

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

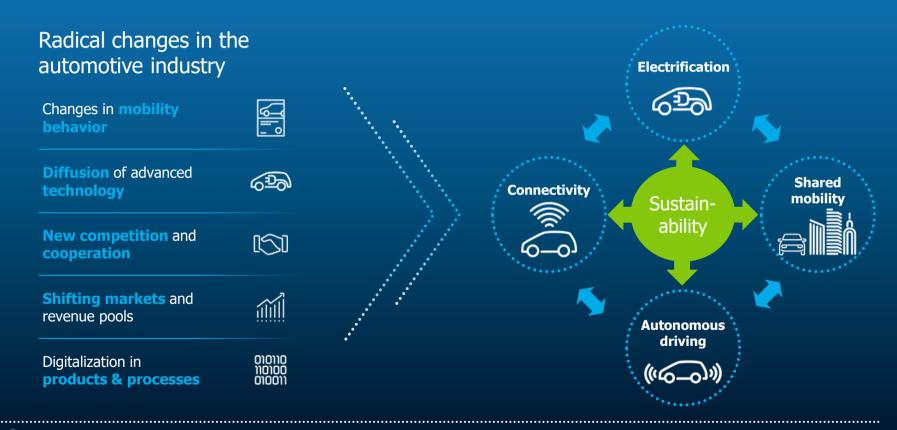


ZF Friedrichshafen AG – main fields of technology





Technological mobility trends are interlinked with sustainability





Sustainability & CO₂¹⁾ 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 CO₂

Investors & Rating Agencies



- CO₂ 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 CO₂ and cost effectiveness provides competitive advantage
- Opportunities in new technology fields

4 Laws & Regulations

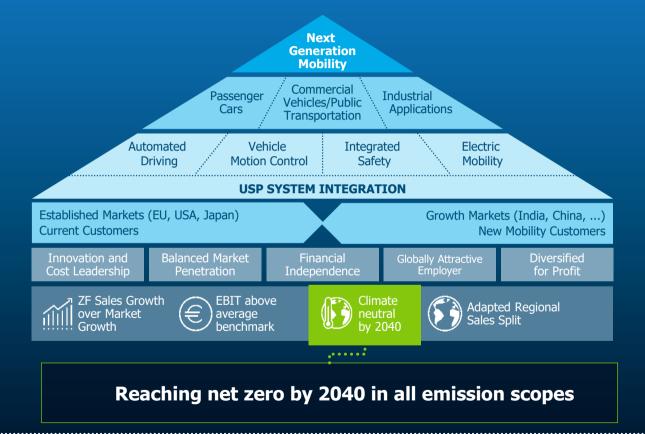


- Tightening worldwide regulations on CO₂
- EU Green Deal as accelerator
- Supply Chain Legislation

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 CO₂ emissions (Scope 1)

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



CO₂ 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 CO₂ 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: CO₂ transparency on corporate and product level Science based targets in all scopes CO₂-reduction roadmaps in all business units and key functions



Climate: Setting Course for Net Zero with clear 2030 Targets



-80% CO₂ emissions from ZF plants

[|] (Scope 1&2, | absolute CO2e, 2030 vs. 2019)



-40% CO₂ er suppl

CO₂ 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



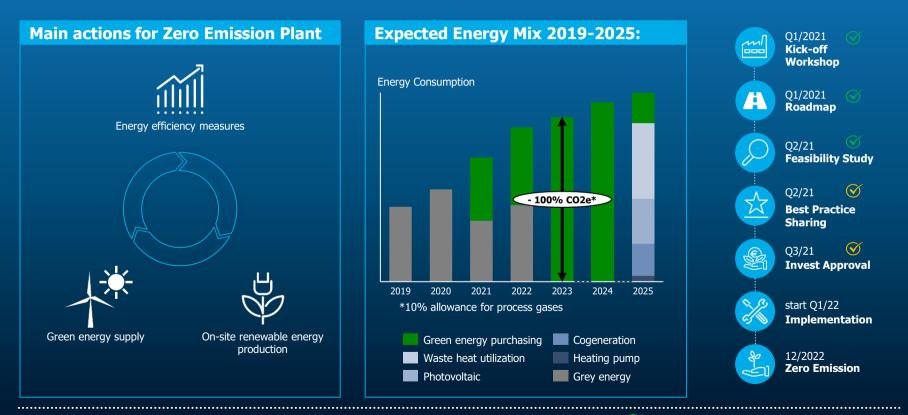
50% CO₂ neutral road transport in ZF logistics network



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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