

# Pioneering industrial technology for more than 200 years

### **GF Corporate**

# **1802**GF founded in Schaffhausen



Johann Conrad Fischer

### **GF Piping Systems**

**1864**First piping systems product



Malleable iron fitting

### **GF Casting Solutions**

# 1897 First automotive part



As of 1900 GF develops wheels made of cast steel for trucks and cars

### **GF Machining Solutions**

1921 First machinery



GF acquires the Machine Factory Rauschenbach for agricultural machinery





### **Our Vision**

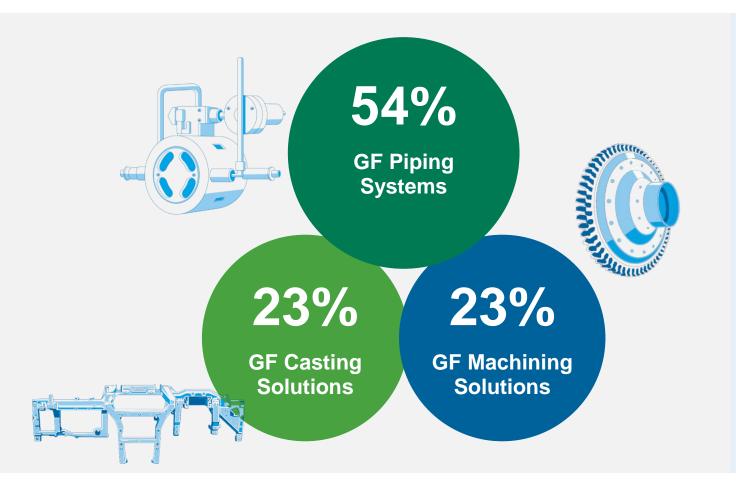
GF is a sustainability and innovation leader providing superior customer value







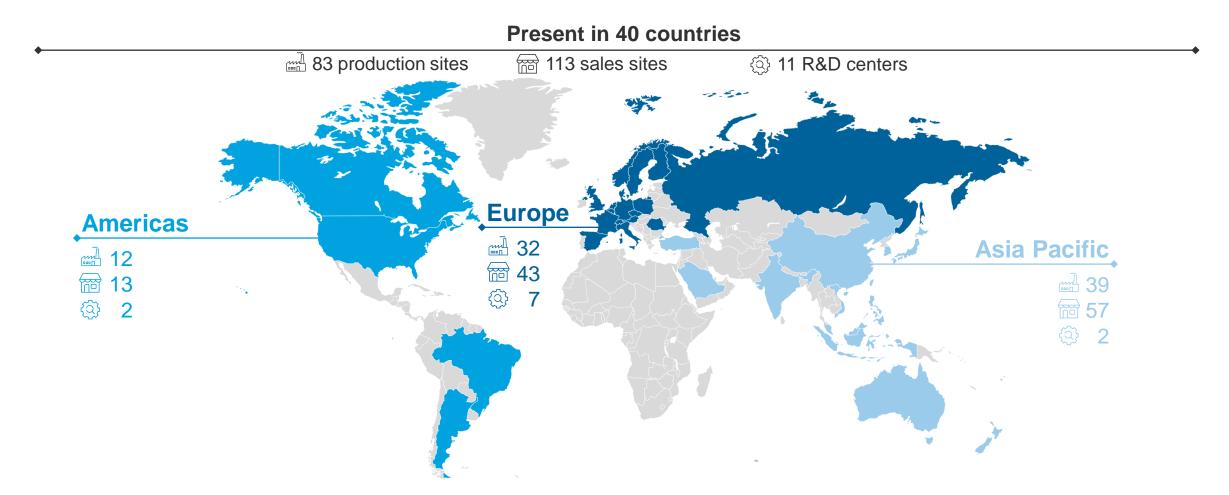
# Today GF stays at the forefront of new technologies



- Sales 2020 CHF 3.184 billion, EBIT before one-offs CHF 185 million and 14'118 employees
- Our core strength lies in applying
   state-of-the-art industrial technologies
- We specialize in developing tailored solutions to meet the needs of our customers
- We operate in markets with high technology, complex processes and certification requirements



### A global footprint with local services



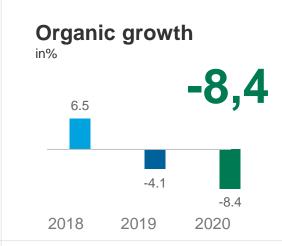
## We have an impact on every day life

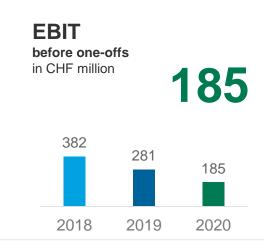


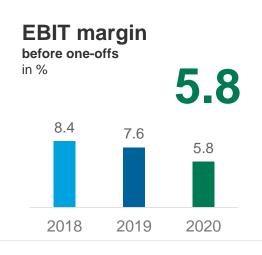


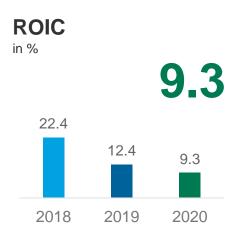
### Key financial figures – three years overview

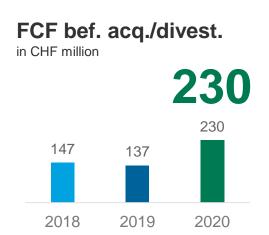


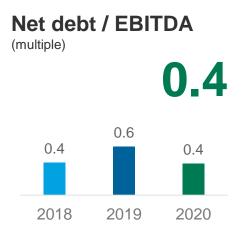


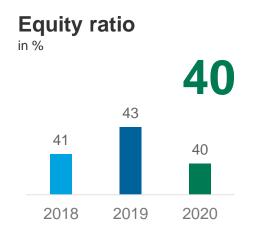












# Our strategy is about profitable growth with emphasis on resilience and learning



Corporation	Piping Systems	Casting Solutions	Machining Solutions
Sales CHF 4.4 – 5.0* bn	CHF 2.2 bn	CHF 1.1 bn	CHF 1.1 bn
Return on sales 9 – 11%	13 – 15%	9 – 11%	8 – 10%
Return on invested capital <b>20 – 22%</b>	20 – 24%	18 – 22%	20 – 24%



**Drive profitable growth** through intelligent and

sustainable solutions

2

Increase robustness
through resilient portfolio
and operational excellence

3

Evolve culture towards more performance and learning

<sup>\*</sup>including acquisitions



# Global trends offer great opportunities

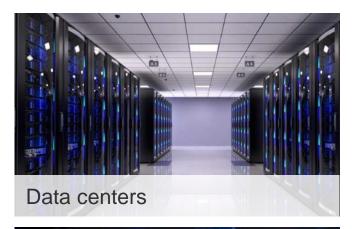
### Global trends driven by sustainability needs















## Sustainability is fully integrated and part of our culture





















13 CLIMATE ACTION











UN Sustainable Development Goals

- We support our customers' success with innovative, energy-saving solutions to make the collective global footprint more sustainable
- In our 219 years of history, we have continuously pioneered quality and standards. Our innovations, not limited to technology, apply also to the way we conduct our business and care for society

### **GF Piping Systems**

Safe & hygienic transport of water



#### **GF Casting Solutions**

Reduction of CO2emission through lightweight design & materials



#### **GF Machining Solutions**

Highest machining precision leads to more energy-efficient and safer components



# Sustainability investments in production facilities world-wide ...

Focus on energy efficient capex – electric injection molding machine at GF Piping Systems in Schaffhausen (Switzerland)





Employees and product affected by high and low temperatures → Roof upgrade to include weather coating to reduce cold/heat fluctuations at GF LLC, Irvine (USA)

New energy efficient LED lights installed throughout the production facility at GF Harvel, Little Rock (USA)





Silver certification under the LEED rating system to be applied for by GF Casting Solutions site in Shenyang North China (China)



### ... and social responsibility is at the heart of GF



#### **Employer attractiveness**

- Efforts to enable flexible working models and support employees in balancing family & work
- Continuous work on modernizing the production and working facilities to create ergonomic and collaborative spaces





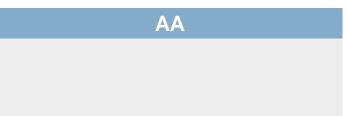
# Our ESG efforts are clearly recognized by leading agencies

#### **Rating Agency**

### MSCI ESG RESEARCH LLC

MSCI (

#### Rating



#### **Scale**



# GF is rated as number 9" mos

**External recognition** 



**COMPANIES 2020** 

number 9" most sustainably managed companies 2020 by WSJ

out of 5'500 companies

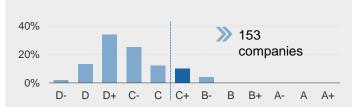


36 out of 350 (11th percentile)

As of January 2021, Georg Fischer received an overall ESG Ranking of 36 out of 350 companies of the global Machinery Industries and is considered by Sustainalytics to be at **medium risk** of experiencing material ESG financial impacts









GF is member of SXI Switzerland Sustainability 25<sup>®</sup> since 2014



# Sustainability is an integral part of our strategy



















## Sustainability drives business



NeoFlow Pressure Regulating Valve



Global **drinking water loss** per year: 126 billion litres



Neoflow – The Solution of GFPS for **pressure management** 



- 75% reduction in pipe bursts by decreasing excess pressure by 25%
- 5% reduction of water leakage can save up to 225k mt of CO<sub>2</sub> annually
- Savings on installation time by up to 40%



### Groundbreaking customer solutions

- We are a leading supplier of piping systems made of plastics and metal
- We focus on system solutions and high-quality components for the safe transport of water, chemicals and gases
- Our product portfolio of fittings, valves, pipes, automation and jointing technologies covers all applications of the water cycle

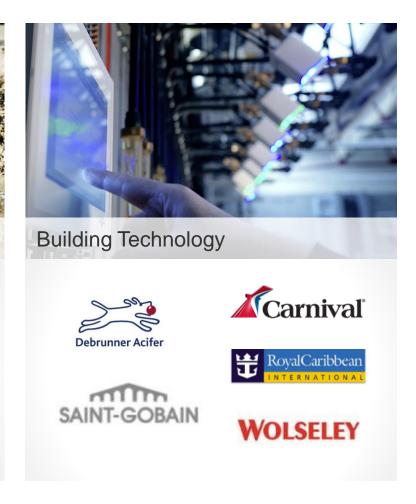




### **Our customers**









# Providing quality to our customers through safe and secure piping systems

**WBI Weld Bead Inspection** 

(WBI) Tool

Water treatment

(advanced process automation)





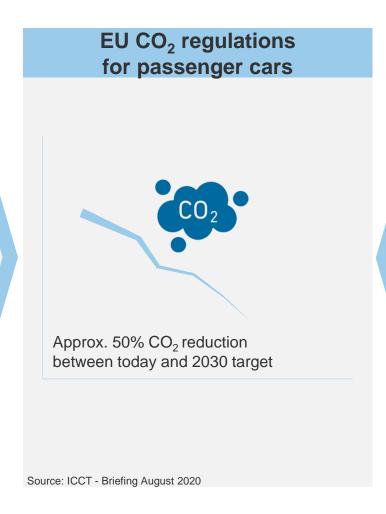


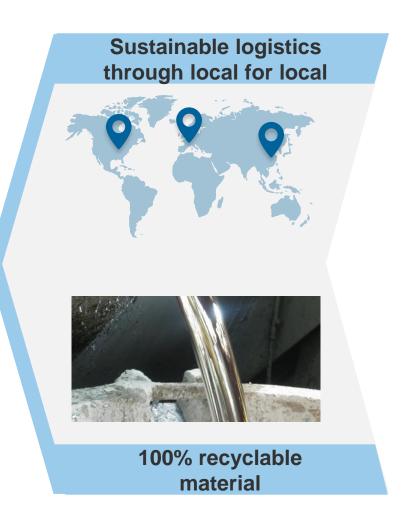




# Increased CO<sub>2</sub> regulations drive demand for lighter components

# **Lightweight Aluminium Battery Housing**





**Lightweight Magnesium** 

**Cross Car Beam** 

### **Driving future technologies**

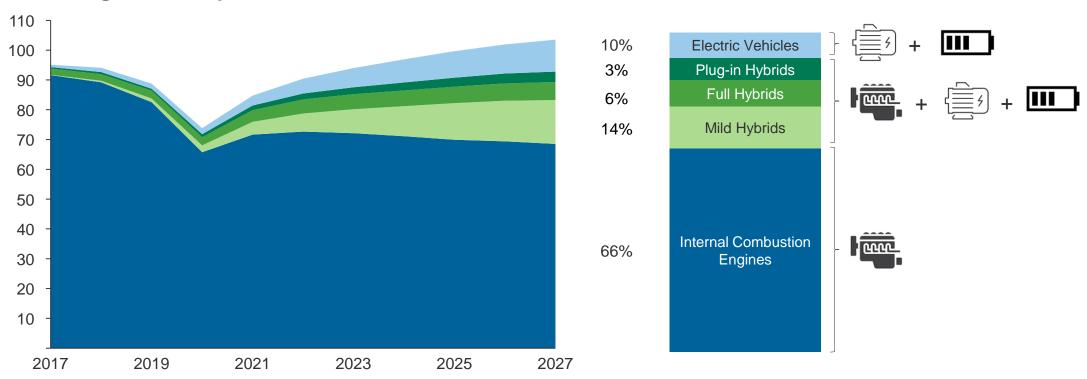
- We are a technologically pioneering development partner and manufacturer of cast and additive components for the global automotive industry, aerospace and energy markets, offhighway vehicles and for industrial applications
- Our highly complex lightweight components are produced using state-of-the-art manufacturing technologies – from the development to the readyto-mount solution





# Share of electrified vehicles will increase within the next years...

#### Global Light vehicle production in million units

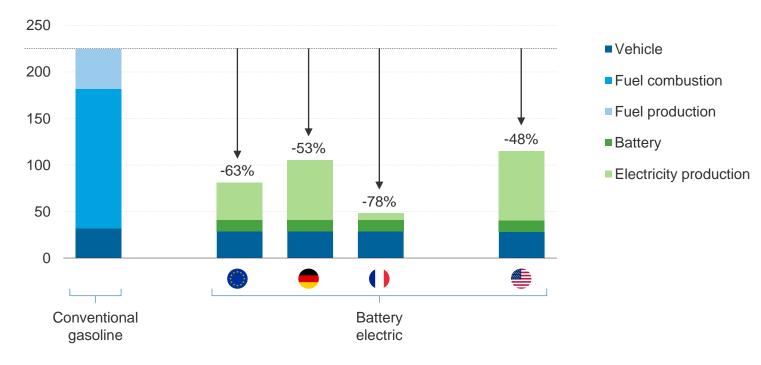


Source: LMCA Q3 2020



### ... and EV cars will significantly reduce CO<sub>2</sub> emissions over lifetime

### Life-cycle greenhouse gas emissions of gasoline and **battery-electric vehicles** (gCO<sub>2</sub> eq./km)

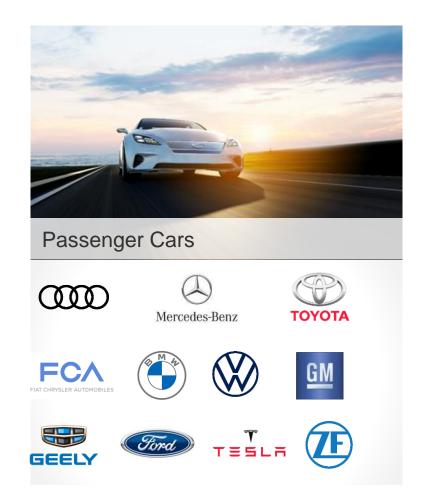


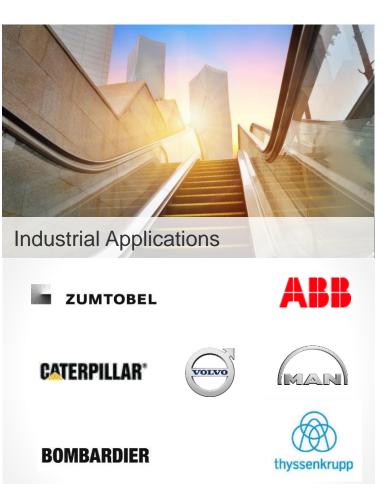
Even in countries where the electricity used for charging still comes mostly from nonrenewable sources

Source: ICCT 2020.12.02, https://theicct.org/cards/stack/explaining-electric-vehicles



### Partnering with leading manufacturers worldwide ...









# ... with strong expertise in e-drive solutions and lightweight structural parts

**Transmission Housing VW MEB Platform** 

**E-Engine Housing** Audi E-Tron

**Battery Housing VW Golf GTE** 

**Cross Car Beam** Jaguar I-Pace





















# Digitalization and miniaturization increase need for precision



ML-10 Nozzle ablation



CMC Ventilation micro-holes improve performance and efficiency



CMC is 2/3 lighter with 20% higher temperature resistance

The GEnx is delivering up to 15% better specific fuel consumption than the engine it replaces

The GEnx's emissions are up to 95% below current regulatory limits, ensuring clean compliance for years to come



## Focus on digitalization

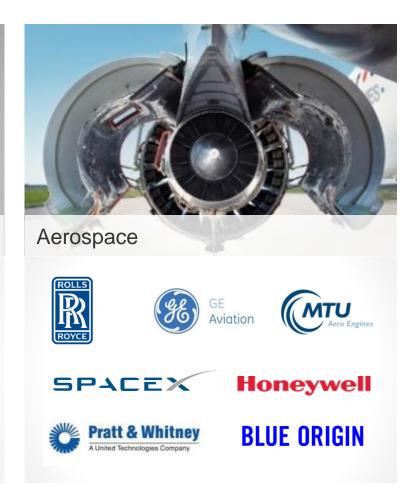
- We are one of the world's leading providers of complete solutions to the tool and mold making industry and to manufacturers of precision components
- Our portfolio includes Milling, wire-cutting and diesinking EDM machines
- We offer spindles, Laser texturing, Additive
   Manufacturing, tooling and automation as well as digitalization solutions and customer services
- Our key customer segments are the aerospace, ICT,
   medical and traditional mold and die industries



### We offer our customers ...









### ... innovative and advanced technology solutions









### **GF**'s investment proposition



Strategy focus on profitable growth with emphasis on resilience and learning through intelligent and sustainable solutions, a resilient portfolio, operational excellence and evolving culture towards more performance and learning



Products and services addressing demand of global mega trends global mega trends with direct business impact in all three divisions



Industry-leading technology provider with more than 200 years of industrial know-how well balanced geographical presence with a Swiss quality brand and technology with worldwide local production



Focus on solutions for our customers for their sustainable business creating value to society and contributing to a sustainable development



Focus on long-term value creation and return on invested capital value generation for our shareholders and other stakeholders







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