# **GRI** index

The following GRI index is based on V-ZUG's current materiality matrix, which we drew up in 2021 with input from external and internal stakeholders. Relevant information is presented transparently in this combined 2023 Annual Report and is supplemented with additional details in the index. The following table shows the association between the relevant GRI Standards and the subjects evaluated in the materiality process, plus the top-level focus topics.

Focus topic	s topic Subject GRI indicators Art. 964b OR		SDG	Page	
Products and services for a future-fit society	Circular product design	GRI 301, GRI 306	Environmental concerns, Article 964b para. 1 and 2	7, 9, 12, 13	P. 33
	Sustainable consumption and healthy nutrition	GRI 416	Social concerns, Article 964b para. 1 and 2	_	
Healthy and committed employees	Health and safety of employees	GRI 403	Employee concerns, Article 964b para. 1 and 2	8	P. 41
	Development of potential and know-how management	GRI 401, GRI 404	Employee concerns, Article 964b para. 1 and 2	_	
	Diverse and inclusive working culture	GRI 405	Employee concerns, Article 964b para. 1 and 2	_	
Environment and climate protection	Resource-efficient operations	GRI 302, GRI 303	Environmental concerns, Article 964b para. 1 and 2	7, 9, 12, 13	P. 49
			Climate reporting pursuant to the TCFD		P. 164
	Logistics and mobility	GRI 305	Environmental concerns, Article 964b para. 1 and 2	_	
Entrepreneurship for sustainable prosperity	Responsible and resilient supply chain	GRI 204, GRI 308, GRI 414	Environmental concerns, Article 964b para. 1 and 2; Social concerns, Article 964b para. 1 and 2; Respect for human rights, Article 964b para. 1 and 2	8, 9, 12	P. 57
			Child labour and conflict materials (DDTrO)		P. 178
	Long-term corporate success as added value for society	GRI 201, GRI 203	Social concerns, Article 964b para. 1 and 2	_	
	Business ethics and compliance	GRI 2-23, GRI 419	Prevention of corruption, Article 964b para. 1 and 2	_	

GRI: Global Reporting Initiative

Art. 964b OR: Code of Obligations, transparency on non-financial matters

SDG: UN Sustainable Development Goals

TCFD: Taskforce for Climate-related Financial Disclosure (Climate Report)

DDTrO: Ordinance on Due Diligence and Transparency regarding Minerals and Metals from Conflict-Affected Areas and Child Labour

# **General details**

Indicator	Description	Comment/reference
Foundation	n (2021)	
GRI1	Principles	V-ZUG Holding AG has reported in accordance with the GRI Standards for the period from 1 January 2023 to 31 December 2023.
The organis	sation and its reporting practices (2	2021)
GRI 2-1	Organisational details	V-ZUG Holding AG Company limited by shares under Swiss law; listed on the SIX Swiss Exchange stock market Headquarters: Zug, Switzerland See chapter "The V-ZUG Group in the Annual Report 2023"
GRI 2-2 Entities included in the organisation's sustainability reporting	•	The Annual Report covers the companies that make up V-ZUG Holding AG.  Unless otherwise stated, the Sustainability Report covers the following three companies (production sites): V-ZUG AG, V-ZUG Kühltechnik AG and V-ZUG (Changzhou) Special Components Co., Ltd. (see "About this report").
	The Annual Report (Financial Report) covers all the V-ZUG Group companies owned directly or indirectly by V-ZUG Holding AG.  Entities are consolidated in line with the consolidation approach.  See 2023 Annual Report.	
GRI 2-3	Reporting period, frequency and contact point	V-ZUG reports annually for the financial year, 1 January 2023 to 31 December 2023, reporting date: 31 December 2023  The Sustainability Report is being included as an integral part of the Annual Report for the
		first time. The resulting Annual Report is produced annually for the previous financial year (1 January 2023 to 31 December 2023, reporting date: 31 December 2023).
		The previous Sustainability Report was published on 28 April 2022.  The contact person for questions is Marcel Niederberger, Head of Sustainability;  marcel.niederberger@vzug.com
GRI 2-4	Restatements of information	The method for collecting the operational life cycle assessment data was refined, and figures for packaging material and hazardous substances were corrected. This has been retroactively adjusted for 2021 and 2022.
		The method for collecting Scope 3 emissions was refined and adjusted retrospectively (purchased goods and services: change from spend-based method to detailed product life cycle assessments for each product category and amount sold).
		A new source with a new emissions factor (0.112 tCO $_2$ /kWh) is used for Scope 2 emissions for electricity in 2023. This is applied retrospectively for previous years (previously: 0.096 tCO $_2$ /kWh).
GRI 2-5	External assurance	Our Scope 1 and $2\mathrm{CO}_2$ emissions (including offsetting) were validated externally by Swiss Climate. The Sustainability Report has not been externally audited as a whole.

# Indicator

# Description

### Comment/reference

# Activities and employees (2021)

GRI 2-6

Activities, value chain and other business relationships

Industry: Household appliances

Business model: Development, manufacture and sale of large household appliances (e.g. washing machines, ovens, refrigerators, etc.) Current product range at www.vzug.com/products

#### Value chain:

V-ZUG has its own sales companies in Australia, Austria, Belgium, China, Denmark, France, Germany, Ireland, Hong Kong, Luxembourg, the Netherlands, Norway, Singapore, Thailand, the United Kingdom and Vietnam. V-ZUG products are also available via distributors in Israel, Italy, Lebanon, Turkey, Ukraine and the USA. V-ZUG serves a total of 23 markets including Switzerland, its home market.

Business relations with Russia have been suspended due to sanctions. Business relations still exist with Ukraine, but there was no demand for appliances due to the war.

See chapter "Strategy and sustainability"

# Organisational supply chain:

In total, we work with and maintain long-term relationships with around 1,500 Tier 1 suppliers. We also have an estimated 5,000 additional indirect suppliers (Tier 2). Around 60% of our Tier 1 suppliers are based in Switzerland, and another 30% or so are located in nearby European countries. Payments amount to approximately CHF 200 million per year.

See chapter "Entrepreneurship for sustainable prosperity"

Downstream activities and entities:

Private customers, specialist retailers, property management companies and real estate

V-ZUG's products are sold predominantly via trade outlets. The traders sell them to installers and display them in various settings, including showrooms, where end consumers can obtain information about the products. V-ZUG also operates numerous exhibition and advisory centres as well as V-ZUG Studios worldwide. In addition to commercial firms and kitchen builders, key customer groups primarily include real estate management companies and real estate owners, as well as their agents (such as architects and general contractors). Private customers purchase V-ZUG appliances predominantly via specialist retailers, kitchen builders, general contractors and architects.

See chapter "Company profile", "Products and services for a sustainable society" Other relevant business relationships:

Strategic partnerships:

- · Tech Cluster Zug AG, Zug
- Universities and higher education establishments: HSLU, ZHAW, HWZ, FHNW, OST, FTH, FMPA
- SENS Foundation for recycling electrical and electronic appliances

# Social engagement:

At its production facilities in Zug, V-ZUG AG works with the "zuwebe" Foundation, enabling people with disabilities to integrate into the work process.

V-ZUG Kühltechnik AG has for many years maintained a partnership with Obvita, which supports the integration of people with visual disabilities and mental disorders into professional and social life. Via this collaborative initiative, a working group from Obvita regularly carries out assembly tasks at V-ZUG Kühltechnik AG's refrigerator production facilities.

Indicator	Description	Comment/reference
GRI 2-7	Employees	Total number of employees plus breakdown by gender and region:
		• Women: 500
		• Men: 1,608
		Switzerland: 1,863
		Europe (excluding Switzerland): 81
		• Asia: 140
		Australia: 24
		Total number of employees with permanent contracts:
		• Women: 443
		• Men: 1,492
		Switzerland: 1,764
		Europe (excluding Switzerland): 81
		• Asia: 68
		Australia: 22
		Total number of employees with fixed-term contracts:
		• Women: 57
		• Men: 116
		Switzerland: 99
		<ul> <li>Europe (excluding Switzerland): 0</li> </ul>
		• Asia: 72
		Australia: 2
		Employees with no guaranteed working hours:
		At V-ZUG, there are no employees without guaranteed working hours.
		Total number of full-time employees:
		• Women: 335
		• Men:1,485
		Switzerland: 1,580
		Europe (excluding Switzerland): 79
		• Asia: 140
		Australia: 21
		Total number of part-time employees:
		• Women: 165
		• Men: 123
		Switzerland: 281
		Europe (excluding Switzerland): 2
		Asia: 0
		Australia: 3
		V-ZUG's business operations do not cause any significant seasonal fluctuations in
		headcount.
		The 2023 figures relate to the V-ZUG Group (previous years: production sites)
GRI 2-8	- Workers who are	Temporary workers, appointed via external agencies: 11
2 0	not employees	External contractors (support): 119
	· · · · · · · · · · · · · · · · · · ·	The 2023 figures relate to the V-ZUG Group (previous years: production sites)

Indicator	Description	Comment/reference
Corporate :	management (2021)	
GRI 2-9	Governance structure and composition	V-ZUG Holding AG's Board of Directors (hereinafter "BoD") has three standing committees: the Audit Committee, the Human Resources and Compensation Committee and the Digitalisation Advisory Board.
		The Executive Committee's operational management structure is made up of the following departments (for details, see "Executive Committee" on our website):
		<ul> <li>CEO V-ZUG Group: Digital Transformation, Sustainability</li> <li>International department: Market Subsidiaries, Distributors, OEM Business, Business Development</li> <li>Finance department: Group Finance and Controlling, Business Controlling,</li> </ul>
		<ul> <li>Legal and Compliance</li> <li>Swiss Market department: Project Office, Controlling, Marketing, Customer Care, Field Service, Sales</li> </ul>
		<ul> <li>Operations department: Supply Chain Management, Project Management, Global Quality Management, Industrial Engineering, Cross Product Manufacturing, Manufacturing, Procurement, Infrastructure</li> <li>Engineering department: Product Segments, Quality &amp; Cost, Mechanical Design,</li> </ul>
		Software & Electronics, Competence Centre, Technology & Innovation, Corporate Design
		<ul> <li>Human Resources department: Competence Centre, Services &amp; IT Projects, Business Partners, Vocational Training</li> <li>Marketing department: Global Product Management, Global Marketing and</li> </ul>
		Communications, Communications Process Centre, Global Commercial Excellence
		Committees responsible for decision-making on environmental and social topics:  • Executive Committee (hereinafter "EC")
		<ul> <li>"V-ZUG Sustainability Workforce" working group led by the Head of Sustainability</li> <li>Internal auditors for quality, environment and occupational safety</li> </ul>
		In June 2020, the V-ZUG Group broke away from the Metall Zug Group and was simultaneously listed on SIX Swiss Exchange. Metall Zug AG retains around 30 % of
		V-ZUG Holding AG shares and remains an anchor shareholder.  See "Spin-off and listing" on our website.
GRI 2-10	Nomination and selection of the highest governance body	See 2023 Annual Report.
GRI 2-11	Chair of the highest governance body	The Chair of the highest governance body is Oliver Riemenschneider. Like all members of the Board of Directors, he is non-executive.  See 2023 Annual Report.
GRI 2-12	Role of the highest governance body in overseeing the management of impacts	Material topics are approved by the BoD and the EC. Building on this, medium and long-term sustainability goals are defined and approved by the BoD and the EC. Those members of the EC who are responsible for focus topics regularly evaluate the degree to which these topics have been achieved, together with the Head of Sustainability and the Sustainability Working Group.
		At the four regular BoD meetings each year, information regarding sustainability issues is regularly presented and/or proposals are submitted for decisions.
		Sustainability issues also form an integral part of the risk management process, which is overseen annually by the BoD.
		There is no structured stakeholder discussion regarding sustainability issues at board level. Issues are addressed as required.
		The Sustainability Report was integrated into the Annual Report for the reporting year and approved by the BoD.

Indicator	Description	Comment/reference
GRI 2-13	Delegation of responsibility for managing impacts	Overall responsibility is delegated to the CEO. Four members of the EC are each responsible for a single focus topic. The impact of measures and campaigns in terms of our focus topics is assessed three times a year.
		Annual sustainability reporting provides information about targets and the degree to which they have been met. It is made available to all stakeholders including the governance body.
GRI 2-14	Role of the highest governance body	The Sustainability Report was integrated into the Annual Report for the reporting year and approved by the BoD.
	in sustainability reporting	See "Interview with CEO Peter Spirig".
GRI 2-15	Conflicts of interest	Conflicts of interest must be disclosed and are avoided where possible. Failing this, members shall abstain from voting on any matter in which they have a conflict of interest (see "Organisational regulations" at https://www.zug.com/ch/en/corporate-governance).
GRI 2-16 C	Communication of critical concerns	Compliance-related matters must be reported to the official reporting point (compliance@vzug.com). The V-ZUG Group's Legal department is responsible for handling, documenting and finalising compliance-related cases.
		The Audit Committee is responsible for our whistle-blowing process as part of our Code of Conduct. The Legal department reports directly to the Audit Committee in such cases.
		In 2023, two cases were reported via compliance@vzug.com and dealt with by V-ZUG. No cases were reported via the external reporting point (The Swiss Crisis Intervention Foundation). Such reports are treated in confidence.
GRI 2-17	Collective knowledge of the highest governance body	The topic of "sustainable development" is discussed at all quarterly meetings of the BoD. In this way, the BoD is actively involved and keeps up to date with the latest information on the key sustainability issues for V-ZUG and the associated requirements, challenges, opportunities and risks.
GRI 2-18	Evaluation of the performance of the highest governance body	The performance of the BoD is not evaluated externally. The BoD conducts an annual self-assessment.
GRI 2-19	Compensation policy	See 2023 Annual Report, chapter "Compensation Report".
GRI 2-20	Process to determine remuneration	The process for determining remuneration (including the remuneration system) is laid down in the Compensation Report; see 2023 Annual Report, chapter "Compensation Report".
		The results of stakeholder voting regarding the compensation policies and proposals are published in the minutes of the Annual General Meeting.
GRI 2-21	Annual total compensation ratio	The compensation for the BoD and EC is disclosed in the Compensation Report.  See 2023 Annual Report, chapter "Compensation Report".

Indicator	cator Description Comment/reference	
Strategy, po	olicies and practices (2021)	
GRI 2-22	Statement on sustainable development strategy	See "Interview with CEO Peter Spirig".
GRI 2-23	Policy commitments	V-ZUG undertakes to trade in a responsible, entrepreneurial manner. Its operational principles are formalised in its Code of Conduct (revised in March 2023) and serve as a basis for its Code of Conduct for Suppliers (published in March 2023).
		Our Code of Conduct calls on us to treat everyone with respect and tolerance.  No discrimination whatsoever will be accepted.
		The amended version contains a stronger commitment to human rights and sets out the principles of good corporate governance as part of our vision, mission and core values.
		V-ZUG does not tolerate any form of corruption or active or passive bribery. This principle is part of our Code of Conduct and is further specified in our anti-corruption regulations.
		The precautionary principle is enshrined in V-ZUG's ethical principles and management guidelines and is monitored by an integrated management system (quality, environment and occupational safety). Certifications in accordance with ISO 9001, ISO 14001 and ISO 45001 at the Zug site (incl. service centres and V-ZUG Studios in Switzerland) also contribute to the precautionary principle, in the shape of preventive measures within the company's operations.
	Published documents (accessible via website):  ISO 9001 certificate (Zug site)  ISO 14001 certificate (Zug site)  ISO 45001 certificate (Zug site)	
		The Code of Conduct and the Code of Conduct for Suppliers contain a zero-tolerance stance towards forced labour and child labour.
		V-ZUG's key mission statements, codes of conduct and principles (see website) are:
		<ul> <li>Code of Conduct of the V-ZUG Group (see website, "Corporate Governance"), including guidelines for ethical business decisions</li> <li>Code of Conduct for Suppliers (see website, "Corporate Governance")</li> <li>Anti-corruption regulations (see website, "Corporate Governance")</li> <li>Vision, mission and core values</li> <li>Principles of collaboration</li> <li>Terms of Employment (TOE)</li> <li>Annex 1 to the TOE (ethical principles)</li> <li>ISO 9001, 14001 and 45001 certificates (including annexes, accessible via website)</li> <li>EU General Data Protection Regulation</li> <li>Swiss Data Protection Act</li> <li>Internal competency model</li> </ul>
		The Code of Conduct is approved by the BoD.
		The Code of Conduct applies globally to all employees, including members of the BoD and other governance bodies of companies belonging to the V-ZUG Group. The Code of Conduct is available in five languages.
		New joiners are trained in the Code of Conduct, and all employees sign it as part of their employment contract. The Code of Conduct is available on our website for business partners and stakeholders to view.
		The Code of Conduct for Suppliers forms part of supplier agreements. When onboarding new suppliers, we initiate self-assessments beforehand and, where necessary, pre-audits, and we obtain financial information.

Indicator	Description	Comment/reference
GRI 2-24	Embedding policy commitments	It is the job of V-ZUG management to ensure that all employees are familiar with the Code of Conduct, understand it and act accordingly.
		Regular training and e-learning courses take place for all employees, and compliance audits are carried out as required.
		If the Code of Conduct for Suppliers is breached, action plans will be drawn up together with our suppliers. In the case of insufficient progress or repeated breaches of the Code of Conduct for Suppliers, the partnership will be terminated.  See also: GRI 2-23.
GRI 2-25	Processes to remediate negative impacts	V-ZUG has an internal process for dealing with grievances, which are handled on a case-by-case basis.
		In the event of negative impacts, an internal team will draw up further measures (e.g. product safety, emergency and crisis management).
GRI 2-26	Mechanisms for seeking advice and raising concerns	Employees who believe in good faith that certain behaviour violates our Code of Conduct have a duty to report such behaviour to their manager or, ultimately, to the Legal department (compliance@vzug.com). Such reports are treated in confidence. Employees who report in good faith a potential violation of the Code of Conduct need have no fear that reporting their suspicions will have negative repercussions for their employment at the company. There is also an external reporting point for serious grievances (e.g. bullying, sexual harassment).
GRI 2-27	Compliance with laws and regulations	V-ZUG complies with laws and regulations worldwide.
GRI 2-28	Membership associations	V-ZUG AG is a member of or is represented on the board of the following associations and interest groups:
		<ul> <li>aha! Swiss Allergy Centre (joint venture)</li> <li>amk - "The Modern Kitchen" working group</li> <li>Economiesuisse</li> <li>Electrosuisse - Association for electrical, energy and information technology</li> <li>EEBUS - Empowering the digitalisation of Energy transition</li> <li>ETH Foundation</li> <li>Europa Forum / Lucerne Dialogue</li> <li>FEA (the Swiss association for household and commercial appliances), board member</li> <li>IG exact (Excellence in Applied Electronics and Technologies)</li> <li>Zug+ Climate Charter Initiative</li> <li>Küche (the Swiss kitchen association), board member</li> <li>PWN Professional Women's Network</li> <li>SWISSMEM, the Swiss association for mechanical and electrical engineering industries, board member</li> <li>SENS eRecycling, foundation for recycling electrical and electronic appliances, board of trustees</li> <li>sia - Swiss Society of Engineers and Architects</li> <li>Suissetec</li> <li>Switzerland Innovation Park Central (member)</li> <li>tfz - Technologie Forum Zug (board)</li> <li>öbu - Swiss Business Council for Sustainable Development</li> <li>Association for the Decarbonization of Industry</li> <li>Zug Chamber of Commerce, member (board)</li> <li>Zurich Chamber of Commerce</li> </ul>

Indicator	Description
Stakeholder	engagement (

# Comment/reference

# ngagement (2021)

GRI 2-29

Approach to stakeholder engagement

Key stakeholder groups have been defined in dialogue with internal departments. To achieve broad-based support for our materiality process (last revised in 2021), we consulted 68 representatives of V-ZUG's central stakeholders in an online survey. These included the Board of Directors, Executive Committee, employees, customers, partners, suppliers, banks, investors and representatives from politics and academia.

The materiality matrix that resulted from the consultation forms an important basis for reporting.

V-ZUG's stakeholders are engaged as follows:

- Customers: customer surveys, customer contact (around 300 service technicians in field sales and customer service), customer magazine ("ZugerRötel" in the Swiss market, "V-ZUG Inspirations" in international markets), guided tours of the Zug production site. In order to experience the wide variety of product functions, free appliance demonstrations are additionally offered by V-ZUG customer advisors.
- Employees: employee survey, intranet and Yammer (internal social media platform); specialist internal communication unit and various central and local functions (including Human Resources, Legal and Compliance, and management)
- Investors/shareholders: General Meetings, Annual Report, investor roadshows
- Suppliers: supplier audits
- Sales partners: annual product presentation and various symposiums, trade fairs and
- Trade unions: within the context of the collective employment agreement (CEA)
- Media: information provided by Corporate Communications & Investor Relations
- Research and education: board activities (e.g. on the board of the MINERGIE association), participation in working groups with educational institutions

GRI 2-30

Collective bargaining agreements

All employees at the Zug site in Switzerland are subject to the collective employment agreement (CEA) of the Association of Swiss Engineering Employers (ASM). The current CEA for the Swiss MEM industries came into effect on 1 July 2023 and is valid until 30 June 2028. The employees' associations Angestellte Schweiz, Unia, Syna, Swiss Association of Commercial Employees, Schweizer Kader Organisation (SKO) and the employers' association ASM are involved as negotiation partners.

It is important for V-ZUG that employees are able to represent their interests and participate in the company's development. According to the CEA, the employee representative body represents the interests of the workforce to HR and the EC and works to ensure the CEA provisions are adhered to. It also seeks to promote trusting collaboration between the EC and employees, helps to create attractive working conditions and acts as a contact and advisory point in case of differences of opinion. The members of the employee representative body are elected in predefined electoral groups by all employees.

The Sulgen site (V-ZUG Kühltechnik) and the Changzhou site in China are not subject to a collective bargaining agreement. V-ZUG Kühltechnik is a separate legal entity, and employment contracts are subject to the individual employment contract and the Swiss Code of Obligations. Employment contracts in Changzhou are concluded in line with V-ZUG employment guidelines and in accordance with human rights conventions.

# Specific details

Aspect	Indicator	Description	Comment/reference			
Key issues	GRI 3 (2021)					
GRI 3-1		Process to determine material topics	Our list of material topics was I the Sustainability Workforce resustainability topics. We then copriority areas and consolidated topics. These provide the struct broad-based support for our marepresentatives of V-ZUG's cer. These included the BoD, EC, et suppliers, banks, investors and academia. The results were su with selected members of the based our deliberations on the assessments. We then drew u See chapter "Strategy and sustopics: Framing and impact".	vised the list of por combined these 1' I them to form gro- trure for our repor- ateriality process ntral stakeholders mployees, custon I representatives beequently discu EC and the BoD. I findings of our life p an appropriate i	otentially releaded topics into foundbreaking ting. To achies, we consulted in an online mers, partner from politics assed and find the cycle and Commateriality materiality materiality meters.	vant four four focus eve ed 68 survey. s, and alised cO <sub>2</sub> atrix.
GRI 3-2		List of material topics	See chapter "Strategy and sus	tainability".		
	rvices for a future	e-fit society				
Circular product desi						
GRI 3-3		Management of material topics	See "Products and services for and climate protection" and ov impact".		-	
GRI 3-3 GRI 301	GRI 301-1	•	and climate protection" and ov	erview "Material t	-	
		material topics	and climate protection" and ov impact".	erview "Material t	-	
GRI 301		material topics  Materials used	and climate protection" and ov impact".  Materials used by type (in tonn	erview "Material t	opics: Framir	ng and
GRI 301		material topics  Materials used	and climate protection" and ov impact".  Materials used by type (in tonn  Type of material	erview "Material t es):	opics: Framir	ng and
GRI 301		material topics  Materials used	and climate protection" and ov impact".  Materials used by type (in tonn  Type of material  Iron	es):  2021 7,426	2022 8,031	2023 5,65
GRI 301		material topics  Materials used	and climate protection" and ov impact".  Materials used by type (in tonn  Type of material  Iron  Stainless steel	es):  2021 7,426 1,755	2022 8,031 1,711	2023 5,65 1,378
GRI 301		material topics  Materials used	and climate protection" and ov impact".  Materials used by type (in tonn  Type of material  Iron  Stainless steel  Aluminium	es):  2021 7,426 1,755 229	2022 8,031 1,711 148	2023 5,65 1,378

Aspect	Indicator	Description	Comment/reference			
GRI 306 Waste (2016)	GRI 306-1	Waste generation and significant waste-related	See chapter "Products and servic "Environment and climate protect		inable societ	ty" and
		impacts	Published documents (accessible • Environmental policy (Zug site)	e via website):		
			Examples of relevant internal docu • Hazardous goods checklist	uments:		
	GRI 306-2	Management of significant waste-related impacts	See chapter "Products and servic "Environment and climate protect		inable societ	ty" and
	GRI 306-3	Waste generated	Waste by type (in tonnes):			
			Type of waste	2021	2022	2023
			Waste wood	688.4	738	396.7
			Bulky industrial/commercial items	236.7	230	284.1
			Plastics	45.3	166	183.1
			Scrap metal	1,866.6	1,892	1,689.1
			Paper/cardboard	528.9	668	648.1
			Oils, fats, lubricants	14.0	3.6	2.4
			Special waste	28.0	19.6	23.
			Returned household appliances 1	1,304.8	923.9	1,167.6
			Other (old tyres, electrical waste, green waste)	26.2	24.3	24.7
			This figure corresponds to the nuthat customers returned to V-ZU In the Swiss market (in 2023, approached appliances in circulated disposal (the collection rate is also collection rate and the recycling annual report of the SENS Found to organise the return and profest appliances). V-ZUG plays an actionant of the Sens on the	G via its own orox. 85% of set), virtually 10 ion are return most 100%). rate are publication (tasked ssional recycli ve role in the	service orga V-ZUG applii 00% of the ed for profes Details regar shed each ye by manufact ng of electric SENS Found	nisation. ances sional rding the ear in the turers cal lation,
			Waste by disposal type:			
			Type of disposal	2021	2022	2023
			Recycled	79.6 % 	78.6 %	81.7 %
			Composted	0.3 %	0.2 %	0.3 %
			Incinerated	19.5 %	20.7 %	18.0 %
			Special waste	0.6 %	0.5 %	0.6 %
			Scrap metal and returned househ waste wood is incinerated. Hazard and other special waste) makes u generated and is disposed of or re	dous waste (o p a small prop	ils, fats, lubric portion of the	cants

Aspect	Indicator	Description	Comment/reference				
	GRI 306-4	Waste diverted	Waste by disposal type in tonnes:				
		from disposal	Type of disposal	2021	2022	2023	
			Recycled	3,770.3	3,666.8	2,416.9	
			Composted	15.1	11.0	10.3	
			Main recycling partner for re Thommen Recycling, ISO 1		:		
			We do not export any waste	Э.			
	GRI 306-5	Waste directed	Waste by disposal type in t	onnes			
		to disposal	Type of disposal	2021	2022	2023	
			Incinerated	925.2	968	680.8	
			Special waste	28.0	19.6	23.1	
			We do not dispose of any w	vaste in landfill sites	s.		
GRI 3-3		Management of material topics	See chapter "Products and "Entrepreneurship for susta "Material topics: Framing ar	ainable prosperity" a			
GRI 416 Customer health and safety (2016)	GRI 416-1	Assessment of the health and safety impacts of product and service categories	All operating instructions for on safe use, proper disposa appliance, as well as tips for washing machines). Our appliance our appliances satisfy the EWEEE directive, this means are labelled according to the contain information about p	al of packaging mat or saving energy (and opliances meet the I ces for household u EU's ROHS and WEE is in particular that all he standard and the	erials and of d water, in the EC 60335-1 ise). Furthern EE directives. I V-ZUG appl	the e case of standard nore, For the iances	
			In addition, in the installatio are aimed directly at installationeds to be taken into according them to function as well efficiency.	ation professionals, ount when installing	we describe our appliance	what	
	GRI 416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	No incidents.				

Aspect	Indicator	Description	Comment/reference				
Healthy and committed employees							
Health and safety of	employees						
GRI 3-3		Management of material topics	See chapter "Healthy and committed employees" and overview "Material topics: Framing and impact".				
			The health and safety at work policy forms part of the management process and supports the V-ZUG organisation and its strategy. Numerous processes and specification documents are held in the internal management system. Safety management conforms with legal requirements and meets the guidelines published by the Federal Commission for Occupational Safety and the ISO 45001 standard (Zug site). The organisation actively seeks not only to meet the minimum legal requirements but also to get employees to participate actively by involving them in work processes and promptly implementing suggestions for improvements. Internal occupational safety experts and the in-house paramedic (at the Zug site) are available to advise employees in all matters regarding health, the prevention of occupational accidents, occupational illnesses and leisure-time accidents. Training and campaigns are intended to motivate managers and staff to incorporate occupational health and safety into their everyday activities.				
			Published documents (accessible via website):				
			<ul><li>ISO 45100 certificate (Zug site)</li><li>Policy on health and safety at work (Zug site)</li></ul>				
			<ul><li>Examples of relevant internal documents:</li><li>Emergency response strategy</li><li>Safety patrol.AA</li><li>Procedure for determining hazards.AA</li></ul>				

I 403-9, 3-10	Work-related accidents, illnesses and lost days	In the case of accidents, we recupational accidents, mind occupational accidents (leisu No such distinction is made for Lost hours by cause:  Cause  Illness	or occupational acure-time accidents for illnesses when 2021	cidents and (s).	non- atistics.
		Cause		2022	
				2022	
		Illness			2023
			109,410	138,088	104,813
		Occupational accident	9,619	6,922	7,491
		Non-occupational accident	13,837	13,388	13,590
		Total	132,866	158,398	125,894
		employees".  Occupational accidents by LT	TIR:		
			2021	2022	2023
		LTIR	14.6	15.2	13.2
		Occupational fatalities in the	reporting year: 0		
		See "Targets, facts and figure employees".	es" in chapter "Hea	althy and cor	nmitted
				le those for 2	!022 and
d know-how	management				
	Management of material topics		· ·	es" and over	view
d	know-how	<del>-</del>	employees".  Figures for 2023 refer to the 2021 refer to our productions  know-how management  Management of See chapter "Healthy and co	employees". Figures for 2023 refer to the V-ZUG Group, whi 2021 refer to our production sites.  know-how management  Management of See chapter "Healthy and committed employee	employees". Figures for 2023 refer to the V-ZUG Group, while those for 2 2021 refer to our production sites.  know-how management  Management of See chapter "Healthy and committed employees" and over

Aspect	Indicator	Description	Comment/referer	nce	
GRI 401	GRI 401-1	Total number and rate of	Number of newly hired	employees:	
Employment (2016)		newly hired employees and staff turnover	2021	2022	2023
		and Stail turnover	258	280	298
			Rate of newly hired em	oloyees:	
			2021	2022	2023
			14.7 %	15.1 %	14.1 %
			Staff turnover:		
			2021	2022	2023
			12.5 %	10.9 %	14.4 %
		programmes	connect", V-ZUG specifications and a culture of on request, to be release ment within or outside the met. V-ZUG will pay all of the connections are connected to the connection of the connectio	lifelong learning. Er sed from their work the company, provid	mployees have the right for professional develo
			request.  For more information, s employees".	ee chapter "Health	
Diverse and inclusive	working culture		For more information, s	ee chapter "Health	
<b>Diverse and inclusive</b> GRI 3-3	working culture	Management of material topics	For more information, s	nd committed emp	y and committed
	working culture	•	For more information, s employees".  See chapter "Healthy a	nd committed emp	y and committed  oloyees" and overview

Aspect	Indicator	Description	Comment/reference			
GRI 405 Diversity and equal opportunity (2016)	GRI 405-1	Percentage of people in governance bodies and	Employees by gender and hiera (including Board of Directors)	rchical level		
		among employees, by	Gender	2021	2022	2023
		gender and age group	Women on the Board of Directors	3	3	3
			Men on the Board of Directors	3	3	3
			Women on the Executive Committee	2	2	2
			Men on the Executive Committee	6	6	4
			Female managers	107	111 1)	1101
			Male managers	408	4321)	4371
			Female employees	273	290	385
			Male employees	965	1,006	1,164
			Total women	385	406	500
			Total men	1,382	1,447	1,608
			Age group		2022	202
			Under 30	308	334	354
			30-50	907	953	1,09
			Over 50	546	560	657
			See chapter "Healthy and comr "Corporate Governance" for det BoD and EC (including ages).  Figures for 2023 refer to the V-2 2021 refer to our three productions.	ailed information	on membe	rs of the
Environment and cl	imate protect	ion				
Resource-efficient oper	rations					
GRI 3-3		Management of material topics	See chapter "Products and sen "Environment and climate prote Framing and impact".	ction" and overvi		l topics:
				ole via website):		
			Published documents (accessil	·		
			Published documents (accessil ISO 14001 certificate (Zug sit Environmental policy (Zug sit	e)		
			• ISO 14001 certificate (Zug sit	e)		
			<ul><li>ISO 14001 certificate (Zug sit</li><li>Environmental policy (Zug sit</li></ul>	e) e) ocuments:		

Aspect	Indicator	Description	Comment/reference			
GRI 302	GRI 302-1	Energy consumption	Absolute energy consun	nption in terajoules:		
Energy (2016)		within the organisation	2021	2022	2023	
			114.6	108.7	107.7	
			See "Targets, facts and f	figures" in chapter "Envi	ironment and	l climate
	GRI 302-2	Energy intensity	See "Targets, facts and f protection".	figures" in chapter "Envi	ironment and	d climate
GRI 303 Water and	GRI 303-3	Water withdrawal	Water withdrawal by site	in megalitres:		
effluents (2018)				2021	2022	2023
			Zug	29.3	29.3	31.7
			Arbon	19.5	2.3	-
			Sulgen	0.4	1.2	1.2
			Changzhou	0.4	0.4	0.3
			Total	49.6	33.2	33.2
			The water withdrawn is e	equivalent to the water f	ed back.	
Logistics and mobility	1	Management of material topics	The water withdrawn is e  See chapter "Environme "Key topics: Framing and	ental and climate protec		erview
	, 		See chapter "Environme	ental and climate protect d impact". In Scope 1 and 2 and the production sites were ex ssurance Statement: Ca	tion" and ove e statement r kternally valid	egard- lated
GRI 3-3 GRI 305	GRI 305-1		See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments ir ing carbon neutrality at p by Swiss Climate (see A	ental and climate protect d impact". In Scope 1 and 2 and the production sites were ex ssurance Statement: Ca ss).	tion" and ove e statement r kternally valid arbon Footpr	egard- lated int and
GRI 3-3		material topics	See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments ir ing carbon neutrality at p by Swiss Climate (see At Compensation Measure  For Scope 1, the following  Direct emissions of owned or controlled	ental and climate protected impact".  In Scope 1 and 2 and the production sites were expensive Statement: Cases.  In Scope 1 and 2 and the production sites were expensive services and the production sites were expensive services.	e statement r dernally valid arbon Footpr n into accoun om sources	egard- lated int and t:
GRI 3-3 GRI 305		material topics	See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments ir ing carbon neutrality at p by Swiss Climate (see At Compensation Measure  For Scope 1, the following  Direct emissions of	ental and climate protected impact".  In Scope 1 and 2 and the production sites were expensive Statement: Cases.  In Scope 1 and 2 and the production sites were expensive services and the production sites were expensive services.	e statement r dernally valid arbon Footpr n into accoun om sources	egard- lated int and t:
GRI 3-3 GRI 305		material topics	See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments in ing carbon neutrality at p by Swiss Climate (see Ac Compensation Measure  For Scope 1, the following  Direct emissions of owned or controlled Emissions in tonnes of Compensation of	ental and climate protected impact".  In Scope 1 and 2 and the production sites were expensive surance Statement: Cape.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and 2 and the production sites were expensive sites.  In Scope 1 and 2 an	e statement roternally validarbon Footpromininto accounting sources 11):	egard- lated int and t: that are
GRI 3-3 GRI 305		material topics	See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments ir ing carbon neutrality at p by Swiss Climate (see At Compensation Measure  For Scope 1, the following  Direct emissions of owned or controlled	ental and climate protect drimpact".  In Scope 1 and 2 and the production sites were experience Statement: Carlos).  In Scope 1 and 2 and the production sites were experience Statement: Carlos).  In Scope 1 and 2 and the production sites were experience and the production sites were experienced by Statement Carlos (Scope depuisalents (Scope and Scope depuisalents (Scope and Scope depuisalents (Scope depuisalents (Scope depuisalents (Scope depuisalents depu	e statement r kternally valid arbon Footpr n into accoun om sources 1):	egard-lated int and t: that are
GRI 3-3 GRI 305		material topics	See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments ir ing carbon neutrality at p by Swiss Climate (see Ar Compensation Measure  For Scope 1, the following  Direct emissions of owned or controlled Emissions in tonnes of Co	ental and climate protected impact".  In Scope 1 and 2 and the production sites were expensive surance Statement: Cape.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and 2 and the production sites were expensive sites.  In Scope 1 and 2 an	e statement recording to the statement of the statement o	egard- lated int and t: that are
GRI 3-3 GRI 305		material topics	See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments ir ing carbon neutrality at p by Swiss Climate (see At Compensation Measure  For Scope 1, the following  Direct emissions of owned or controlled Emissions in tonnes of Co  Petrol Diesel	ental and climate protect d impact".  In Scope 1 and 2 and the production sites were expensive sites and sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the production sites were expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 and the protect sites are expensive sites.  In Scope 1 and 2 an	e statement resternally validarbon Footprom sources:  2022 1711	egard-lated int and tr. that are 2023
GRI 3-3 GRI 305		material topics	See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments in ing carbon neutrality at p by Swiss Climate (see Ast Compensation Measure  For Scope 1, the following Direct emissions of owned or controlled Emissions in tonnes of Compensation  Petrol Diesel Heating oil	ental and climate protected impact".  In Scope 1 and 2 and the production sites were experience Statement: Cases).  In Scope 1 and 2 and the production sites were experience Statement: Cases.  In Scope 1 and 2 and the production sites were experience experience and the production sites were experienced by Case 2 and the production sites were experienced by V-ZUG.  In Scope 1 and 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites were experienced by Case 2 and the production sites and the production sites and the production sites and the production sites are producted by Case 2 and the production sites are producted by Case 2 and the production sites are producted by Case 2 and the production sites are producted by Case 2 and the producted b	e statement r kternally valid arbon Footpr in into accoun om sources  1):  2022  1711  29	egard-lated int and t: t: that are 2023
GRI 3-3 GRI 305		material topics	See chapter "Environme "Key topics: Framing and The CO <sub>2</sub> assessments ir ing carbon neutrality at p by Swiss Climate (see Ast Compensation Measure  For Scope 1, the following  Direct emissions of owned or controlled Emissions in tonnes of Compensation  Petrol Diesel Heating oil Natural gas	ental and climate protect dimpact".  In Scope 1 and 2 and the production sites were experience Statement: Carlos).  In Scope 1 and 2 and the production sites were experience Statement: Carlos (Scope greenhouse gases from by V-ZUG.  In Scope 2021  2  1,770  560  1,763	e statement r kternally valid arbon Footpr in into accoun om sources  1):  2022  1711  29  1,668	egard-lated int and t: that are C 1,706

Aspect	Indicator	Description	Comment/referen	ce	
	GRI 305-2	Indirect energy-related GHG emissions (Scope 2)	of purchased electric Zug (V-ZUG AG) and and Changzhou (V-ZU Ltd.). This correspond and energy sourced f The district heat prod essentially no emissi used. Low-emission Swiss Sulgen.	gas emissions resultity and district heat the sites at Sulgen UG (Changzhou) Spds to the reported effrom district heating duced by the MEH at ons, other than peathydroelectric power.	alting from the generation at the headquarters in (V-ZUG Kühltechnik AG) ecial Components Co., lectricity consumption g. at the Zug site generates k gas that is occasionally r is used at Zug and
			Emissions in tonnes of 0	2022	2023
				225	145
			<b>2021</b> 1,754	1,837	<b>2023</b> 1,585
			See "Targets, facts and Scopes for CO <sub>2</sub> neutralit protection".	-	
			Supplementary note:		
			For the Zug production of production site, 100 % he purchased (Swiss-sourcexpansion of renewable accordingly in line with the asper the reporting regions.	hydropower has for ced in 2023) in order energy. The $\mathrm{CO}_2$ etche certificate of original controls.	many years been or to support the missions are declared gin (market-based,
			For reasons of compara (location-based) are also discussions regarding that is purchased and the	o shown. This comp he known discrepar	parison is helpful in necy between the power
			The electricity consump	otion of electric vehi	cles is now also included

Aspect	Indicator	Description	Comment/reference			
	GRI 305-3	Other indirect	Screening emissions in tonnes of	of CO <sub>2</sub> (Scop	e 3):	
		GHG emissions (Scope 3)		2021	2022	2023
		(000)00 0)	Purchased goods and services (1)	96,845 (22.4%)	82,234 (19.7%)	66,987
			Capital goods (2)	15,895 (3.7%)	12,700	9,869
			Fuel and energy-related emissions (not included in Scope 1 or 2) (3)	1,593 (0.4%)	1,050 (0.3%)	950
			Upstream transportation and	4,148	4,434	3,427
			distribution (4)	(1.0 %)	(1.1%)	(1.0 %
			Waste (5)	1,048 (0.2%)	812 (0.2%)	975 (0.3%)
			Business travel (6)	871 (0.2%)	899 (0.2%)	1,060
			Employee commuting (7)	1,273 (0.3%)	1,375 (0.3%)	1,289
			Upstream leased assets (8)	1,186	1,623 (0.4%)	1,699
			Use of sold products (11)	300,833 (69.6%)	304,048 (72.8%)	244,824
			End-of-life treatment	8,276	8,351	6,907
			of sold products (12)	(1.9%)	(2.0%)	(2.0%
			Downstream leased assets (13)	87 (0.0 %)	91 (0.0%)	91
			Total Scope 3	432,057	417,617	338,078
			Change to 2020 base	(- 6.1%)	(- 9.2%)	(- 26.5%)
			Scope 3 refers to the entire V-ZUG	Group.		
			The categories "Downstream trans "Processing of sold products" (10), and "Investments" (15) were not recof minimal relevance in our context	"Franchises" corded becau	(14)	. ,,
Entrepreneurs	ship for sustainable	prosperity				
Responsible and	I resilient supply chain					
GRI 3-3		Management of material topics	See chapter "Entrepreneurship for and overview "Material topics: Fran			
			Published documents (accessible	via website):		
			<ul><li> Environmental policy (Zug site)</li><li> Code of Conduct for Suppliers</li></ul>			
			Examples of relevant internal docu	ments:		
			V-ZUG Group Code of Conduct			
			<ul><li>Supplier audit questionnaire</li><li>Supplier contract</li></ul>			
		_	Supplier contract			

Aspect	Indicator	Description	Comment/reference
GRI 204 Procurement practices (2016)	GRI 204-1	Proportion of spending on local suppliers	Around 60% of our suppliers are based in Switzerland, and another 30% or so are located in nearby European countries. We obtain most of our electronics components from highly specialised markets in Asia.
GRI 308 Supplier environmental assessment (2016)	GRI 308-2	Number of suppliers assessed for environmental impact	See "Targets, facts and figures" in chapter "Entrepreneurship for sustainable prosperity".
GRI 414 Supplier social assessment (2016)	GRI 414-2	Number of suppliers assessed for social impact	See "Targets, facts and figures" in chapter "Entrepreneurship for sustainable prosperity".
Long-term corporate s	uccess as added	value for society	
GRI 3-3		Management of material topics	See chapters "Company profile", "Entrepreneurship for sustainable prosperity" and "Material topics: Framing and impact".
GRI 201 Economic performance (2016)	GRI 201-1	Direct economic value generated and distributed	See "Financial Report", 2023 Annual Report.
GRI 203 Indirect economic impacts (2016)	GRI 203-1	Infrastructure investments and services supported	V-ZUG invests via various projects and partnerships in its production sites and a sustainable, integrated infrastructure, particularly at its main site in Zug (see Tech Cluster Zug) and with the new building for V-ZUG Kühltechnik AG in Sulgen.
			See chapters "Environment and climate protection", "Entrepreneurship for sustainable prosperity" and the "Real Estate" segment report, 2023 Annual Report.
Business ethics and co	mpliance		
GRI 3-3		Management of material topics	See chapters "Entrepreneurship for sustainable prosperity" and "Material topics: Framing and impact". For embedding policy commitments, see "GRI 2-23" and "GRI 2-24".
GRI 419 Socio-economic com- pliance (2016)	GRI 419-1	Non-compliance with laws and regulations in the social and economic area	V-ZUG complies with laws and regulations worldwide.