

# Sustainability @ ZF Friedrichshafen AG

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### **Financial Overview 2020**





EUR 1.0 billion adjusted EBIT

**3.2%** adjusted EBIT margin



**EUR 1.4 billion** investments in property, plant, and equipment

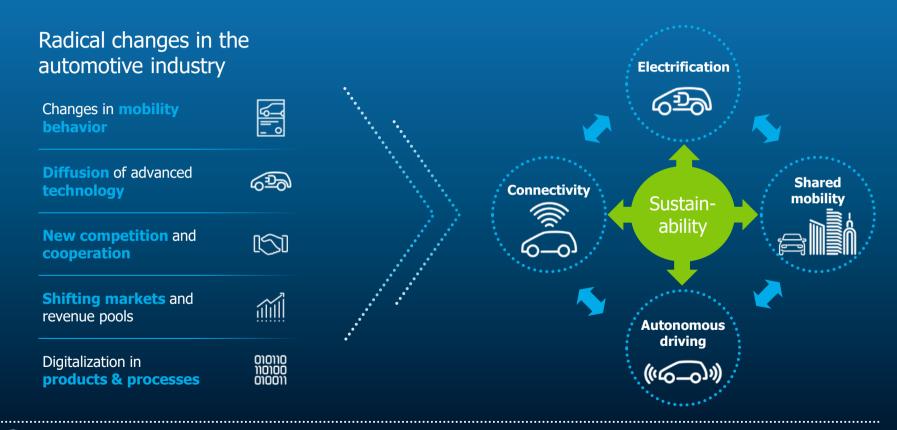


### ZF Friedrichshafen AG – main fields of technology





# Technological mobility trends are interlinked with sustainability





# Sustainability & CO<sub>2</sub><sup>1)</sup> are business critical for automotive suppliers

Employees & Stakeholders

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- Credible sustainability strategy is a precondition for talent attraction
- Public and stakeholders put higher emphasis on CO<sub>2</sub>

Investors & Rating Agencies



- CO<sub>2</sub> core criterion for rating agencies
- Sustainability as prerequisite for good financing conditions
- Relevant also for *"*foundation-owned" company

**3** Customers & Competitors



- Customers set climate targets as mandatory sourcing requirements
- Balancing CO<sub>2</sub> and cost effectiveness provides competitive advantage
- Opportunities in new technology fields

4 Laws & Regulations

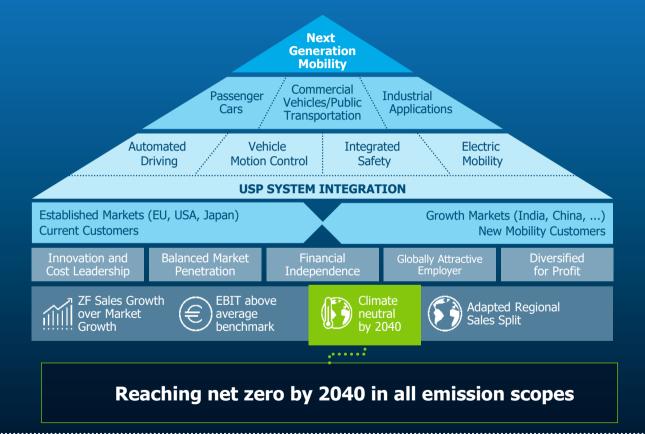


- Tightening worldwide regulations on CO<sub>2</sub>
- EU Green Deal as accelerator
- Supply Chain Legislation

1) Including all greenhouse gas emissions (CO2 equivalents) according to the Greenhouse Gas (GHG) Protocol



### Climate Neutrality is an integral part of ZF's business strategy



# Decarbonization is required on all levels of the value chain

#### Direct CO<sub>2</sub> emissions (Scope 1)

- Reduce ZF overall energy consumption
- Increase energy efficiency in ZF operations



#### CO<sub>2</sub> emissions from energy consumption (Scope 2)

- Maximize green power purchasing
- Expand on-site generation of green power



#### Emissions in ZF supply chain (Scope 3 upstream)

- Reduce carbon footprint of purchased parts (e.g. steel, alu, electronics)
- Increase use of secondary material

#### **Emissions during use phase (Scope 3 downstream)**

- No new R&D projects for internal combustion engine drives;
- Increase CO<sub>2</sub> efficiency in product use phase





Success factors for our climate journey 2040: Climate Neutral all scopes

**2030:** Achievement of interim targets in all scopes



Today: CO<sub>2</sub> transparency on corporate and product level Science based targets in all scopes CO<sub>2</sub>-reduction roadmaps in all business units and key functions



# Climate: Setting Course for Net Zero with clear 2030 Targets



# -80% CO<sub>2</sub> emissions from ZF plants

<sup>|</sup> (Scope 1&2, | absolute CO2e, 2030 vs. 2019)



-40% CO<sub>2</sub> er suppl

#### CO<sub>2</sub> emissions from supply chain & product use (Scope 3, CO2e per sales, 2030 vs. 2019)



# Measures in Focus to Achieve 2030 Targets



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0% energy efficiency in 10 years



90% of European steel from electric arc furnace



>40% fully electrified powertrain



100% green power in all ZF Locations worldwide



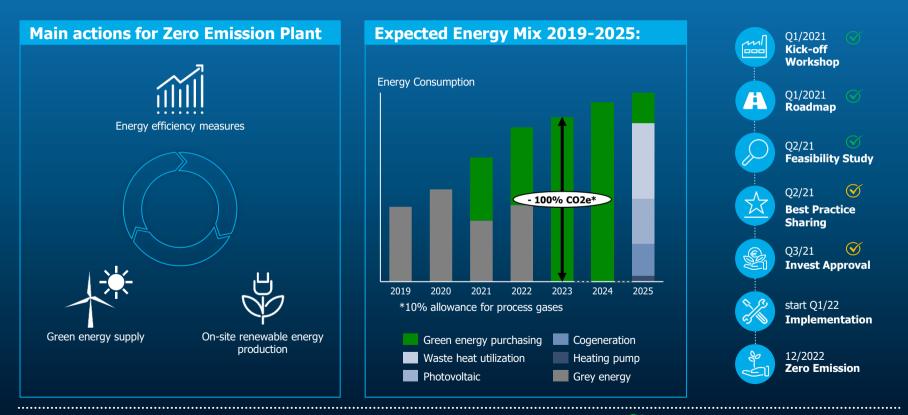
50% CO<sub>2</sub> neutral road transport in ZF logistics network



50% recycled materials in ZF products



# **Initiative Idea – "Zero Emission Factory Klášterec"** Target: Carbon Neutrality 12/2022 Scope 1&2





Milestone achieved

In progress

### Thank You for Your Attention Meike.Hahn@zf.com

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