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Disclosure information

This report covers the reporting period from 1 January – 31 December 2019, and it has been prepared in accordance with the GRI Standards: Core option (2016).

Starting with the first environmental report in 1997, GF has been continuously expanding the recording and collection of sustainability-relevant data. Initially, only environmental indicators were collected, and since 2005, social indicators have been included in the report.

Reporting cycle

The comprehensive Sustainability Report has been published every two years since 2005, with an interim report published in the intervening years. Sustainability Reports from previous periods are available on the [GF website](#). Additionally, information on energy consumption, CO₂e emissions and management of water as a resource is also provided annually to CDP (Carbon Disclosure Project).

Scope of data collection and reporting

In the year under review and in line with the organizational adjustments of GF, the scope of reporting was adopted accordingly:

- + As part of the strategic realignment of GF Casting Solutions and to strengthen its positioning in the aluminum and magnesium light-metal segments, the iron foundry in Herzogenburg (Austria) was divested as of 30 September 2019. The foundry contributed a significant share to GF's environmental footprint. For this reason and to ensure data consistency and comparability over time, the environmental data presented in this report, in the KPI tables, and the indicators relevant for target achievement apply a 9/12 ratio (9 months of 2019) according to the site's respective consumption in the year under review.
- + Additionally, during 2019, the production capacities as well as 300 jobs were shifted from GF Casting Solution's location in Werdohl (Germany) to Romania and Austria. Due to the nature of the shift, its impacts will be transferred to two different locations as of reporting year 2020. For the year under review, the consumption data of this site is included in the data shown in the KPI tables. However, the calculation for target achievement indices does not include the site in Werdohl for all the previous years and is adapted accordingly compared to the information shown in the Sustainability Report 2018.
- + Two companies with three locations acquired by GF in the previous years (GF Precicast SA, Novazzano (Switzerland), GF Precicast SRL, Arad and GF Casting Solutions SRL, Pitești (both located in Romania)) were incorporated in the Sustainability Report in 2019 for the first time. Therefore, their data is included in the absolute figures presented in the KPI tables. However, as stated in the Sustainability Report 2017, these sites are excluded in the Sustainability Targets 2020.

In line with the previous reporting periods, the information presented in this Sustainability Report accounts for the equity share that GF owns in the individual companies under the Corporation's control. This is aligned with the approach used in financial reporting and is based on the following criteria:

- + All companies in which GF owns 50% or more of equity are consolidated at 100% and
- + For companies where GF has a joint venture participation of 50% or less, environmental and health and safety data are weighted accordingly.

Scope and calculation of Sustainability Targets 2020

The target achievement for the environmental indicators are calculated in relation to the production volume. The average consumption in the years 2013–2015 serves as a baseline to reflect a more realistic consumption path.¹

The Sustainability Targets were introduced in 2015 and have to be achieved within five years, i.e. by 2020 at year-end. In order to provide companies with a realistic timeframe for target achievement, companies that joined GF before 2017 are included in the calculation for the achievement of the Sustainability Targets 2020. Companies that joined later have individual targets. Business acquisitions, divestments as well as closures can also affect the results. Organizational adjustments during 2019 are explained in the section "Scope of data collection and reporting."

The companies acquired during 2019 have three years to be consolidated in the social and environmental reporting system. Economic performance indicators cover all of the companies under the scope of Corporate consolidation, as reported in the Annual Report 2019.

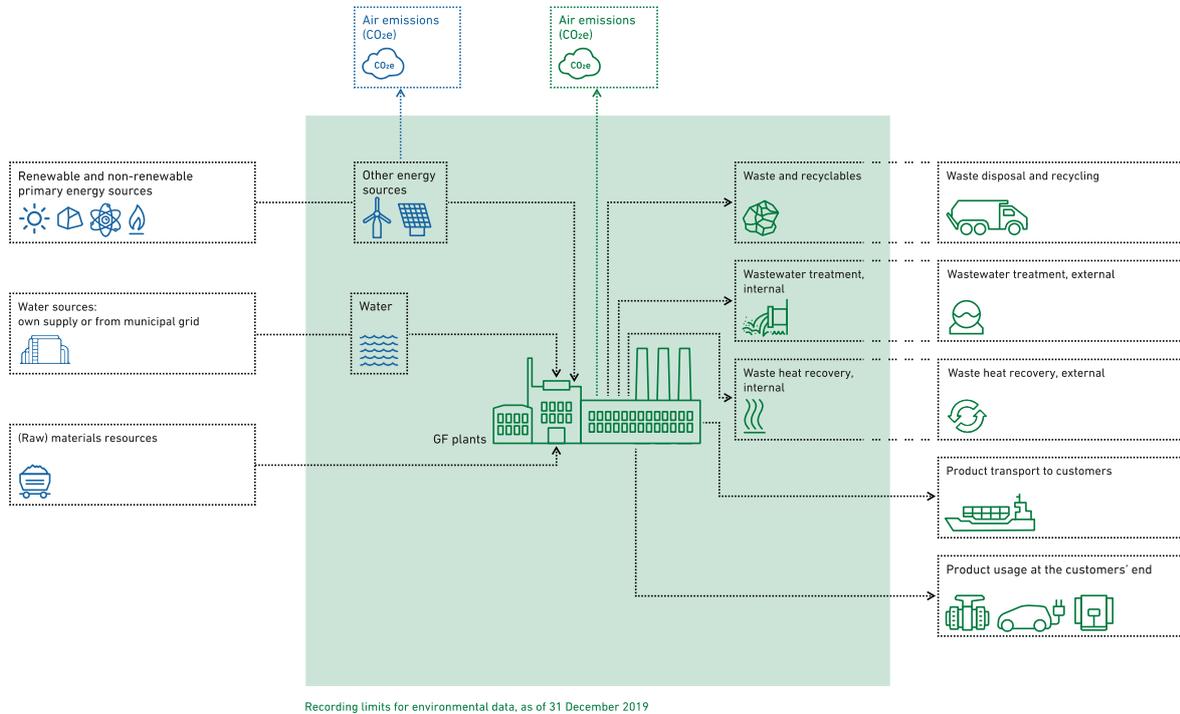
In the year under review, GF had 142 companies. About 72% of them report their indicators, which covers over 98% of the production sites and 96% of the total workforce.

The financial performance indicators follow Swiss GAAP FER principles (Swiss Generally Accepted Accounting Principles Accounting and Reporting Recommendations) and are consistent with those reported in the GF Annual Report 2019.

The social performance indicators are presented in this report based on the data collected from all sales and production companies worldwide with more than ten employees. They report this information to the sustainability teams at the divisional and Corporate levels on a monthly and bi-annual basis using the Sustainability Information System. Environmental performance indicators are reported by the production companies according to the same cycle.

With regard to environmental figures, GF tracks and records the energy and water consumption (on the input side) and air emissions, waste, and wastewater (on the output side). The environmental impact of transportation within GF's locations, as well

as business travel by plane or company car, is also calculated. The environmental footprint of purchased materials, the construction of facilities and buildings, as well as the use of products by customers are not yet covered at this point in time.



External assurance

Transparent and verified reporting is important to GF. Therefore, the Sustainability Report is externally assured by PricewaterhouseCoopers AG (PwC). This includes the validation and verification of selected environmental and social performance indicators relevant to the GRI-Standards: Core option.

¹ In any given year, some of the indicators may be influenced by random weather fluctuation, such as a cold winter, which translates into an increase in energy consumption for heating.

GRI content index

102 General Disclosures

GRI reference number	Disclosure title	Location of content		
		Sustainability Report 2019	Annual Report 2019	Other
Organizational profile				
102-1	Name of the organization	Landing page		
102-2	Activities, brands, products, and services	Our Corporation		
102-3	Location of headquarters	Worldwide presence		
102-4	Location of operations	Worldwide presence		
102-5	Ownership and legal form		Organization of GF GF share and shareholders	
102-6	Markets served	Our Corporation		
102-7	Scale of the organization	Worldwide presence	Key figures 2019	
102-8	Information on employees and other workers	Our people Social performance indicators	Key figures 2019	
102-9	Supply chain	Value Chain Procurement and logistics		
102-10	Significant changes to the organization and its supply chain		Georg Fischer Ltd statement of changes in equity 4. Corporate Structure	Media release regarding divestment of GF Casting Solutions
102-11	Precautionary principle or approach	Business conduct Topics of material importance		
102-12	External initiatives	Value Chain CDP Climate Change CDP Water Security		UN Global Compact CDP
102-13	Membership of associations			UN Global Compact
Strategy				

102-14	CEO statement	Message from the CEO	
	Ethics and integrity		
102-16	Values, principles, standards, and norms of behavior	Business conduct	Values Code of Conduct
	Governance		
102-18	Governance structure	Governance bodies	
	Stakeholder engagement		
102-40	List of stakeholder groups	Our stakeholders	Our stakeholders
102-41	Collective bargaining agreements	Employee representation	
102-42	Identifying and selecting stakeholders	Value Chain	
102-43	Approach to stakeholder engagement	Our stakeholders	
		Topics of material importance	
102-44	Key topics and concerns raised	Topics of material importance	
		Stakeholder dialogue	
		Employee satisfaction	
	Reporting practice		
102-45	Entities included in the consolidated financial statements	Scope of data collection and reporting	Scope and principles of consolidation
102-46	Defining report content and topic boundaries	Topics of material importance	
102-47	List of material topics	Topics of material importance	
102-48	Restatements of information	Scope of data collection and reporting	
102-49	Changes in reporting	Topics of material importance	
		Scope of data collection and reporting	
102-50	Reporting period	Disclosure information	
102-51	Date of most recent report		Short version – GF Sustainability Report 2018 Comprehensive version – GF Sustainability Report 2017
102-52	Reporting cycle	Reporting cycle	
102-53	Contact point	Contacts	
102-54	Claims of reporting in accordance with the GRI Standards	Disclosure information	
102-55	GRI content index	GRI content index	
102-56	External assurance	External assurance	
		External assurance	

200 Economic Topics

GRI reference number	Disclosure title	Location of content		
		Sustainability Report 2019	Annual Report 2019	Other
Economic performance				
103-1/2/3	Management approach disclosures	Message from the CEO	Letter to the shareholders	
201-1	Direct economic value generated and distributed	Key figures 2019	Georg Fischer Ltd income statement	
		Economic performance indications	1.5 Income taxes	
			Key figures 2019	
Indirect economic impacts				
103-1/2/3	Management approach disclosures	Value Chain		
203-1	Infrastructure investments and services supported	GF's contribution to SDG 6		
		Clean water foundation		
Anti-corruption				
103-1/2/3	Management approach disclosures	Value Chain		
		Good governance		
205-2	Communication and training about anti-corruption policies and procedures	Corporate Compliance		
Anti-competitive behavior				
103-1/2/3	Management approach disclosures	Good governance		
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices		Internal Audit and Corporate Governance	

300 Environmental Topics

GRI reference number	Disclosure title	Location of content		
		Sustainability Report 2019	Annual Report 2019	Other
Materials				
103-1/2/3	Management approach disclosures	Topics of material importance subpoint industrial ecology Waste and circular economy		
301-1	Materials used by weight or volume ¹			
Energy				
103-1/2/3	Management approach disclosures	Sustainability in our own operations Environment and Energy Sustainability Targets 2020 - our progress		
302-1	Energy consumption within the organization	Energy consumption Key figures 2019 Sustainability Targets 2020 - our progress Environmental performance indicators		
302-3	Energy intensity ²	Target achievement energy efficiency Key figures 2019 Sustainability Targets 2020 - our progress Environmental performance indicators		
302-4	Reduction of energy consumption	Energy consumption Key figures 2019 Sustainability Targets 2020 - our progress Environmental performance indicators		
Water				
103-1/2/3	Management approach disclosures	Sustainability in our own operations Water consumption Sustainability Targets 2020 - our progress		
303-1	Water withdrawal by source	Environmental performance indicators		
Emissions				
103-1/2/3	Management approach disclosures	Sustainability in our own operations		

		Emissions	
		Sustainability Targets	
		2020 - our progress	
305-1	Direct (Scope 1) GHG emissions	Emissions	
		Environmental performance indicators	
305-2	Energy indirect (Scope 2) GHG emissions	Emissions	
		Environmental performance indicators	
305-3	Other indirect (Scope 3) GHG emissions	Emissions	
		Environmental performance indicators	
305-4	GHG emissions intensity	Key figures 2019	
		Target achievement CO ₂ e emissions	
		Sustainability Targets	
		2020 - our progress	
		Environmental performance indicators	
305-5	Reduction of GHG emissions	Key figures 2019	
		Sustainability Targets	
		2020 - our progress	
		Emissions	
		Environmental performance indicators	
305-7	Nitrogen oxides (NO _x), sulfur oxides (SO _x), and other significant air emissions	Environmental performance indicators	
	Effluents and waste		
103-1/2/3	Management approach disclosures	Sustainability in our own operations	
		Water consumption	
		Waste and circular economy	
		Sustainability Targets	
		2020 - our progress	
306-1	Water discharge by quality and destination	Environmental performance indicators	
306-2	Waste by type and disposal method ³	Waste and circular economy	
		Environmental performance indicators	
	Environmental compliance		
103-1/2/3	Management approach disclosures	Sustainability in our own operations	
		Good governance	
307-1	Non-compliance with environmental laws and regulations ⁴		
	Supplier environmental assessment		
103-1/2/3	Management approach disclosures	Value Chain	
		Procurement and logistics	
308-1	New suppliers that were screened using environmental criteria	Sustainability Targets	
		2020 - our progress	

- ¹ **Omission** No comprehensive information is available at this point in regard to the total weight or volume of materials that are used to produce and package GF's primary products during the reporting period. The topic will be included in the environmental data collection process.
- ² **Comment** As per defined Sustainability Targets 2020, GF sets the goal to increase energy efficiency. The calculation thereof is a direct inverse of that for energy intensity.
- ³ **Comment** The types of waste disposal used by GF sites are indicated in the breakdown provided within the "Environmental performance indicators" table. No other disposal methods are applicable. The information on waste disposal methods is collected from and provided to the sites by waste disposal contractors.
- ⁴ **Omission** To the best of our knowledge, no incidents of non-compliance with environmental laws or regulations took place during the reporting period

400 Social Topics

GRI reference number	Disclosure title	Location of content		
		Sustainability Report 2019	Annual Report 2019	Other
Employment				
103-1/2/3	Management approach disclosures	Our stakeholders Employees and society Sustainability Targets 2020 - our progress		
401-1	New employee hires and employee turnover	Employee satisfaction Social performance indicators		
401-3	Parental leave ¹	Diversity and flexibility		
Occupational Health and Safety				
103-1/2/3	Management approach disclosures	Health and safety in the workplace Sustainability Targets 2020 - our progress		
403-2	Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities	Health and safety in the workplace Employee well-being and absence rate		
Training and education				
103-1/2/3	Management approach disclosures	Training and professional development Sustainability Targets 2020 - our progress GF's contribution to SDG 4		
404-2	Programs for upgrading employee skills and transition assistance programs	Training and professional development		
Diversity and equal opportunity				
103-1/2/3	Management approach disclosures	Diversity and flexibility		
405-1	Diversity of governance bodies and employees ²	Social performance indicators		
Non-discrimination				
103-1/2/3	Management approach disclosures	Diversity and flexibility		Code of Conduct
406-1	Incidents of discrimination and corrective actions taken	Social performance indicators		
Freedom of association and collective bargaining				
103-1/2/3	Management approach disclosures	Employee representation		
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	Sustainability Targets 2020 - our progress Employee representation		
Human rights assessment				
103-1/2/3	Management approach disclosures	Value Chain		

		Business conduct	
412-1	Operations that have been subject to human rights reviews or impact assessments ⁴		Internal Audit
	Supplier social assessment		
103-1/2/3	Management approach disclosures	Value Chain	
		Sustainability Targets	
		2020 - our progress	
414-2	Negative social impacts in the supply chain and actions taken	Procurement and logistics	
	Public policy		
103-1/2/3	Management approach disclosures	Our stakeholders	
415-1	Political contributions	Public policy	
	Customer health and safety		
103-1/2/3	Management approach disclosures	Product service information and labeling	
416-1	Assessment of the health and safety impacts of product and service categories ⁵	Product service information and labeling	
	Marketing and labeling		
103-1/2/3	Management approach disclosures	Product service information and labeling	
417-1	Requirements for product and service information and labeling	Product service information and labeling	
	Socioeconomic compliance		
103-1/2/3	Management approach disclosures	Value Chain	
		Business conduct	
419-1	Non-compliance with laws and regulations in the social and economic area ⁶		

¹ **Omission** Information is not available for all the countries where GF operates. In the future, the data collection process will be expanded.

² **Omission** Breakdown of governance bodies and employees by age group is not available at this point in time.

³ **Comment** One workplace incident, which was amicably resolved with the help of an external mediator.

⁴ **Omission** Human rights topics are included in internal audit procedures at individual locations. The selection of these locations is based on systematic and disciplined risk assessments in internal auditing. Details on the specific locations cannot be disclosed due to the underlying confidentiality as required by the internal audit charter.

⁵ **Omission** Information on the exact percentage of significant product and service categories assessed for health and safety impacts is currently unavailable.

⁶ **Omission** To the best of our knowledge, no incidents of non-compliance with laws and regulations in the social and economic area took place during the reporting period. GF does not disclose any details on its commercial litigation as a matter of internal policy, and in line with the applicable laws. GF can, however, confirm that no fines or non-monetary sanctions have been imposed on GF in 2019.

Georg Fischer AG

Schaffhausen

Independent Limited Assurance Report on the selected data and information of Georg Fischer Sustainability Report 2019

to the Board of Directors

Independent Limited Assurance Report

on the selected data and information of Georg Fischer Sustainability Report 2019

To the Board of Directors of Georg Fischer Ltd, Schaffhausen

We have been engaged to perform assurance procedures to provide limited assurance on the selected data and information of the 2019 Sustainability Reporting of Georg Fischer Ltd, Schaffhausen and its consolidated subsidiaries ("Georg Fischer Corporation") published in the Sustainability Report 2019.

Scope and subject matter

Our limited assurance engagement focused on the selected data and information disclosed in the Sustainability Report of Georg Fischer Corporation for the year ended on 31 December 2019:

- Selected sustainability indicators: 'GHG emissions – Scope 1' on page 86, 'GHG emissions – Scope 2 – location-based' on page 86, 'GHG emissions – Scope 2 – market-based' on page 86, 'GHG emission intensity index' on page 86, 'Total water consumption' on page 87, 'Total waste' on page 87, 'Hazardous waste' on page 87, 'Accident rate' on page 85, 'Fatalities – work-related' on page 85, 'Total Employee fluctuation' on page 84;
- The management and reporting processes to collect and aggregate the data as well as the control environment in relation to the data aggregation of these sustainability indicators.

The information covering the reporting period other than the year ended on 31 December 2019 where verified by another firm.

Criteria

The management reporting processes with respect to the sustainability reporting process and sustainability indicators were prepared by Georg Fischer Corporation based on the Georg Fischer sustainability reporting guidelines in accordance with the 'GRI Standards' published in October 2016 by the Global Reporting Initiative and on the Greenhouse Gas Protocol Initiative of the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD) (hereafter referred to as the 'suitable Criteria').

Inherent limitations

The accuracy and completeness of sustainability indicators are subject to inherent limitations given their nature and methods for determining, calculating and estimating such data. In addition, the quantification of the GHG emissions is subject to inherent uncertainty because of incomplete scientific knowledge used to determine GHG emission factors and the values needed to combine e.g. emissions of different gases. Our assurance report should therefore be read in connection with Georg Fischer's guidelines, definitions and procedures on the sustainability reporting and the suitable Criteria.

Georg Fischer's responsibility

The Board of Directors of Georg Fischer Ltd is responsible for both the subject matter and the suitable Criteria as well as for the selection, preparation and presentation of the selected data and information in accordance with the suitable Criteria. This responsibility includes the design, implementation and maintenance of related internal control relevant to this reporting process that is free from material misstatement, whether due to fraud or error.

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Our independence and quality controls

We are independent of the Georg Fischer Corporation in accordance with the International Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board for Accountants (IESBA Code) that are relevant to our audit of the financial statements and other assurance engagements in Switzerland. We have fulfilled our other ethical responsibilities in accordance with the IESBA Code.

Our firm applies International Standard on Quality Control 1 and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Our responsibility

Our responsibility is to express a limited assurance conclusion on whether anything has come to our attention to indicate that the identified sustainability indicators selected and contained in this report are not stated, in all material respects, in accordance with the suitable Criteria.

We planned and performed our procedures in accordance with the International Standard on Assurance Engagements (ISAE 3000) (Revised) 'Assurance engagements other than audits or reviews of historical financial information', and, in respect of greenhouse gas emissions, with the International Standard on Assurance Engagements (ISAE 3410) 'Assurance Engagements on Greenhouse Gas Statements'. These standards require that we plan and perform the assurance engagement to obtain limited assurance on the identified sustainability information prepared, in all material aspects, in accordance with Georg Fischer's internal policies and procedures.

A limited assurance engagement under ISAE 3000 (Revised) and ISAE 3410 is substantially less in scope than a reasonable assurance engagement in relation to both the risk assessment procedures, including an understanding of internal control, and the procedures performed in response to the assessed risks. Consequently, the nature, timing and extent of procedures for gathering sufficient appropriate evidence are deliberately limited relative to a reasonable assurance engagement and therefore less assurance is obtained with a limited assurance engagement than for a reasonable assurance engagement. The procedures selected depend on the assurance practitioner's judgement.

Summary of the work performed

Our assurance procedures included, amongst others, the following work:

- *Evaluation of the application of Corporation guidelines*
Reviewing the application of the Georg Fischer Corporation internal sustainability reporting guidelines;
- *Site visit and management inquiry*
Remote site visit procedures at Georg Fischer Casting Solutions Kunshan and Georg Fischer Piping Systems Shanghai in China. The selection was based on quantitative and qualitative criteria;
Interviewing personnel responsible for internal reporting and data collection at the site and at the Georg Fischer Corporate level;
- *Assessment of the key figures*
Performing tests on a sample basis of the evidence supporting selected sustainability indicators regarding their completeness, accuracy, adequacy and consistency;
- *Review of documentation and analysis of relevant policies and principles*
Reviewing relevant documentation on a sample basis, including Georg Fischer Corporation sustainability policies, management of reporting structures and documentation.

We have not carried out any work on data other than outlined in the scope and subject matter section as defined above. We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our assurance conclusions.

Conclusion

Based on our work performed nothing has come to our attention causing us to believe that in all material respects:

- a) The sustainability indicators on page 84 to 87 in the Sustainability Report 2019 of Georg Fischer Corporation and marked with a footnote '2019 PwC assured' are not stated in accordance with suitable Criteria; and

- b) The management of reporting processes with respect to the Sustainability Report and the preparation of sustainability indicators as well as the related control environment in relation to data aggregation of these key performance indicators are not implemented as designed.

PricewaterhouseCoopers AG



Stephan Hirschi

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Zurich, 18 June, 2020

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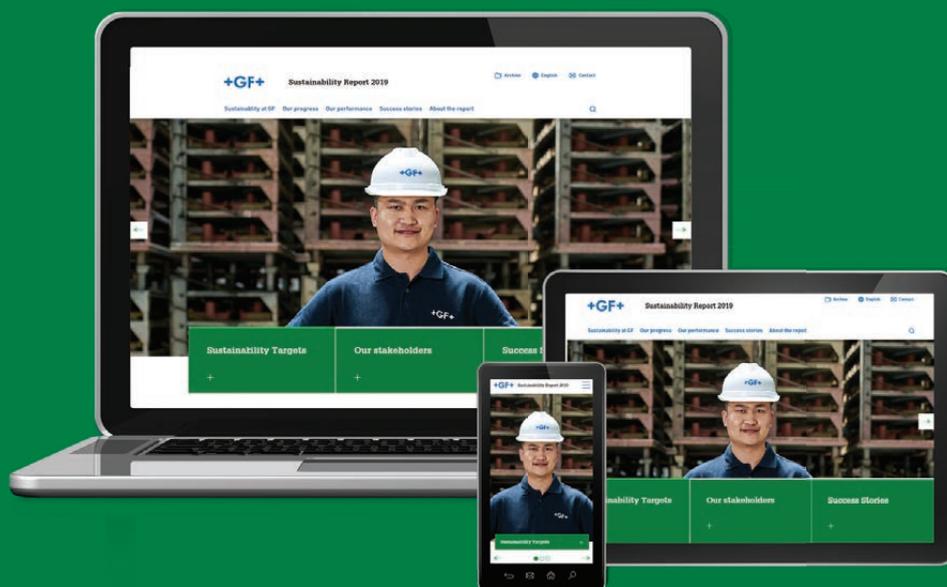
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Online Sustainability Report 2019

Find out more about GF's sustainability targets, progress and performance at sustainability-report.georgfischer.com/19/en



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Disclaimer

The statements in this publication relating to matters that are not historical facts are forward-looking statements that are not guarantees of future performance and involve risks, uncertainties, and other factors beyond the control of the company.

The Sustainability Report 2019 of GF is also available in German. In the event of any discrepancy, the English version shall prevail.

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