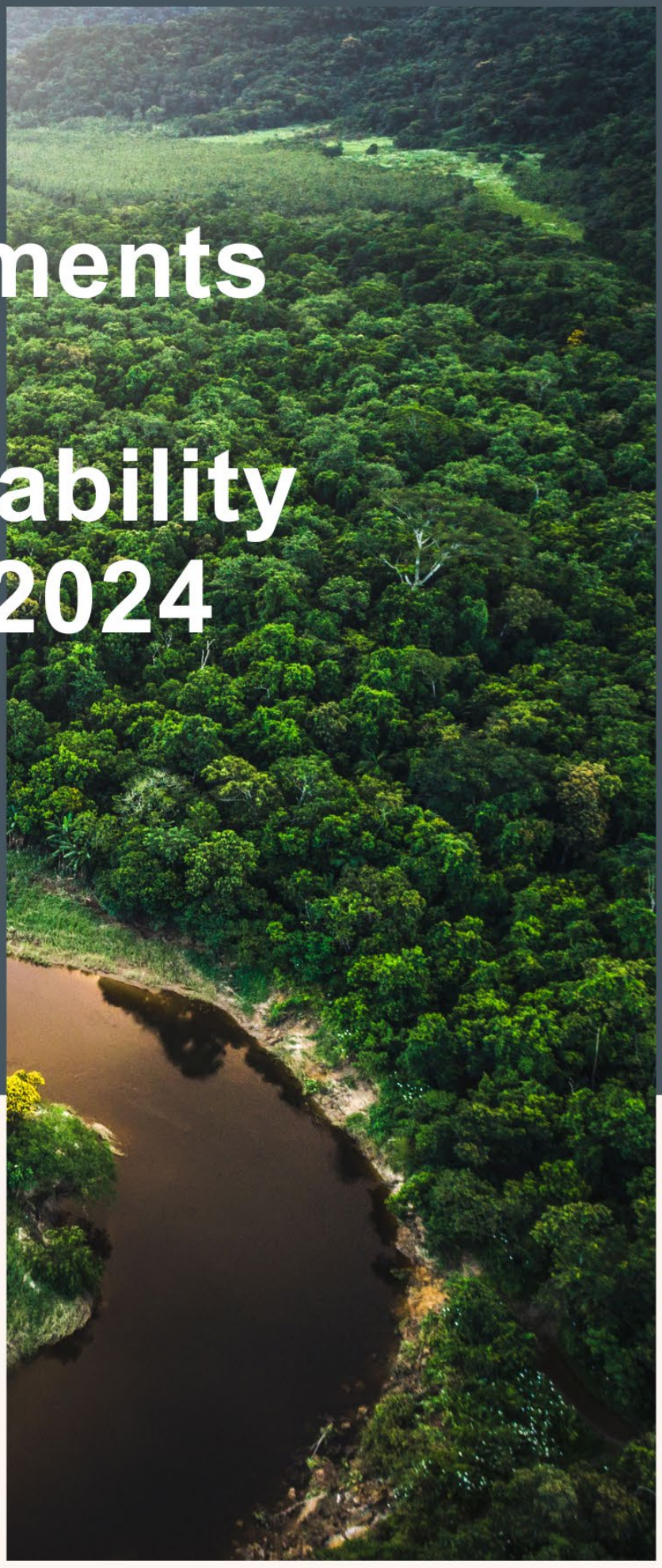
Supplements to the Sustainability Report 2024



ams OSRAM

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Introduction

While our Sustainability Report is our central document for sustainability reporting, in our stakeholder dialog we found out that some stakeholders seek additional information. As this information is neither material nor requested by all relevant stakeholders, we decided to publish this supplementing document.

Boundaries

In keeping with the consolidated financial statements and the sustainability report, the reporting period for this supplement is from January 1 to December 31, 2024.

Unless otherwise stated, this report includes all fully consolidated companies in the consolidated financial statements and the sustainability report.

The data presented here is not within the assurance process for the Sustainability Report 2024.

1. Environment and Climate

1.1. Biodiversity Risk Assessment

Reflecting global policy developments, such as COP15 and the Post-2020 Global Biodiversity Framework, and related market initiatives, ams OSRAM recognizes biodiversity as an increasingly important sustainability issue. Despite not being a material topic (see ams OSRAM Sustainability Report, 3.2.2 Materiality Analysis), we have initiated steps to understand and mitigate our impact on biodiversity.

Biodiversity Risk Assessment Approach

To assess biodiversity-related risks, we employed several tools:

- WWF Biodiversity Risk Filter: This tool enables us to identify hotspots across our operational locations, providing spatially explicit data on biodiversity and freshwater at a global scale. It offers location-specific and industry-specific assessments of biodiversity-related physical and reputational risks, considering factors like the state of ecosystems, the presence of endangered species, and the impact of human activities.
- Natura 2000 Network Viewer Tool: This tool provides data on Sites of Community Importance and Special Protection Areas within the European Natura 2000 network. By incorporating information from both tools, we gain a comprehensive understanding of our impact on biodiversity. The Natura 2000 tool supplements the WWF Risk Assessment Tool results, offering additional insights into our interactions with protected areas.
- Integrated Biodiversity Assessment Tool (IBAT): Utilizing the free version of IBAT, we identified biodiversity sites close to our production sites in Asia and the United States. Based on this mapping we then identified biodiversity-sensitive areas within a 10km radius in Asia.

We continue to seek improvements in our mappings for the US and Asia to ensure the same level of accuracy as achieved with EU sites using Natura 2000.

Geographical Footprint and Biodiversity Impact

Our major operational sites are located in Asia, Europe and the United States. We conducted a biodiversity risk assessment for all these sites using the WWF tool, and for our EU sites, we used the Natura 2000 tool. This dual approach helps us to identify and understand potential dependencies and impacts on surrounding nature and communities. For Natura 2000 sites within a 10 km range, we evaluated the existence of management plans by municipalities. Our initial assessment revealed that our sites have minimal impact on these protected areas.

Environmental Compliance and Initiatives

While we currently do not have specific biodiversity policies, we comply with all local regulations and conduct Environmental Impact Assessments (EIAs) where required. Although we do not have ongoing biodiversity conservation or restoration initiatives, we ensure our operations adhere to stringent environmental guidelines. All production facilities and the headquarters in Premstaetten (Austria) have an environmental management system that is certified to the international standard ISO14001.

Results and Metrics

We mapped all our sites using the WWF Biodiversity Risk Filter and identified no major risks. Additionally, we mapped the proximity of our EU and Asia sites to biodiversity-sensitive areas using a 10km buffer zone. This range was determined to be most suitable based on literature. For Natura 2000 sites within this range, we evaluated the existence of management plans by municipalities. Our initial assessment revealed that our sites have minimal impact on these protected areas. The results of these assessments are shown in the table below.

Overlaps with protected areas 2024

Location (country)	Type of protection	amount (in numbers)
Austria	Habitats directive sites	1
China	no data available	
Czech Republik	Birds directive sites, Habitats directive sites	2
Germany	Birds directive sites, Habitats directive sites	42
Malaysia	No biodiversity sensitive area within the defined scope	0
Philippines	Terrestrial and Inland Waters Protected Areas	2
Singapore	Terrestrial and Inland Waters Protected Areas	2
Slovakia	Birds directive sites, Habitats directive sites	4
United Kingdom	Terrestrial and Inland Waters Protected Areas	3

As part of our commitment to sustainability, we will continue to monitor our biodiversity impact regarding our sites and update our analysis in due time.

1.2. Product Sustainability

With our innovative portfolio we help our customers to achieve their own sustainability goals by continuously working to improve the energy efficiency of our products and to minimize their environmental footprint. It is the use phase of our products that is most relevant in terms of impact across our value chain. Improving energy efficiency is therefore a key criterion in our customers' purchasing decisions and satisfaction, particularly in the area of light sources (see ams OSRAM Sustainability Report 2023, 4.2.4 Green Tech Development). We strive for transparency in this area, e.g. with our LCAs (see ams OSRAM Sustainability Report 2023, 2.2.1 Impact of our Business Model). However, here's an example regarding potential CO2 savings.

Daytime running light

In 2020: If all **daytime running lights** of registered cars in Germany were equipped with the **OSLON Compact PL** LED technology (instead of using Halogen technology), an impressive **1.894.207kg* of CO_2** could have been saved.

View on real lamp level – 1:1 interchangeable

1	**LED daytime running light 12V T20 LEDW5/21W**		3,91 W		
2	**Halogen bulb Daytime running light W5W 12V 5W**		5 W		
	Difference		1,09 W		
	LED savings compared to halogen		22%		
	relative usage time daytime running light according to Audi specification	63%			
	Average car speed (day) - data from study (Audi)	33km/h	The average speed is used to determine how long the light was operated		
	100 000Km * 0.63 / average speed		1909,1 hours		
	Saved energy / lamp		2080,9 Wh		
	per vehicle x2		4161,8 Wh		
	Dynamo efficiency (Audi)	45%	9248 Wh		
	Efficiency of combustion engine (Audi)	40%	23,1 kWh		
	in one liter of petrol (calorific value) - theoretical energy content (calorific value) of one liter of petrol	8,5 kWh/l	2,72 l /100000km	per vehicle	0,0000272 l/km
	CO2 emissions per km: 95g (fleet target value for new cars - EU specification)		**0,0025841g per km LED equipped vehicle / saving**		

Extrapolation: domestic mileage 2020

		Gram	Kilo	
Total motor vehicles: 733014 million kilometers - see source		733.014.000.000		*By completely converting just the daytime running light function from halogen to LED technology, Germany would save almost 1,900 tons of CO2 per year.*
Assumption of lower CO2 consumption - proportion of LEDs in all vehicles (based on daytime running lights only)	100%	1.894.207.479	1.894.207	

Reference 1: Example luminaire

or https://www.benzinfabrik.com/de/led-tagfahrlicht/led-tfl-fuer-vw/6798/30er-smd-led-tagfahrlicht-und-standlicht-fuer-vw-up-seat-mii-skoda-citigo-weiss

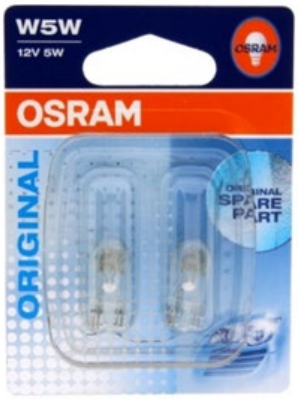
13.2V * 0.28A = 3.7W **12V * 0.28A = 3.36W**

Info:
Es handelt sich NICHT um Originalprodukte von VW/Seat/Skoda! Das angebotene Produkt ist lediglich kompatibel mit o.g. Fahrzeugen!

Lieferumfang:
2 30er SMD LED Hochleistungsleuchtmittel. T20 LEDW5/21W 2 Lichtstufen

STVZO:	Off-Road und Rennsport, mit Einzelabnahme im Straßenverkehr zugelassen
Farbtemperatur:	5500 Kelvin
Helligkeit:	6
LED Aufbau:	30x5050 SMD LED
Stromaufnahme bei 13,7V DC:	0,28A
Lichtleistung:	550 Lumen (weiß)
Sockel:	T20 W21/5W
Spannung:	11,5 - 15,8 Volt DC
Abstrahlverhalten:	360° rund
Canbuskompatibel:	ja (ohne integrierte Widerstände)
Dimmbar:	ja
Größe LxB gesamt:	48x20mm
Größe LxB LED Aufbau:	25x20mm
Lebensdauer:	50000 Stunden

Reference 2



Audi Specification Table: per vehicle

	connecting power Watts per vehicle at 13,2 V	connecting power Watts per vehicle at 13,2 V	% savings with LED	Difference Watt	relative usage time in %	% savings Watt/km
function	**konventionell**	**LED 2012**				
low beam	136	66	51	70	33	23
high beam	136	40	71	96	3	3
daytime running light	50	14	72	36	63	23
position lamp	14	2	86	12	35	4
front turn indicator	50	10	80	40	14	6
side marking lamp	14	2	86	12		0
side marking lamp	14	2	86	12		0
rear turn indicator	50	10	80	40	14	6
license plate	24	2	92	22	35	8
backup lamp	50	4	92	46	1	0
CHMSL	50	4	92	46	10	5
stop lamp	50	10	80	40	10	4
tail lamp	14	2	86	12	35	4
sum	**652**	**168**	**74**	484		85

Figure 3: weighted savings by usage of LED in exterior lighting

Table: per luminaire

Table 2: Baseline wattages for each function in the two systems

Function	Power per lamp (W)	
	Traditional system	LED system
DRL, dedicated	22.9	11.4
Low beam	56.2	54.0
High beam	63.9	34.4
Parking/position	7.4	1.7
Turn signal, front	26.8	6.9
Side marker, front	4.8	1.7
Stop	26.5	5.6
Tail	7.2	1.4
CHMSL	17.7	3.0
Turn signal, rear	26.8	6.9
Side marker, rear	4.8	1.7
Backup/reverse	17.7	5.2
License plate	4.8	0.5

2.4.1 Vehicle efficiency (kW·h/km)

Table 3 shows the efficiency values that were used in the calculations.

Table 3: Efficiency values used in the consumption and power-savings calculations.

Variable	Value used
Alternator efficiency[1]	45%
Engine efficiency[1]	40%
Electrical output, gasoline engine[1]	1.6 kW·h/L
Fuel efficiency, gasoline engine[2]	8.5 km/L (20 mpg) = 0.19 kW·h/km (0.30 kW·h/mile)
Fuel efficiency, electric vehicle[3]	0.10 kW·h/km (0.17 kW·h/mile)

[1] Kassakian, Wolf, Miller, and Hurton (1996)
[2] Typical efficiency for U.S. vehicles (DOE, 2008)
[3] Average of efficiency values from Tesla (2008) and Edmunds (2008)

2. Social

For information on our management approach in terms of topics related to our own employees please check our ams OSRAM Sustainability Report 2023, 6.0 Responsibility to Employees. Here we provide additional data.

By July we will also provide additional data, e.g. in terms of gender.

2.1. Corporate Citzenship

Social Contribution by Category
in million EUR

	2024		2023		2022	
Cash contributions	0,559	80 %	0,9	84 %	2,1	79 %
In-kind giving product or services donations, projects/partnerships or similar	0,035	5 %	0,1	6 %	0,4	17 %
Time employee volunteering during paid working hours	0,000	0 %	0,0	0 %	0,0	0 %
Management overhead	0,100	14 %	0,1	11 %	0,1	4 %
Total contribution	**0,7**		**1,1**	**100 %**	**2,7**	**100 %**

2.2. Employee Support Programs

At ams OSRAM, we are aware of our responsibility as an important employer in the regions where we operate our own sites. Accordingly, we continued to offer comprehensive internal and external training and development opportunities for all of our employee groups during the past year, and are committed to training apprentices in various professions.

Various **Employee Groups** provide all employees with the opportunity to exchange ideas on specific topics or aspects of diversity. For example, local initiatives such as the 'Internationals Table', 'Diversity Walk', and 'Women Connect Austria' – designed specifically for women – are offered. These initiatives are intended to strengthen the sense of belonging, provide opportunities for networking and exchange, and create an inclusive atmosphere.

A special focus lies on **Mental Health**. As a company, we strive to ensure that our employees feel safe and supported by focusing on awareness, prevention and early intervention. In other words, we can only be successful if we all take care of ourselves and each other, regardless of our role or position, take care of ourselves and each other. Here we offer various first aid and consulting contacts that can be contacted anonymously, webinars, trainings and events to raise awareness.

3. Governance

We will update Supplier information in July the latest.

For more information see the governance section of our sustainability report 2024.