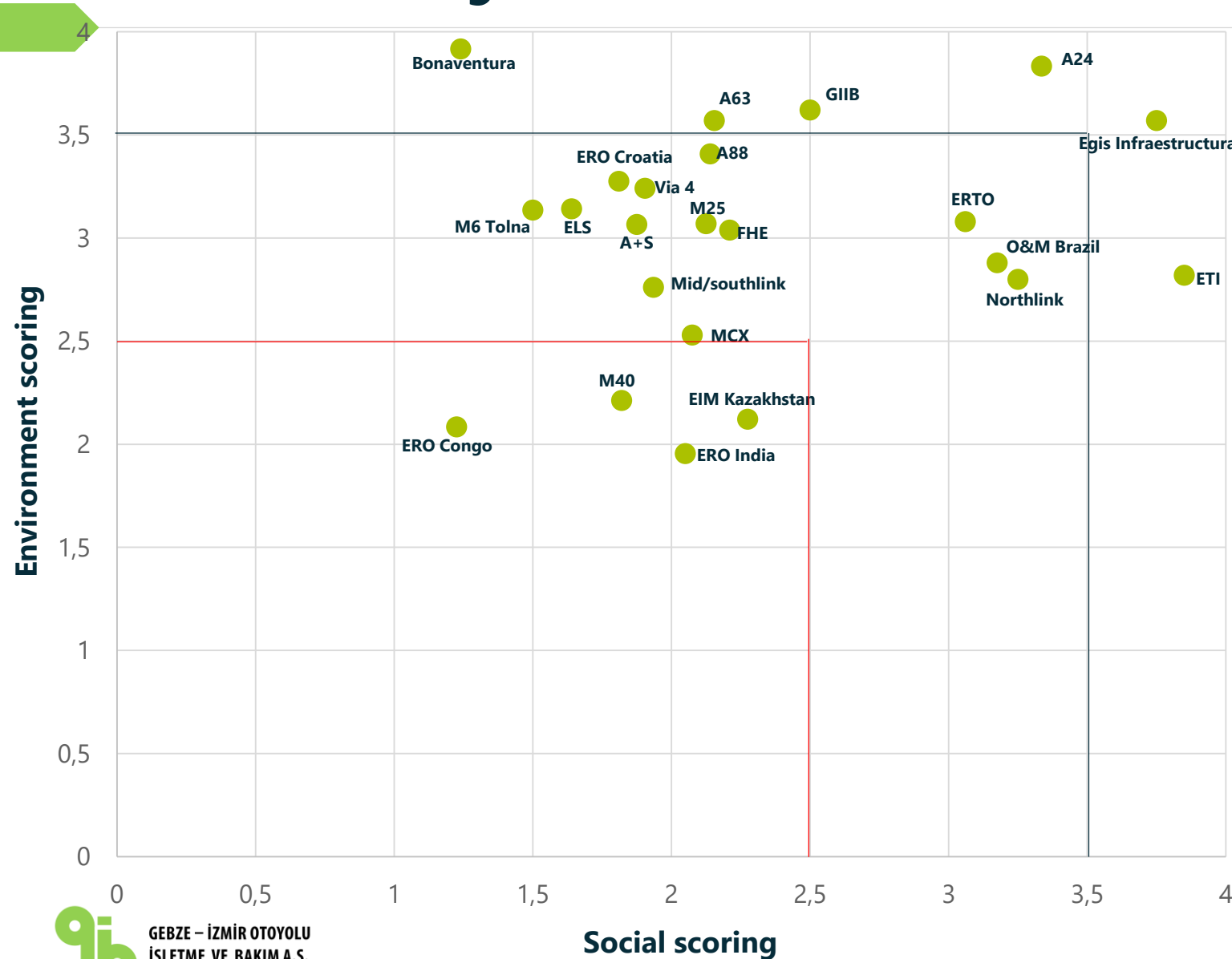
- **AERIA** (3,63/5)
- **Hermes** (3,59/5)
- **AERCO** (2,6/5)
- **Bellova** (2,56/5)

Projects not contributive (under 2,5)

MCX (2,48/5)
EIM Kazakhstan (2,16/5)
ERO India (2,15/5)
M40 (2,13/5)
ERO Congo (1,89/5)

Air'Py (2,27/5)
Bergerac (2,19/5)
Ostende (1,89/5)
Antwerpen (1,56/5)
ADT (1,48/5)
Bora-Bora (0,79/5)

ESG Maturity



Under 2,5 : Not contributive
Above 3,5 : Network champions

2024 KEY POINTS

0 phyto in **69%**
O&M Companies

PV panels in **50%**
Road O&M Companies

Climate Awareness action **>70%**
O&M Companies

ESG training **>70%**
O&M Companies

Decarbonisation Action Plan in **100%**
Consolidated Road O&M Companies

Social actions towards communities in
>80% O&M Companies

- Egis Global Average is **above external benchmark** scoring with 2,67/5

	SDG 5 Gender Equality	SDG 6 Clean Water & Sanitation	SDG 7 Affordable & clean energy	SDG 8 Decent Work & Economic Growth	SDG 9 Industry, Innovation & Infrastructure	SDG 11 Sustainable cities & communities	SDG 12 Responsible Consumption & Production	SDG 13 Climate Action	SDG 15 Life on Land	Average
Egis Global Average 2024	1,85	3,07	2,85	2,44	2,9	3,22	2,75	3,5	1,49	2,67
Egis Road Average 2024	1,97	3,25	3,28	2,66	3,13	3,22	2,92	3,63	1,57	2,85
Egis Airport Average 2024	1,58	2,64	1,81	1,91	2,33	3,22	2,34	3,18	1,30	2,26

- Still **ESG pillars to reinforce** to remain competitive :
Environment - Beyond decarbonation, **biodiversity, resources** & pollution
Social - Beyond Health & Safety, **Diversity,Equity & Inclusion** (DEI)
- For Road O&M, because of our activities and specific role as an operator, need to **work** more
hand in hand with the concessionnaire especially regarding **waste** and **resilience**

GIIB TURKEY – Not consolidated

SDG	Score 2024	Global Average 2024
5. Gender equality	2.5	1.88
6. Clean water and sanitation	5	3.07
7. Affordable and clean energy	2.45	2.85
8. Decent work and economic growth	2.5	2.45
9. Industry, innovation and infrastructure	4	2.9
11. Sustainable cities and communities	2.6	3.22
12. Responsible consumption and production	4.5	2.75
13. Climate action	4.8	3.5
15. Life on land	2	1.5

2024 SIMPL Scoring : **3,37/5**

GEBZE – İZMİR OTOYOLU
İŞLETME VE BAKIM A.Ş.

Current Strength

Climate (Decarbonation action Plan LEDs, patrol optimization with drones)
Responsible resources consumption (brine instead of dry salt, water collector, green electricity contract)
0 phyto

Smart Practice

PV panels on vehicles, GRESB, ISO 14064 (carbon), ISO 14046(water), Good share of recycled waste (O&M center)

2025 ESG Action Plan (upd. post Q1 meeting)

- Implement **energy actions** to reduce carbon footprint (scope 1-2-3) following Egis goals : PV panels on 8 more vehicles planned in 2025,
- **GRESB** submission to achieve at least the same score : end Q1, application file in progress
- **Discuss with the SPV** to deepen the **Climate Risk assessment** (high level analysis made in 2024)
- Continue to implement more social actions towards employees and communities
- Deploy the **Responsible Purchasing Charter** and ensure it's signed by all main suppliers : Done in Q1, as well as Code of Ethics; Document regarding suppliers (in progress by Isil) including ESG criteria

Medium term suitable improvement

- **Biodiversity certifications** and actions to limit impact on land (7314000000 m² greenspace)
- Continue **LEDs** transition (need financial support)
- **DEI** initiatives (awareness action, mentorship)
- E-vehicle for shuttle : not planned for 2025, possibly in 2026 ?



GEBZE - İZMİR OTOYOLU
İŞLETME ve BAKIM A.Ş.

Işıl UZUN

QSE Manager

Armutköy Mh. Nil Cad.
No:8 Osmangazi
BURSA

+90 224 600 77 50
+90 549 814 90 25
isil.uzun@giib.com.tr

www.giib.com.tr

