



INTERNATIONAL UNION
OF RAILWAYS

UIC indicators for the SDGs

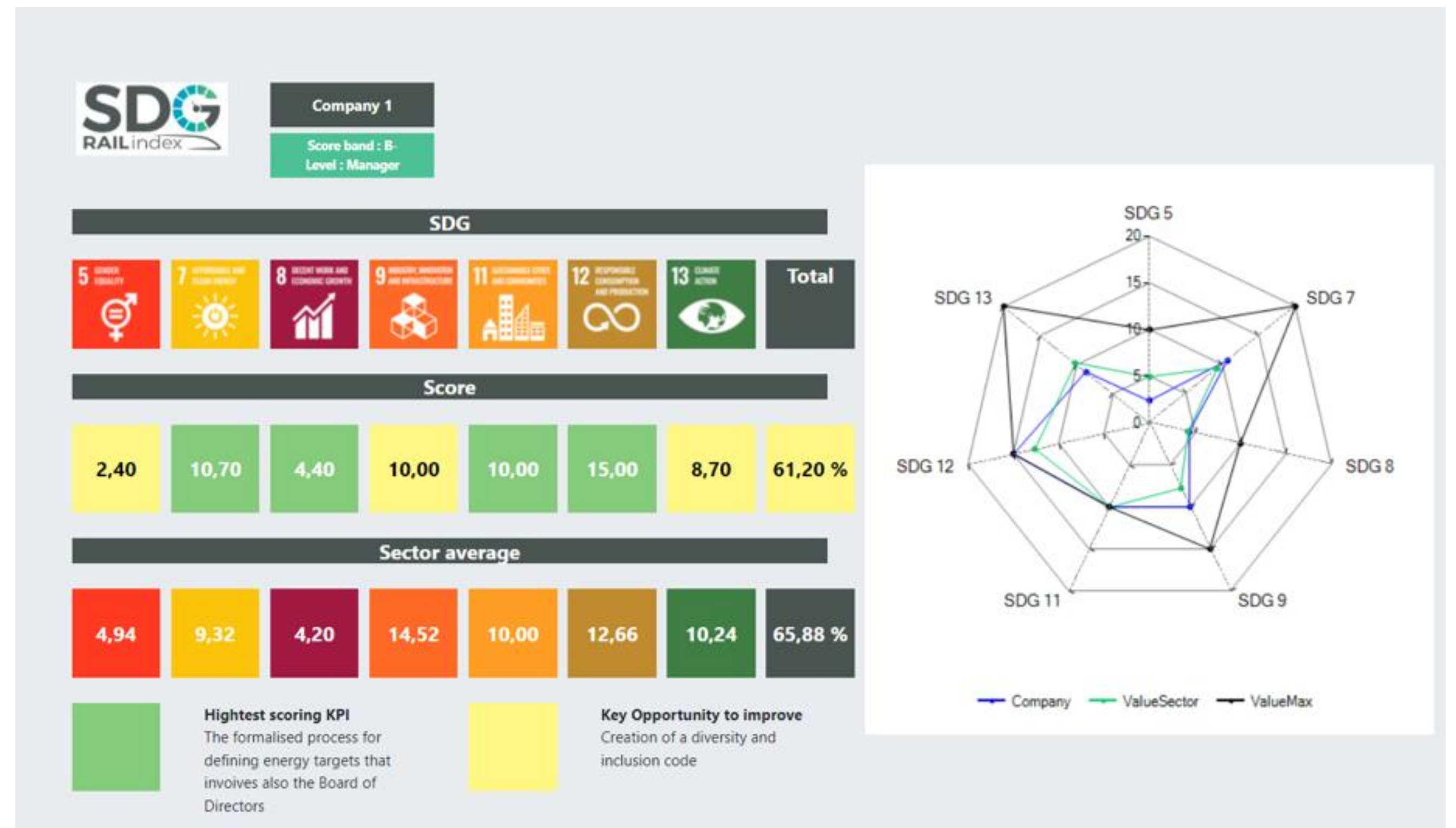
- Presentation of the Rail Sustainability Index project
- Data collected for 7 key SDGs
- Scoring method
- Dashboard

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□ Presentation of the Rail Sustainability Index project

To develop materials and tools for helping railway companies to achieve SDGs defined by the UN

- ✓ Evaluate the sustainability performance of rail transport
- ✓ Rating tool for individual railway company
- ✓ Dashboard to keep track of progress
- ✓ Recommendations and Solutions
- ✓ Improved accessibility to green bonds and sustainable financing instruments



□ Data collected for 7 key SDGs (1/2)

Prioritization of SDGs: 7 relevant goals for the rail transport selected among 17

- Indicators aligned with global reporting standards (GRI) and ESG requirements



SDG 5 - Achieve gender equality and empower all women and girls

- Non-discrimination framework/code, Women by level of responsibility, Women in Governance bodies



SDG 7 - Ensure access to affordable, reliable, sustainable and modern energy for all

- Energy consumption, Share of renewable energy, Targets



SDG 8 - Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

- Total number of employees by employment contract, Health and safety policies/system



SDG 9 - Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

- Electrified lines, Climate-related risks, Rail infrastructures and climate change



SDG 11 - Make cities and human settlements inclusive, safe, resilient and sustainable

- Rail accidents



SDG 12 - Ensure sustainable consumption and production patterns

- Sustainable procurement clauses, Hazardous waste, Reused/recycled waste, Sustainability reporting, Environmental management system



SDG 13 - Take urgent action to combat climate change and its impacts

- CO2-eq emissions direct and indirect, Green bond/debt ratio, Board-level oversight of climate-related issues, Emission targets, Collaborating with governments

❑ Data collected for 7 key SDGs (2/2)

Online tool, access upon registration by railway company

Data collected for

- ✓ 31 quantitative variables, e.g. Total number of employees by employment contract (permanent and temporary, see GRI 102-8)
- ✓ 22 yes/no questions, e.g. Do you have a target of renewable energy?
- ✓ 11 open-ended questions, e.g. Non-discrimination framework/code: Could you please describe the main principles?

For the moment

- ✓ 34 railway companies provided data
- ✓ for 2019, 2020, 2021 years
- ✓ Survey response rate > 60%

13.1.1 - CO2-e emissions direct and indirect

	Unit of measure	2019	2020	2021	Not available
Total direct CO2-e emissions (scope 1)	tCO ₂ e				
- Diesel traction: total CO2 emissions (ESRS 3_12)	tCO ₂ e	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
- Non traction: total CO2-eq emissions	tCO ₂ e	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
Total indirect CO2-e emissions (scope 2 - location based)	tCO ₂ e				
- Electric traction: total CO2-eq emissions (ESRS 3_03)	tCO ₂ e	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
- Non traction: total CO2-eq emissions	tCO ₂ e	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
Total indirect CO2-e emissions (scope 2 - market based)	tCO ₂ e				

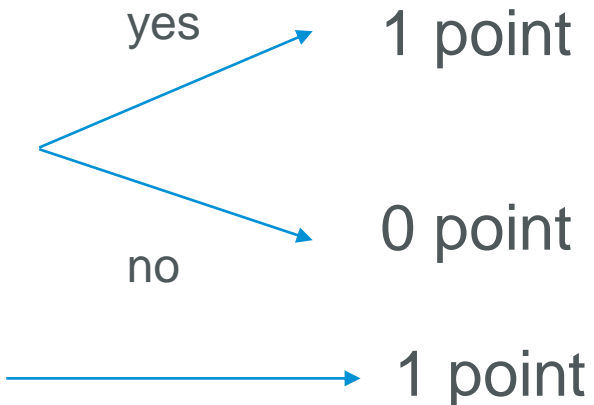
13.1.3 - Board-level oversight of climate-related issues

	Answer	Not available
Is there board-level oversight of climate-related issues within your organization?	<input checked="" type="radio"/> No <input type="radio"/> Yes	<input type="checkbox"/>
Do you have a MbO plan based on climate related issues?	<input checked="" type="radio"/> No <input type="radio"/> Yes	<input type="checkbox"/>
please describe your governance model on sustainability issues (i.e. Sustainability Committee)	<input type="text"/>	<input type="checkbox"/>

Scoring method (1/2)

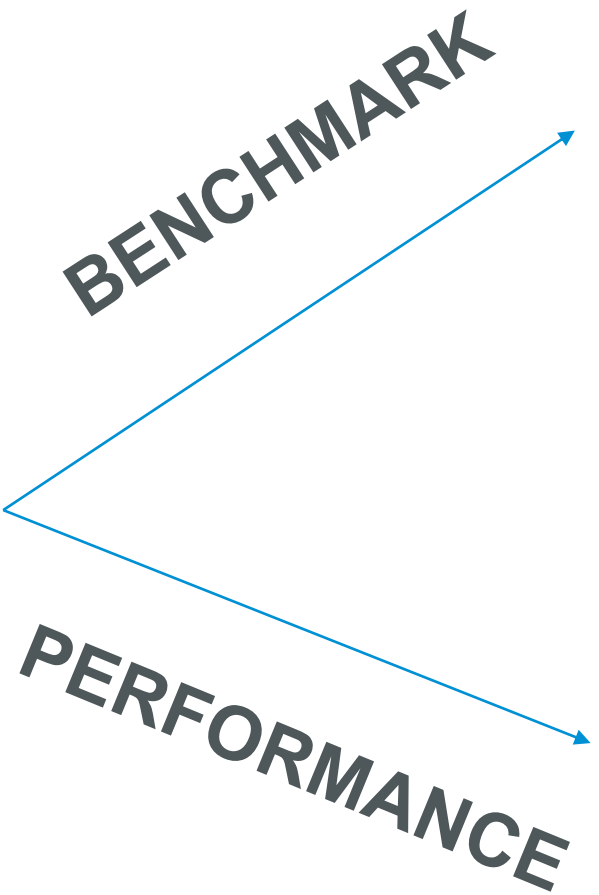
QUALITATIVE

- 2 «yes / no» questions
- 1 open-ended question



MAX 3 POINTS

QUANTITATIVE



Position relative to the sector average

Below sector average (0 points)	In line with the sector average (1 points)	Above sector average (3 points)
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Evolution over 3 years

Worse than last 2 years average (0 points)	In line with the last 2 years average (1 points)	Better than last 2 years average (3 points)
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MAX 6 POINTS

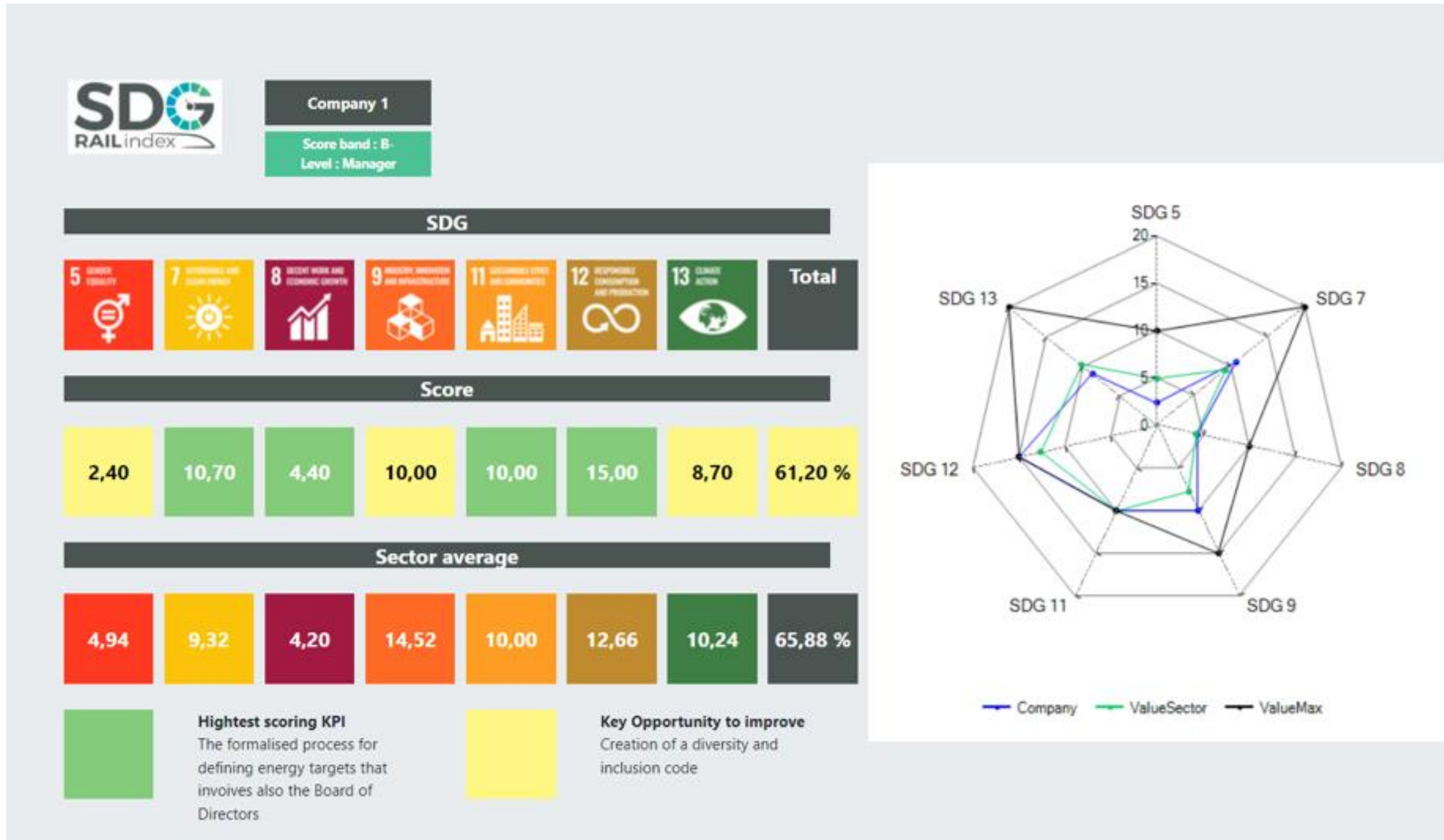
□ Scoring method (2/2)

SDG weight based on the prioritisation phase results

SDG Rail Index	Total max number of points	SDG weight
SDG 5 - Achieve gender equality and empower all women and girls		10%
SDG 7 - Ensure access to affordable, reliable, sustainable and modern energy for all		20%
SDG 8 - Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all		10%
SDG 9 - Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation		15%
SDG 11 - Make cities and human settlements inclusive, safe, resilient and sustainable		10%
SDG 12 - Ensure sustainable consumption and production patterns		15%
SDG 13 - Take urgent action to combat climate change and its impacts		20%
Company SDG Rail Index score		100%

$$SDG\ score = \sum_1^7 \left(\frac{company\ points}{max\ points} \times SDG\ weight \right)$$

Level	Score %	Score band
Beginner	1-20	D-
	21-30	D
Pursuer	31-46	C-
	47-55	C
Manager	56-70	B-
	71-82	B
Leader	83-90	A-
	91-100	A



Resource

✓ 2022 Global Rail Sustainability report

<https://uic.org/IMG/pdf/global-rail-sustainability-report-2022.pdf>

✓ Data provided by railway companies

<https://uic-stats.uic.org/select/>

<https://uic.org/sustainability>



REPORT METHODOLOGY

The report is a synthesis of the most recent data from a range of UIC databases, including the UIC RAIL Information System and Analyses (RAILISA), the Rail Sustainability index (RSi), the Traction Energy and Emissions Database (formerly the Environment Strategy Reporting System, ESRS) and the UIC International Sustainable Rail Awards. The document is also supported by literature, data and reports from several international organisations,

including the United Nations (UN), the International Energy Agency (IEA), the European Commission, the European Union Agency for Railways (ERA), and the Community of European Railways and Infrastructure Companies (CER). It should be noted that the data sources come predominantly from the global North and from Europe, often due to a lack of data from other regions of the world, although the global situation is given wherever available.

THE RAIL SUSTAINABILITY INDEX

The [UIC Rail Sustainability index \(RSi\)](#) was launched in 2022. The RSi is a benchmarking tool that measures the sustainability performance of rail using the framework of the United Nations Sustainable Development Goals (UN SDGs).

The RSi is made up of a set of Key Performance Indicators (KPIs) which provide UIC members with a unique rating, presented as a dashboard, to keep track of progress supporting a range of these SDGs. A materiality assessment was carried out by a working group against all 17 goals to establish a shortlist of those most directly aligned to rail activities, and where a contribution can be easily demonstrated by the members. The following were deemed most relevant:



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