Select from:
☑ ISAE3000

(7.9.2.8) Proportion of reported emissions verified (%)

100

Row 2

(7.9.2.1) Scope 2 approach

Select from:
☑ Scope 2 market-based

(7.9.2.2) Verification or assurance cycle in place

Select from:
☑ Annual process

(7.9.2.3) Status in the current reporting year

Select from:
☑ Complete

(7.9.2.4) Type of verification or assurance

Select from:
☑ Limited assurance

(7.9.2.5) Attach the statement

ams OSRAM EN Annual Report 2024.pdf

(7.9.2.6) Page/ section reference

pp. 129-130

(7.9.2.7) Relevant standard

Select from:
☑ ISAE3000

(7.9.2.8) Proportion of reported emissions verified (%)

100
[Add row]

(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Row 1

(7.9.3.1) Scope 3 category

Select all that apply
☑ Scope 3: Purchased goods and services
☑ Scope 3: Capital goods
☑ Scope 3: Upstream transportation and distribution
☑ Scope 3: Business travel

(7.9.3.2) Verification or assurance cycle in place

Select from:
☑ Annual process

(7.9.3.3) Status in the current reporting year

Select from:

☑ Complete

(7.9.3.4) Type of verification or assurance

Select from:
☑ Limited assurance

(7.9.3.5) Attach the statement

ams OSRAM EN Annual Report 2024.pdf

(7.9.3.6) Page/section reference

pp. 129-130

(7.9.3.7) Relevant standard

Select from:
☑ ISAE3000

(7.9.3.8) Proportion of reported emissions verified (%)

100
[Add row]

(7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Select from:
☑ Decreased

(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

Change in renewable energy consumption

(7.10.1.1) Change in emissions (metric tons CO2e)

35500

(7.10.1.2) Direction of change in emissions

Select from:
☑ Decreased

(7.10.1.3) Emissions value (percentage)

12.1

(7.10.1.4) Please explain calculation

The Wuxi, CN, site increased its green electricity to 22% in 2024 and the rest is from nuclear sources.

Other emissions reduction activities

(7.10.1.1) Change in emissions (metric tons CO2e)

2100

(7.10.1.2) Direction of change in emissions

Select from:
☑ Decreased

(7.10.1.3) Emissions value (percentage)

0.7

(7.10.1.4) Please explain calculation

All ams OSRAM production sites drive energy efficiency as part of their environmental programs. All measures are judged and tracked locally and our Corp EHS groups reviews them regularly with the sites. The figure reported here was validated by KPMG for our Annual Report incl. Sustainability Report 2024, but there were even more activities.

Divestment

(7.10.1.1) Change in emissions (metric tons CO2e)

4600

(7.10.1.2) Direction of change in emissions

Select from:

☑ Decreased

(7.10.1.3) Emissions value (percentage)

1.6

(7.10.1.4) Please explain calculation

Both Treviso sites and Tampines, SG, contributed still a bit in 2023 but totally dropped out in 2024.

Change in methodology

(7.10.1.1) Change in emissions (metric tons CO2e)

10100

(7.10.1.2) Direction of change in emissions

Select from:

☑ Increased

(7.10.1.3) Emissions value (percentage)

3.6

(7.10.1.4) Please explain calculation

Increase of electricity grid factor in Penang, MY, and Hillsboro and Exeter, both US, based on available data.

Change in boundary

(7.10.1.1) Change in emissions (metric tons CO2e)

14900

(7.10.1.2) Direction of change in emissions

Select from:
☑ Increased

(7.10.1.3) Emissions value (percentage)

4.6

(7.10.1.4) Please explain calculation

Power-up of module 2 in Kulim, MY, continued in 2024. Also, escaped refrigerants are part of our reporting for the first time.

Unidentified

(7.10.1.1) Change in emissions (metric tons CO2e)

800

(7.10.1.2) Direction of change in emissions

Select from:
☑ Increased

(7.10.1.3) Emissions value (percentage)

0.4

(7.10.1.4) Please explain calculation

delta from above
[Fixed row]

(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Select from:
☑ Market-based

(7.11) How do your total Scope 3 emissions for the reporting year compare to those of the previous reporting year?

Select from:
☑ Decreased

(7.11.1) For each Scope 3 category calculated in 7.8, specify how your emissions compare to the previous year and identify the reason for any change.

Purchased goods and services

(7.11.1.1) Direction of change

Select from:
☑ Decreased

(7.11.1.2) Primary reason for change

Select from:

☑ Change in output

(7.11.1.3) Change in emissions in this category (metric tons CO2e)

94600

(7.11.1.4) % change in emissions in this category

13

(7.11.1.5) Please explain

Decreased purchasing volume

Capital goods

(7.11.1.1) Direction of change

Select from:
☑ Decreased

(7.11.1.2) Primary reason for change

Select from:
☑ Change in output

(7.11.1.3) Change in emissions in this category (metric tons CO2e)

195600

(7.11.1.4) % change in emissions in this category

65

(7.11.1.5) Please explain

Decreased investment activities

Upstream transportation and distribution

(7.11.1.1) Direction of change

Select from:
☑ Decreased

(7.11.1.2) Primary reason for change

Select from:
☑ Change in output

(7.11.1.3) Change in emissions in this category (metric tons CO2e)

8800

(7.11.1.4) % change in emissions in this category

21

(7.11.1.5) Please explain

Decreased logistic volumes

Business travel

(7.11.1.1) Direction of change

Select from:
☑ Increased

(7.11.1.2) Primary reason for change

Select from:
☑ Other, please specify :Increased travel activities, after COVID19 travel stop.

(7.11.1.3) Change in emissions in this category (metric tons CO2e)

600

(7.11.1.4) % change in emissions in this category

11

(7.11.1.5) Please explain

Increased travel activities after COVID19 stop.
[Fixed row]

(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

Select from:
☑ No

(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Select from:
☑ Yes

(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).

Row 1

(7.15.1.1) Greenhouse gas

Select from:

☑ PFCs

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

7900

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 2

(7.15.1.1) Greenhouse gas

Select from:
☑ SF6

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

9200

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 3

(7.15.1.1) Greenhouse gas

Select from:
☑ NF3

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

9700

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 4

(7.15.1.1) Greenhouse gas

Select from:
☑ HFCs

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

2200

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 5

(7.15.1.1) Greenhouse gas

Select from:
☑ N2O

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

500

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 6

(7.15.1.1) Greenhouse gas

Select from:
☑ CO2

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

23600

(7.15.1.3) GWP Reference

Select from:
☑ Other, please specify :These are the CO2 emissions out of fuel consumption, e.g. natural gas, LPG and diesel.
[Add row]

(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.

Austria

(7.16.1) Scope 1 emissions (metric tons CO2e)

17900

(7.16.2) Scope 2, location-based (metric tons CO2e)

10100

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

China

(7.16.1) Scope 1 emissions (metric tons CO2e)

1600

(7.16.2) Scope 2, location-based (metric tons CO2e)

51300

(7.16.3) Scope 2, market-based (metric tons CO2e)

8100

Czechia

(7.16.1) Scope 1 emissions (metric tons CO2e)

300

(7.16.2) Scope 2, location-based (metric tons CO2e)

2300

(7.16.3) Scope 2, market-based (metric tons CO2e)

600

Germany

(7.16.1) Scope 1 emissions (metric tons CO2e)

14700

(7.16.2) Scope 2, location-based (metric tons CO2e)

45300

(7.16.3) Scope 2, market-based (metric tons CO2e)

600

Malaysia

(7.16.1) Scope 1 emissions (metric tons CO2e)

14800

(7.16.2) Scope 2, location-based (metric tons CO2e)

152500

(7.16.3) Scope 2, market-based (metric tons CO2e)

159400

Philippines

(7.16.1) Scope 1 emissions (metric tons CO2e)

100

(7.16.2) Scope 2, location-based (metric tons CO2e)

12200

(7.16.3) Scope 2, market-based (metric tons CO2e)

8300

Singapore

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

25100

(7.16.3) Scope 2, market-based (metric tons CO2e)

27400

Slovakia

(7.16.1) Scope 1 emissions (metric tons CO2e)

1400

(7.16.2) Scope 2, location-based (metric tons CO2e)

1200

(7.16.3) Scope 2, market-based (metric tons CO2e)

500

United States of America

(7.16.1) Scope 1 emissions (metric tons CO2e)

2000

(7.16.2) Scope 2, location-based (metric tons CO2e)

8600

(7.16.3) Scope 2, market-based (metric tons CO2e)

7000
[Fixed row]

(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

Select all that apply
☑ By facility

(7.17.2) Break down your total gross global Scope 1 emissions by business facility.

Row 1

(7.17.2.1) Facility

OSRAM Opto Semiconductors (MY) Sdn. Bhd., Bayan Lepas Free Industr. Zone Phase 1 Penang, Malaysia

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

200

(7.17.2.3) Latitude

5.313884

(7.17.2.4) Longitude

100.287055

Row 2

(7.17.2.1) Facility

OSRAM, a.s. Slovakia, Komarnanska cesta 7, Nove Zamky, Slovakia

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1400

(7.17.2.3) Latitude

50.009564

(7.17.2.4) Longitude

17.468584

Row 3

(7.17.2.1) Facility

OSRAM SYLVANIA INC. Hillsboro, West Main Street, Hillsboro, NH, USA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1600

(7.17.2.3) Latitude

43.112465

(7.17.2.4) Longitude

-71.915199

Row 4

(7.17.2.1) Facility

OSRAM GmbH München Lighthouse, Marcel-Breuer-Strasse 6, München, Germany

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

0

(7.17.2.3) Latitude

48.18227

(7.17.2.4) Longitude

11.597793

Row 5

(7.17.2.1) Facility

OSRAM Opto Semiconductors Co.,Ltd, China, No. 57, XiQin Road, Wuxi, China

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

500

(7.17.2.3) Latitude

31.519376

(7.17.2.4) Longitude

120.461348

Row 6

(7.17.2.1) Facility

OSRAM Ceská republika s.r.o., Zahradni 1442/46, Bruntal, Czech Republic

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

600

(7.17.2.3) Latitude

50.009564

(7.17.2.4) Longitude

17.468584

Row 7

(7.17.2.1) Facility

ams-OSRAM AG Tobelbader Str. 30, 8141 Premstätten, Austria

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

17900

(7.17.2.3) Latitude

46.97731

(7.17.2.4) Longitude

15.39466

Row 8

(7.17.2.1) Facility

OSRAM SYLVANIA INC. Warren, 816 Lexington Ave, Warren, PA, USA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

0

(7.17.2.3) Latitude

41.835899

(7.17.2.4) Longitude

-79.132721

Row 9

(7.17.2.1) Facility

ams-OSRAM International GmbH, Leibnizstrasse 4, Regensburg, Germany

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5900

(7.17.2.3) Latitude

48.99678

(7.17.2.4) Longitude

12.16112

Row 10

(7.17.2.1) Facility

ams-OSRAM USA Inc. Exeter, 129 Portsmouth Avenue, Exeter, NH, USA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

400

(7.17.2.3) Latitude

42.988552

(7.17.2.4) Longitude

-70.933189

Row 11

(7.17.2.1) Facility

OSRAM GmbH Schwabmünchen, Mittelstetter Weg 2, Schwabmünchen, Germany

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

6000

(7.17.2.3) Latitude

48.19342

(7.17.2.4) Longitude

10.75858

Row 12

(7.17.2.1) Facility

ams Asia Inc., Calamba, 4027 Laguna, Philippines

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

100

(7.17.2.3) Latitude

14.170352

(7.17.2.4) Longitude

121.132804

Row 13

(7.17.2.1) Facility

OSRAM GmbH Herbrechtingen, An der Bahnbrücke, Herbrechtingen, Germany

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

2600

(7.17.2.3) Latitude

48.626476

(7.17.2.4) Longitude

10.17

Row 14

(7.17.2.1) Facility

OSRAM China Lighting Ltd. Foshan, No.1 North Industrial Road, Foshan, China

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1100

(7.17.2.3) Latitude

23.064407

(7.17.2.4) Longitude

113.108105

Row 15

(7.17.2.1) Facility

ams-OSRAM Asia Pacific Pte. Ltd., 7000 Ang Mo Kio Ave 5, #05-00, Singapore 569877

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

0

(7.17.2.3) Latitude

1.377918

(7.17.2.4) Longitude

103.872874

Row 16

(7.17.2.1) Facility

OSRAM Kunshan Display Optic Co. Ltd., Kunshan Free Trade Zone Waihejing Road, Kunshan, China

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

0

(7.17.2.3) Latitude

31.332679

(7.17.2.4) Longitude

120.997854

Row 18

(7.17.2.1) Facility

OSRAM Opto Semiconductors (MY) Sdn. Bhd., Zon Industri Fasa 1, Tmn. Perindustrian Hi-Tech Kulim, Malaysia

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

14600

(7.17.2.3) Latitude

5.428213

(7.17.2.4) Longitude

100.585467

Row 19

(7.17.2.1) Facility

OSRAM GmbH Berlin, Nonnendamm 44, Berlin, Germany

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

200

(7.17.2.3) Latitude

52.537722

(7.17.2.4) Longitude

13.251621
[Add row]

(7.20) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

Select all that apply
☑ By facility

(7.20.2) Break down your total gross global Scope 2 emissions by business facility.

Row 1

(7.20.2.1) Facility

OSRAM, a.s. Slovakia, Komarnanska cesta 7, Nove Zamky, Slovakia

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

1200

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

500

Row 2

(7.20.2.1) Facility

ams-OSRAM AG Tobelbader Str. 30, 8141 Premstätten, Austria

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

10100

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 3

(7.20.2.1) Facility

ams Asia Inc., Calamba, 4027 Laguna, Philippines

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

12200

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

8300

Row 4

(7.20.2.1) Facility

ams-OSRAM Asia Pacific Pte. Ltd., 7000 Ang Mo Kio Ave 5, #05-00, Singapore 569877

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

25100

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

27400

Row 5

(7.20.2.1) Facility

OSRAM GmbH Berlin, Nonnendamm 44, Berlin, Germany

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

8800

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

600

Row 6

(7.20.2.1) Facility

OSRAM Ceská republika s.r.o., Zahradni 1442/46, Bruntal, Czech Republic

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

2300

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

300

Row 7

(7.20.2.1) Facility

OSRAM GmbH München Lighthouse, Marcel-Breuer-Strasse 6, München, Germany

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

100

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 8

(7.20.2.1) Facility

OSRAM Opto Semiconductors (MY) Sdn. Bhd., Bayan Lepas Free Industr. Zone Phase 1 Penang, Malaysia

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

60500

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

72900

Row 10

(7.20.2.1) Facility

OSRAM Opto Semiconductors (MY) Sdn. Bhd., Zon Industri Fasa 1, Tmn. Perindustrian Hi-Tech Kulim, Malaysia

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

92000

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

86500

Row 11

(7.20.2.1) Facility

ams-OSRAM International GmbH, Leibnizstrasse 4, Regensburg, Germany

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

29000

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 12

(7.20.2.1) Facility

OSRAM Opto Semiconductors Co.,Ltd, China, No. 57, XiQin Road, Wuxi, China

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

45500

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

1800

Row 14

(7.20.2.1) Facility

OSRAM GmbH Herbrechtingen, An der Bahnbrücke, Herbrechtingen, Germany

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

6300

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 15

(7.20.2.1) Facility

OSRAM GmbH Schwabmünchen, Mittelstetter Weg 2, Schwabmünchen, Germany

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

1100

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 16

(7.20.2.1) Facility

OSRAM SYLVANIA INC. Hillsboro, West Main Street, Hillsboro, NH, USA

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

5300

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

3900

Row 17

(7.20.2.1) Facility

OSRAM SYLVANIA INC. Warren, 816 Lexington Ave, Warren, PA, USA

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

700

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

600

Row 18

(7.20.2.1) Facility

OSRAM China Lighting Ltd. Foshan, No.1 North Industrial Road, Foshan, China

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

5500

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

6000

Row 19

(7.20.2.1) Facility

OSRAM Kunshan Display Optic Co. Ltd., Kunshan Free Trade Zone Waihejing Road, Kunshan, China

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

300

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

300

Row 20

(7.20.2.1) Facility

ams-OSRAM USA Inc. Exeter, 129 Portsmouth Avenue, Exeter, NH, USA

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

3600

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

2500
[Add row]

(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.

Consolidated accounting group

(7.22.1) Scope 1 emissions (metric tons CO2e)

53100

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

308600

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

264700

(7.22.4) Please explain

This is the data from all entities with manufacturing activities and this accounts to 99% of the energy usage.

All other entities

(7.22.1) Scope 1 emissions (metric tons CO2e)

0

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

0

(7.22.4) Please explain

ams OSRAM has no further interests with significant share or emissions which are not consolidated with our financial nor sustainability statements.
[Fixed row]

(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

Select from:
☑ No

(7.29) What percentage of your total operational spend in the reporting year was on energy?

Select from:

☑ More than 0% but less than or equal to 5%

(7.30) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	*Select from:* ☑ Yes
Consumption of purchased or acquired electricity	*Select from:* ☑ Yes
Consumption of purchased or acquired heat	*Select from:* ☑ Yes
Consumption of purchased or acquired steam	*Select from:* ☑ Yes
Consumption of purchased or acquired cooling	*Select from:* ☑ No
Generation of electricity, heat, steam, or cooling	*Select from:* ☑ Yes

[Fixed row]

(7.30.1) Report your organization’s energy consumption totals (excluding feedstocks) in MWh.

Consumption of fuel (excluding feedstock)

(7.30.1.1) Heating value

Select from:

☑ LHV (lower heating value)

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

130400

(7.30.1.4) Total (renewable + non-renewable) MWh

130400.00

Consumption of purchased or acquired electricity

(7.30.1.1) Heating value

Select from:
☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

394500

(7.30.1.3) MWh from non-renewable sources

258100

(7.30.1.4) Total (renewable + non-renewable) MWh

652600.00

Consumption of purchased or acquired heat

(7.30.1.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

10500

(7.30.1.4) Total (renewable + non-renewable) MWh

10500.00

Consumption of purchased or acquired steam

(7.30.1.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

3300

(7.30.1.4) Total (renewable + non-renewable) MWh

3300.00

Consumption of self-generated non-fuel renewable energy

(7.30.1.1) Heating value

Select from:
☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

2200

(7.30.1.4) Total (renewable + non-renewable) MWh

2200.00

Total energy consumption

(7.30.1.1) Heating value

Select from:
☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

396700

(7.30.1.3) MWh from non-renewable sources

402300

(7.30.1.4) Total (renewable + non-renewable) MWh

799000.00
[Fixed row]

(7.30.6) Select the applications of your organization’s consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	*Select from:* ☑ Yes
Consumption of fuel for the generation of heat	*Select from:* ☑ Yes
Consumption of fuel for the generation of steam	*Select from:* ☑ No
Consumption of fuel for the generation of cooling	*Select from:* ☑ No
Consumption of fuel for co-generation or tri-generation	*Select from:* ☑ Yes

[Fixed row]

(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

(7.30.7.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No biomass was used.

Other biomass

(7.30.7.1) Heating value

Select from:
☑ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No biomass was used.

Other renewable fuels (e.g. renewable hydrogen)

(7.30.7.1) Heating value

Select from:
☑ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No other renewable fuel was used.

Coal

(7.30.7.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No coal was used.

Oil

(7.30.7.1) Heating value

Select from:

☑ LHV

(7.30.7.2) Total fuel MWh consumed by the organization

1000

(7.30.7.3) MWh fuel consumed for self-generation of electricity

1000

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

Our company used a small amount of diesel / heating oil as fuel for the back-up generators in 2024.

Gas

(7.30.7.1) Heating value

Select from:
☑ LHV

(7.30.7.2) Total fuel MWh consumed by the organization

116900

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

70800

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

46100

(7.30.7.8) Comment

Natural gas is the major fuel used for heating various processes in our company (109,400 MWh). It also feeds trigeneration in the block heating units of 3 German plants. Where NG is not available we use LPG (7,500 MWh). The later is also used for cooking purposes in Asia.

Other non-renewable fuels (e.g. non-renewable hydrogen)

(7.30.7.1) Heating value

Select from:
☑ LHV

(7.30.7.2) Total fuel MWh consumed by the organization

12500

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

12500

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

Hydrogen is used for heating various processes and in chemical deposition processes in our company.

Total fuel

(7.30.7.1) Heating value

Select from:
☑ LHV

(7.30.7.2) Total fuel MWh consumed by the organization

13400

(7.30.7.3) MWh fuel consumed for self-generation of electricity

1000

(7.30.7.4) MWh fuel consumed for self-generation of heat

83300

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

46100

(7.30.7.8) Comment

N.A.
[Fixed row]

(7.30.9) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

Electricity

(7.30.9.1) Total Gross generation (MWh)

20300

(7.30.9.2) Generation that is consumed by the organization (MWh)

20300

(7.30.9.3) Gross generation from renewable sources (MWh)

2200

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

2200

Heat

(7.30.9.1) Total Gross generation (MWh)

92400

(7.30.9.2) Generation that is consumed by the organization (MWh)

92400

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0

Steam

(7.30.9.1) Total Gross generation (MWh)

0

(7.30.9.2) Generation that is consumed by the organization (MWh)

0

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0

Cooling

(7.30.9.1) Total Gross generation (MWh)

8900

(7.30.9.2) Generation that is consumed by the organization (MWh)

8900

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0
[Fixed row]

(7.30.14) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in 7.7.

Row 1

(7.30.14.1) Country/area

Select from:

☑ Austria

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :65% Hydro, 28% Wind, rest other green energy

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

80600

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Austria

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.14.10) Comment

ams-OSRAM AG in Premstätten have been purchasing renewable electricity since 2011. The contract with the local supplier Energie Steiermark does not specify the commissioning year (information is not known to us) but does give a split of technologies and COOs: 35% Austria, 22% Iceland, 13% Norway, 11% Sweden, 19% others

Row 2

(7.30.14.1) Country/area

Select from:

☑ Germany

(7.30.14.2) Sourcing method

Select from:

☑ Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Wind and solar

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

122800

(7.30.14.6) Tracking instrument used

Select from:
☑ GO

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ Italy

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2022

(7.30.14.10) Comment

Our German plants use wind and solar power from Italy with Spain, France and Sweden included out of various installations dating from 2000 to 2022.

Row 3

(7.30.14.1) Country/area

Select from:
☑ United States of America

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Renewable energy mix, please specify :In New Hampshire, USA, we know that there is a legal requirement for 15.8% renewable energy in the electricity mix, but we do not know details.

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

3700

(7.30.14.6) Tracking instrument used

Select from:
☑ No instrument used

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ United States of America

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ No

(7.30.14.10) Comment

Figure based on the electricity consumption of our Hillsboro and Exeter plants and the factors of 16% and 18% provided by our providers.

Row 4

(7.30.14.1) Country/area

Select from:

☑ China

(7.30.14.2) Sourcing method

Select from:

☑ Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Wind

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

16700

(7.30.14.6) Tracking instrument used

Select from:

☑ GEC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ China

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.14.10) Comment

Our Wuxi site achieved a share of renewable green energy of 22% in their electricity mix in 2024.

Row 5

(7.30.14.1) Country/area

Select from:
☑ China

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Nuclear

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

57500

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ China

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ No

(7.30.14.10) Comment

The other 78% in the electricity mix of our Wuxi site were from nuclear sources.

Row 6

(7.30.14.1) Country/area

Select from:
☑ United States of America

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Nuclear

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

4000

(7.30.14.6) Tracking instrument used

Select from:
☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ United States of America

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ No

(7.30.14.10) Comment

Based on the information provided by our suppliers we sourced nuclear energy in Exeter (300MWh), Hillsboro (3000MWh) and Warren (700MWh).

Row 7

(7.30.14.1) Country/area

Select from:
☑ Malaysia

(7.30.14.2) Sourcing method

Select from:

☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Small hydropower (<25 MW)

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

64200

(7.30.14.6) Tracking instrument used

Select from:

☑ I-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Viet Nam

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2011

(7.30.14.10) Comment

The iRECs were from various run-of-the-river mills commissioned between 2011 and 2019.

Row 8

(7.30.14.1) Country/area

Select from:
☑ Singapore

(7.30.14.2) Sourcing method

Select from:
☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Small hydropower (<25 MW)

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

66100

(7.30.14.6) Tracking instrument used

Select from:
☑ I-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Viet Nam

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2011

(7.30.14.10) Comment

The iRECs were from various run-of-the-river mills commissioned between 2011 and 2019.

Row 9

(7.30.14.1) Country/area

Select from:

☑ Philippines

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Solar

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

5200

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Philippines

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.14.10) Comment

Since July 2022 our site in Calamba is provided with an energy mix which contains 30% solar energy.

Row 10

(7.30.14.1) Country/area

Select from:

☑ Philippines

(7.30.14.2) Sourcing method

Select from:

☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Small hydropower (<25 MW)

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

3000

(7.30.14.6) Tracking instrument used

Select from:

☑ I-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Viet Nam

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2018

(7.30.14.10) Comment

The iRECs were from a single run-of-the-river mill.

Row 11

(7.30.14.1) Country/area

Select from:
☑ Czechia

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Nuclear

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

4500

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ Slovakia

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ No

(7.30.14.10) Comment

The supplier for both plants in Bruntal, CZ, and Nove Zamky, SK, is situated in Slovakia. There was some renewable energy together with fossil energy in it, but the main contribution is from nuclear power (87%). Not green, of course, but at least CO2-free.

Row 12

(7.30.14.1) Country/area

Select from:
☑ Slovakia

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Nuclear

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

8300

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Slovakia

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.14.10) Comment

The supplier for both plants in Bruntal, CZ, and Nove Zamky, SK, is situated in Slovakia. There was some renewable energy together with fossil energy in it, but the main contribution is from nuclear power (87%). Not green, of course, but at least CO2-free.

Row 13

(7.30.14.1) Country/area

Select from:

☑ Malaysia

(7.30.14.2) Sourcing method

Select from:

☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Large hydropower (>25 MW)

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

32200

(7.30.14.6) Tracking instrument used

Select from:

☑ Other, please specify :mREC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Malaysia

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2009

(7.30.14.10) Comment

Unbundeled procurement of mREC from various renewable electricity sources like Solar or Hydro.
[Add row]

(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.

Austria

(7.30.16.1) Consumption of purchased electricity (MWh)

80600

(7.30.16.2) Consumption of self-generated electricity (MWh)

100

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

80700.00

China

(7.30.16.1) Consumption of purchased electricity (MWh)

84000

(7.30.16.2) Consumption of self-generated electricity (MWh)

1200

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

3200

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

88400.00

Czechia

(7.30.16.1) Consumption of purchased electricity (MWh)

5200

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

5200.00

Germany

(7.30.16.1) Consumption of purchased electricity (MWh)

122800

(7.30.16.2) Consumption of self-generated electricity (MWh)

17400

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

10500

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

18000

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

168700.00

Malaysia

(7.30.16.1) Consumption of purchased electricity (MWh)

242600

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

242600.00

Philippines

(7.30.16.1) Consumption of purchased electricity (MWh)

17500

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

17500.00

Singapore

(7.30.16.1) Consumption of purchased electricity (MWh)

66100

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

66100.00

Slovakia

(7.30.16.1) Consumption of purchased electricity (MWh)

9500

(7.30.16.2) Consumption of self-generated electricity (MWh)

800

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

10300.00

United States of America

(7.30.16.1) Consumption of purchased electricity (MWh)

24300

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

24300.00
[Fixed row]

(7.34) Does your organization measure the efficiency of any of its products or services?

(7.34.1) Measurement of product/service efficiency

Select from:
☑ Yes

(7.34.2) Comment

In the Lighting and Sensing Industry, power efficiency and continual improvement is a key topic, e.g. to reduce energy costs at the customer end or expand battery lifetime of devices
[Fixed row]

(7.34.1) Provide details of the metrics used to measure the efficiency of your organization's products or services.

Row 1

(7.34.1.1) Category of product or service

Select from:
☑ Other, please specify :LEDs - Light emitting diodes and other semiconductor products

(7.34.1.2) Product or service (optional)

Light emitting diodes, respective low carbon technologies according to the category 3.6 of the EU Taxonomy activities

(7.34.1.3) % of revenue from this product or service in the reporting year

39

(7.34.1.4) Efficiency figure in the reporting year

235

(7.34.1.5) Metric numerator

Select from:
☑ Other, please specify :Lumen

(7.34.1.6) Metric denominator

Select from:

☑ Other, please specify :Watt

(7.34.1.7) Comment

The lumen-per-watt ratio is a measure used to evaluate the efficiency of an electric light source, indicating how effectively it converts electrical energy into visible light. This ratio is detailed in the LED product's datasheet. The value mentioned here pertains to a specific product (OSCONIQ® S 3030). Since each product has its unique value, it is not possible to provide a single figure for the entire portfolio. However, one of the research and development goals is to enhance the lumen-per-watt ratio, thereby increasing the product's efficiency.
[Add row]

(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Row 1

(7.45.1) Intensity figure

140

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

264700

(7.45.3) Metric denominator

Select from:
☑ Other, please specify :operative output in M€

(7.45.4) Metric denominator: Unit total

1896

(7.45.5) Scope 2 figure used

Select from:

☑ Market-based

(7.45.6) % change from previous year

18

(7.45.7) Direction of change

Select from:
☑ Decreased

(7.45.8) Reasons for change

Select all that apply
☑ Divestment
☑ Change in output
☑ Change in boundary
☑ Change in methodology
☑ Other emissions reduction activities
☑ Change in renewable energy consumption

(7.45.9) Please explain

We continued to decarbonize our purchased energy and drive energy efficiency. At the same time, our semiconductor factories were better loaded and were thus more efficient. Some negative effects, like the inclusion of escaped refrigerants, were compensated by the positive ones.
[Add row]

(7.52) Provide any additional climate-related metrics relevant to your business.

Row 1

(7.52.1) Description

Select from:

☑ Waste

(7.52.2) Metric value

3.17

(7.52.3) Metric numerator

metric tons (of waste for disposal)

(7.52.4) Metric denominator (intensity metric only)

unit of operative output (in M€)

(7.52.5) % change from previous year

7

(7.52.6) Direction of change

Select from:
☑ Decreased

(7.52.7) Please explain

The absolute waste for disposal levels increased slightly but less than our operative output increased. So the scaled KPI dropped a bit as well.

Row 2

(7.52.1) Description

Select from:
☑ Other, please specify :water withdrawal

(7.52.2) Metric value

2212

(7.52.3) Metric numerator

cubic meter

(7.52.4) Metric denominator (intensity metric only)

unit of operative output (in M€)

(7.52.5) % change from previous year

7

(7.52.6) Direction of change

Select from:
☑ Decreased

(7.52.7) Please explain

The absolute waste for disposal levels increased slightly but less than our operative output increased. So the scaled KPI dropped a bit as well. Drivers here were our semiconductor plants that are water intensive, but better plant usage reduces the overhead share also relevant to water.

Row 3

(7.52.1) Description

Select from:
☑ Energy usage

(7.52.2) Metric value

421

(7.52.3) Metric numerator

MWh

(7.52.4) Metric denominator (intensity metric only)

unit of operative output (in M€)

(7.52.5) % change from previous year

11

(7.52.6) Direction of change

Select from:

☑ Decreased

(7.52.7) Please explain

We continued to drive energy efficiency. At the same time, our semiconductor factories were better loaded and were thus more efficient.
[Add row]

(7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

☑ Absolute target

☑ Intensity target

(7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

Row 1

(7.53.1.1) Target reference number

Select from:

☑ Abs 1

(7.53.1.2) Is this a science-based target?

Select from:

☑ Yes, we consider this a science-based target, but we have not committed to seek validation of this target by the Science Based Targets initiative within the next two years

(7.53.1.4) Target ambition

Select from:

☑ 1.5°C aligned

(7.53.1.5) Date target was set

12/30/2022

(7.53.1.6) Target coverage

Select from:

☑ Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

☑ Nitrous oxide (N2O)

☑ Carbon dioxide (CO2)

☑ Perfluorocarbons (PFCs)

☑ Hydrofluorocarbons (HFCs)

☑ Sulphur hexafluoride (SF6)

☑ Nitrogen trifluoride (NF3)

(7.53.1.8) Scopes

Select all that apply

☑ Scope 1

☑ Scope 2

(7.53.1.9) Scope 2 accounting method

Select from:

☑ Market-based

(7.53.1.11) End date of base year

12/30/2021

(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO2e)

46600

(7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO2e)

261700

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

0.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

308300.000

(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

99

(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

99

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

99

(7.53.1.54) End date of target

12/30/2030

(7.53.1.55) Targeted reduction from base year (%)

100

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

0.000

(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)

53100

(7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)

120000

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

173100.000

(7.53.1.78) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

43.85

(7.53.1.80) Target status in reporting year

Select from:

☑ Underway

(7.53.1.82) Explain target coverage and identify any exclusions

This target covers our Scope 1 and Scope 2 emissions from our main production sites as reported in our Sustainability Report. These sites cover > 99% of our environmental impact as attested by KPMG. The remaining rest is constituted by smaller offices and a few R&D location which are not (yet) part of our environmental reporting. However, we believe to have reached the practical limits.

(7.53.1.83) Target objective

Reduce GHG emissions

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

We have have set up a plan for all sites consisting of energy efficiency measures as well as green energy sourcing and compensation via Energy Attribute Certificates (EACs). Carbon credits may come in towards the end of our development to compensate emissions we cannot otherwise avoid. The reported Scope 2 emissions already include the effects of EACs purchased and retired.

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☑ No

[Add row]

(7.53.2) Provide details of your emissions intensity targets and progress made against those targets.

Row 1

(7.53.2.1) Target reference number

Select from:

☑ Int 1

(7.53.2.2) Is this a science-based target?

Select from:

☑ No, but we are reporting another target that is science-based

(7.53.2.5) Date target was set

02/29/2024

(7.53.2.6) Target coverage

Select from:

☑ Organization-wide

(7.53.2.7) Greenhouse gases covered by target

Select all that apply

☑ Nitrous oxide (N2O)

☑ Carbon dioxide (CO2)

☑ Perfluorocarbons (PFCs)

☑ Hydrofluorocarbons (HFCs)

☑ Nitrogen trifluoride (NF3)

☑ Sulphur hexafluoride (SF6)

(7.53.2.8) Scopes

Select all that apply

☑ Scope 1

☑ Scope 2

(7.53.2.9) Scope 2 accounting method

Select from:

☑ Market-based

(7.53.2.11) Intensity metric

Select from:

☑ Other, please specify :Metric tons CO2e per unit of operative output (in M€)

(7.53.2.12) End date of base year

12/30/2023

(7.53.2.13) Intensity figure in base year for Scope 1

31

(7.53.2.14) Intensity figure in base year for Scope 2

138

(7.53.2.33) Intensity figure in base year for all selected Scopes

169.0000000000

(7.53.2.34) % of total base year emissions in Scope 1 covered by this Scope 1 intensity figure

99

(7.53.2.35) % of total base year emissions in Scope 2 covered by this Scope 2 intensity figure

99

(7.53.2.54) % of total base year emissions in all selected Scopes covered by this intensity figure

100

(7.53.2.55) End date of target

12/30/2024

(7.53.2.56) Targeted reduction from base year (%)

0

(7.53.2.57) Intensity figure at end date of target for all selected Scopes

169.0000000000

(7.53.2.58) % change anticipated in absolute Scope 1+2 emissions

29

(7.53.2.60) Intensity figure in reporting year for Scope 1

28

(7.53.2.61) Intensity figure in reporting year for Scope 2

112

(7.53.2.80) Intensity figure in reporting year for all selected Scopes

140.0000000000

(7.53.2.81) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.2.83) Target status in reporting year

Select from:

☑ Replaced

(7.53.2.84) Explain the reasons for the revision, replacement, or retirement of the target

Differently to the Abs1 target, the Int1 target does not take any positive effect of EAC's into account (only of green electricity). The target for 2024 was well achieved - we had actually anticipated to stay flat and then came out 17% below the targets due to good loading and the increase in green energy used. This target is set annually and was therefore replaced with a new target for 2025 with the same format.

(7.53.2.85) Explain target coverage and identify any exclusions

This target covers our Scope 1 and Scope 2 emissions from our main production sites as reported in our Sustainability Report. These sites cover > 99% of our environmental impact as attested by KPMG. The remaining rest is constituted by smaller offices and a few R&D location which are not (yet) part of our environmental reporting. However, we believe to have reached the practical limits.

(7.53.2.86) Target objective

Annual target in line with our overall Zero Co2 by 2030 strategy.

(7.53.2.88) Target derived using a sectoral decarbonization approach

Select from:

☑ No

Row 2

(7.53.2.1) Target reference number

Select from:

☑ Int 2

(7.53.2.2) Is this a science-based target?

Select from:

☑ Yes, we consider this a science-based target, but we have not committed to seek validation of this target by the Science Based Targets initiative within the next two years

(7.53.2.4) Target ambition

Select from:

☑ Well-below 2°C aligned

(7.53.2.5) Date target was set

04/25/2023

(7.53.2.6) Target coverage

Select from:

☑ Organization-wide

(7.53.2.7) Greenhouse gases covered by target

Select all that apply

☑ Carbon dioxide (CO2)

(7.53.2.8) Scopes

Select all that apply

☑ Scope 3

(7.53.2.10) Scope 3 categories

Select all that apply

☑ Category 1: Purchased goods and services

(7.53.2.11) Intensity metric

Select from:

☑ Other, please specify :Metric tons CO2e per value add (in M€)

(7.53.2.12) End date of base year

12/30/2021

(7.53.2.15) Intensity figure in base year for Scope 3, Category 1: Purchased goods and services

400.0

(7.53.2.32) Intensity figure in base year for total Scope 3

400.0000000000

(7.53.2.33) Intensity figure in base year for all selected Scopes

400.0000000000

(7.53.2.36) % of total base year emissions in Scope 3, Category 1: Purchased goods and services covered by this Scope 3, Category 1: Purchased goods and services intensity figure

100.0

(7.53.2.53) % of total base year emissions in Scope 3 (in all Scope 3 categories) covered by this total Scope 3 intensity figure

81.5

(7.53.2.54) % of total base year emissions in all selected Scopes covered by this intensity figure

81.5

(7.53.2.55) End date of target

12/30/2050

(7.53.2.56) Targeted reduction from base year (%)

97

(7.53.2.57) Intensity figure at end date of target for all selected Scopes

12.0000000000

(7.53.2.59) % change anticipated in absolute Scope 3 emissions

97

(7.53.2.62) Intensity figure in reporting year for Scope 3, Category 1: Purchased goods and services

370

(7.53.2.79) Intensity figure in reporting year for total Scope 3

370.0000000000

(7.53.2.80) Intensity figure in reporting year for all selected Scopes

370.0000000000

(7.53.2.81) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.2.82) % of target achieved relative to base year

7.73

(7.53.2.83) Target status in reporting year

Select from:

☑ Underway

(7.53.2.85) Explain target coverage and identify any exclusions

ams OSRAM is committed to reducing emissions from the upstream Scope 3 category “Purchased goods and services” by 47.5% per EUR of value added by 2030 and lowering them further to -97% by 2050. The target does not cover other Scope 3 categories.

(7.53.2.86) Target objective

The main opjective is to reduce the upstream scope 3 emissions in the most relevant category.

(7.53.2.87) Plan for achieving target, and progress made to the end of the reporting year

Continue with the program

(7.53.2.88) Target derived using a sectoral decarbonization approach

Select from:

☑ No

[Add row]

(7.54) Did you have any other climate-related targets that were active in the reporting year?

Select all that apply

☑ Other climate-related targets

(7.54.2) Provide details of any other climate-related targets, including methane reduction targets.

Row 1

(7.54.2.1) Target reference number

Select from:

☑ Oth 1

(7.54.2.2) Date target was set

02/29/2024

(7.54.2.3) Target coverage

Select from:

☑ Organization-wide

(7.54.2.4) Target type: absolute or intensity

Select from:

☑ Intensity

(7.54.2.5) Target type: category & metric (target numerator if reporting an intensity target)

Energy consumption or efficiency

☑ MWh

(7.54.2.6) Target denominator (intensity targets only)

Select from:

☑ Other, please specify :unit of operative output (in M€)

(7.54.2.7) End date of base year

12/30/2023

(7.54.2.8) Figure or percentage in base year

473

(7.54.2.9) End date of target

12/30/2024

(7.54.2.10) Figure or percentage at end of date of target

460

(7.54.2.11) Figure or percentage in reporting year

421

(7.54.2.12) % of target achieved relative to base year

400.0000000000

(7.54.2.13) Target status in reporting year

Select from:
☑ Replaced

(7.54.2.14) Explain the reasons for the revision, replacement, or retirement of the target

This target is set annually and was therefore replaced with a new target for 2024 with the same format.

(7.54.2.15) Is this target part of an emissions target?

The energy target is closely related to the annual emissions target (Int1). Both are intensity targets. There is of course also a relationship to long-term target Abs1.

(7.54.2.16) Is this target part of an overarching initiative?

Select all that apply
☑ No, it's not part of an overarching initiative

(7.54.2.18) Please explain target coverage and identify any exclusions

This target covers our primary and secondary energy use of our main production sites as reported in our Sustainability Report. These sites cover > 99% of our environmental impact as attested by KPMG. The remaining rest is constituted by smaller offices and a few R&D location which are not (yet) part of our environmental reporting. However, we believe to have reached the practical limits.

(7.54.2.19) Target objective

Reduction of relative energy consumption / energy efficiency enhancement.
[Add row]

(7.55) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Select from:
☑ Yes

(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e
Under investigation	*15*	*`Numeric input*
To be implemented	*0*	*0*
Implementation commenced	*20*	*20000*
Implemented	*20*	*160400*
Not to be implemented	*0*	*`Numeric input*

[Fixed row]

(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.

Row 1

(7.55.2.1) Initiative category & Initiative type

Low-carbon energy consumption
☑ Low-carbon electricity mix

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

158300

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 2 (market-based)

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in 1.2)

0

(7.55.2.6) Investment required (unit currency – as specified in 1.2)

0

(7.55.2.7) Payback period

Select from:

☑ No payback

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ Ongoing

(7.55.2.9) Comment

Details on our renewable energy purchases can be found in our Annual Report incl. Sustainability Report 2024.

Row 2

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Other, please specify :Various activities across the sites

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

2100

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

☑ Scope 2 (market-based)

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.7) Payback period

Select from:

☑ 1-3 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

(7.55.2.9) Comment

The CO2 savings data presented here are based on an assessment of the individual projects described in our ams OSRAM Annual Report incl. Sustainability Report 2024.
[Add row]

(7.55.3) What methods do you use to drive investment in emissions reduction activities?

Row 1

(7.55.3.1) Method

Select from:

☑ Internal price on carbon

(7.55.3.2) Comment

We use an internal CO2 price for purchasing of equipment (CAPEX) >50,000€ spend.

Row 2

(7.55.3.1) Method

Select from:

☑ Employee engagement

(7.55.3.2) Comment

We have an online idea collection tool in place. Here employees can enter ideas/projects/suggestions to save energy/emissions. Implemented projects are rewarded.

Row 3

(7.55.3.1) Method

Select from:

☑ Compliance with regulatory requirements/standards

(7.55.3.2) Comment

ams OSRAM is committed to meeting all regulatory requirements and would invest in cases where this is required. In addition, our EHS management system is ISO14001 (all manufacturing sites) and ISO50001 (German sites and Singapore) certified and we drive energy efficiency programs as part of the requirements. In

Premstätten, the Austrian National Energy Efficiency Law applies. For scope 3, our products are partially regulated with energy efficiency requirements and the push towards less emissions and less energy use is a market-necessity.

Row 4

(7.55.3.1) Method

Select from:

☑ Partnering with governments on technology development

(7.55.3.2) Comment

Funding projects with governmental institutions, e.g. solar PV. Further, the European Commission has set up a Strategic Forum for Important Projects of Common European Interest (IPCEI). Herein, ams OSRAM is a project partner for research and innovation in microelectronics. The integrated research and innovation project will involve 29 direct participants, headquartered both in and outside the EU. They are mostly industrial actors but also two research organizations, carrying out 40 closely interlinked sub-projects. The project participants and their partners will focus their work on five different technology areas: (1) Energy efficient chips, (2) Power semiconductors,(3) Smart sensors, (4) Advanced optical equipment and 5) Compound materials. All five technology fields are complementary and interlinked. See also: https://ec.europa.eu/commission/presscorner/detail/en/IP_18_6862

Row 5

(7.55.3.1) Method

Select from:

☑ Internal finance mechanisms

(7.55.3.2) Comment

Our annual planning processes include energy cost planning and our production sites identify opportunities e.g. via Hoshin Kanri workshops and bring them into the planning process. These are then turned into commitments by the individual sites and rolled into a company outlook together with more central ideas such as low-carbon electricity sourcing. We track our energy efficiency investments (measures and projects) in a tool. It enables us to calculate profitability increases in various areas of our company. If any measures or projects enhance the energy efficiencies of our processes we report them and analyze the benefits on a quarterly basis. Thus, our tool not only documents profitability increases but environmental investments as well. Parts of the project and their outcome are reported in the annual Sustainability Report.

Row 6

(7.55.3.1) Method

Select from:

☑ Dedicated budget for energy efficiency

(7.55.3.2) Comment

Investments defined regarding annual energy and environmental program. See also "internal finance mechanisms"
[Add row]

(7.71) Does your organization assess the life cycle emissions of any of its products or services?

(7.71.1) Assessment of life cycle emissions

Select from:

☑ Yes

(7.71.2) Comment

Life cycle analyses (LCAs) have shown that our products have the biggest impact in the downstream supply chain, particularly in the use phase. For example, they are built into products and solutions as components that — as described below — have a pos itive impact on both the environment (in particular climate protection) and society. In 2023, we established a role dedicated to conducting LCAs. Due to the complexity of the analyses, we have developed a strategy to ensure that future LCAs cover customer requirements and the portfolio as effectively as possible. A pilot study has already been successfully completed. The first regular LCAs will be created in 2024.
[Fixed row]

(7.71.1) Provide details of how your organization assesses the life cycle emissions of its products or services.

(7.71.1.1) Products/services assessed

Select from:

☑ Representative selection of products/services

(7.71.1.2) Life cycle stage(s) most commonly covered

Select from:

☑ Cradle-to-gate

(7.71.1.3) Methodologies/standards/tools applied

Select all that apply

☑ ISO 14040 & 14044

☑ ISO 14067

(7.71.1.4) Comment

Life cycle analyses (LCAs) have shown that our products have the biggest impact in the downstream supply chain, particularly in the use phase. For example, they are built into products and solutions as components that — as described below — have a positive impact on both the environment (in particular climate protection) and society. In 2023, we established a role dedicated to conducting LCAs. Due to the complexity of the analyses, we have developed a strategy to ensure that future LCAs cover customer requirements and the portfolio as effectively as possible. A pilot study has already been successfully completed. The first regular LCAs will be created in 2024.
[Fixed row]

(7.73) Are you providing product level data for your organization’s goods or services?

Select from:

☑ No, I am not providing data

(7.74) Do you classify any of your existing goods and/or services as low-carbon products?

Select from:

☑ Yes

(7.74.1) Provide details of your products and/or services that you classify as low-carbon products.

Row 1

(7.74.1.1) Level of aggregation

Select from:

☑ Product or service

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

☑ The EU Taxonomy for environmentally sustainable economic activities

(7.74.1.3) Type of product(s) or service(s)

Lighting

☑ Conventional LED

(7.74.1.4) Description of product(s) or service(s)

The semiconductor portfolio (LED technology and sensors) is the main source of eligible products and services, related to applications for automotive lighting as well as drive and building management. The products for an energy-efficient design of buildings of all kinds comprises products related to activity 3.5. Here we supply LEDs, spectral and ambient light sensors that can be used to modulate the lighting mood and to detect presence and perform distance measurements. They therefore help reduce overall energy consumption and increase building efficiency.We also offer solutions for the automotive industry that support both battery management and, directly or indirectly, the reduction of GHG emissions. Therefore, these relate to 3.4 and 3.6. Both conventional combustion engines and modern electric drives require position and angle sensors to guarantee accurate and reliable position detection at higher revs and thus optimize engine efficiency. Sensor-based battery components used for drive management in electric vehicles are also included here. Furthermore, we are a provider of automotive lighting components, with a portfolio ranging from LED replacement or LED retrofits to complete LED solutions. The high electric efficiency of our LEDs, coupled with simple heat management, enables us to design particularly energy-efficient light systems that complete the portfolio under activity 3.6

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

☑ No

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

39
[Add row]

(7.79) Has your organization retired any project-based carbon credits within the reporting year?

Select from:
☑ No

C9. Environmental performance - Water security

(9.1) Are there any exclusions from your disclosure of water-related data?

Select from:
☑ No

(9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

Water withdrawals – total volumes

(9.2.1) % of sites/facilities/operations

Select from:
☑ 100%

(9.2.2) Frequency of measurement

Select from:
☑ Quarterly

(9.2.3) Method of measurement

meters, invoices

(9.2.4) Please explain

Water withdrawal is one of the material environmental aspects identified by ams OSRAM on a corporate level. We therefore monitor all production locations and other bigger R&D sites.

Water withdrawals – volumes by source

(9.2.1) % of sites/facilities/operations