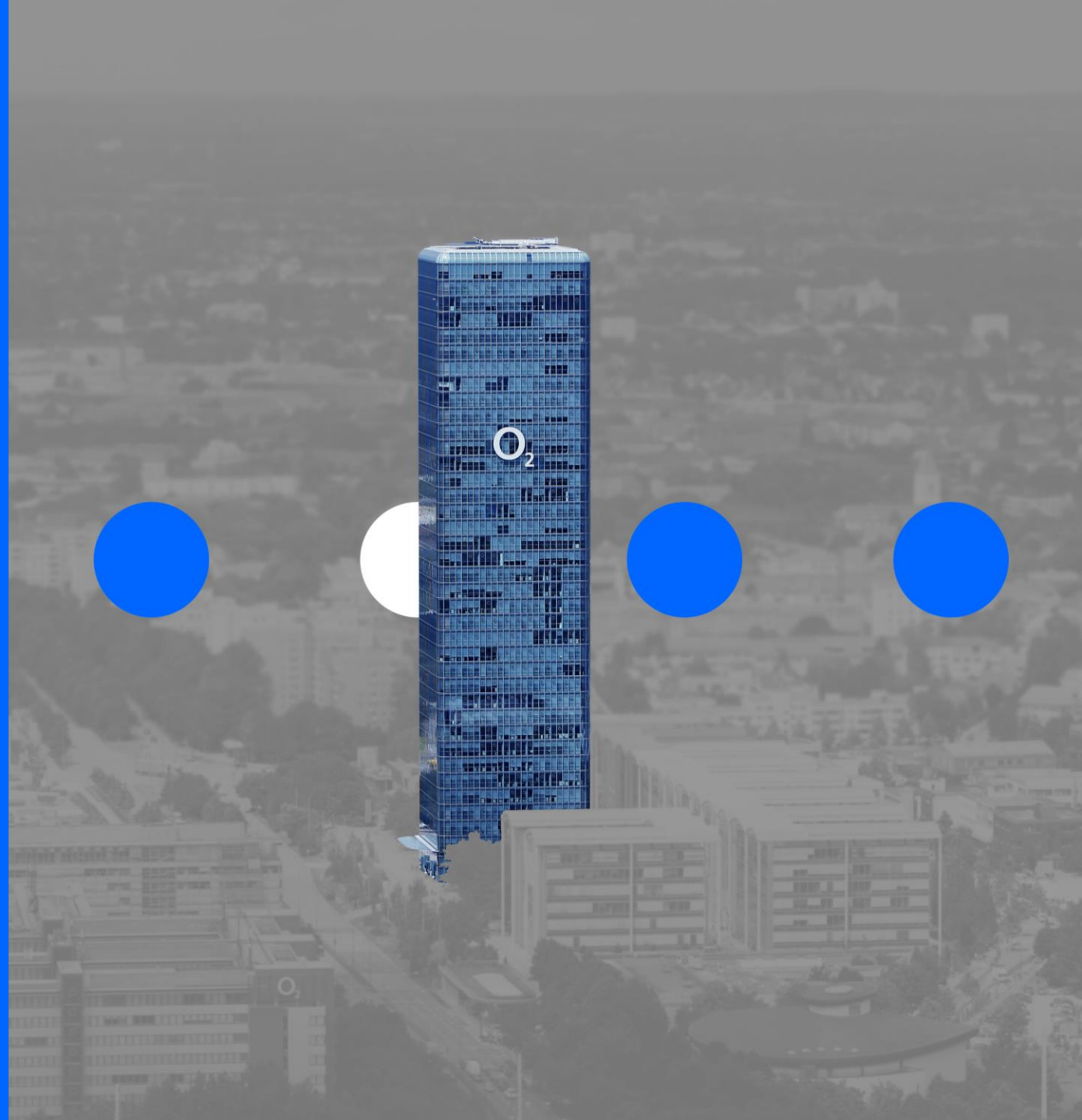


Telefónica Deutschland

ESG Investor presentation

November 2021



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ESG at the heart of our strategy throughout the pandemic supporting SDGs

HELPING SOCIETY TO THRIVE



Supporting customers & communities

Highly resilient network performance

Anonymous mobile data for government to fight C-19

#WeStayConnected

95% employee satisfaction rate for TEF D's pandemic management

BUILDING A GREENER FUTURE



Lower carbon economy & digital innovation

-39% GHG emissions (Scope I+II)*

96% Renewable energy use

-71% Energy per unit of traffic (GWh/Petabyte)*

-78% Carbon intensity (tCO2/Petabyte)*

LEADING BY EXAMPLE



Running an inclusive, fair & ethical business

Women in sen. leadership positions
28% in 2020 (incl. in Bloomberg GEI)

+3p.p. increase in Society Trust**

Highly ranked in leading ESG ratings

Continuous improvement of our reputation score

Responsible Business Plan 2025

Focusing on steering-KPIs and target scores – supporting UN SDGs

Focus Area	Environment & Climate		Customers & Business Partners			Employees		Society	
Commitment	TEF D will offer customers the 'greenest' network		TEF D will offer customers products and services that support sustainable lifestyles			TEF D wants to advance tomorrow's digital working world as an attractive employer		TEF D will democratise participation in the digitalized world by affording people access and skills	
KPI	Net zero carbon emissions by 2025		Increase in or stabilisation of customer satisfaction (NPS) at the highest level			Measurement of employer attractiveness via increase / stabilization eNPS		RepTrak	
Topic	Circular Economy	Energy and CO ₂	Network Quality & Coverage	Product & Service Experience	Dig sust. Innovations	Future Employability	Designing the Work Environment	Digital Inclusion	Digital Skills

Foundation	Governance principles				
Commitment	TEF D's business as a digital company will be founded on principles of responsible corporate governance that are rigorously and systematically applied to all business processes				
KPI	TEF D wants to achieve at least a 'good' ranking in relevant ESG ratings				
Topic	Governance	Transparency & Dialog	Compliance & Ethical Principles	Data Protection & Information Security	Supply Chain Management

Robust corporate governance structure

Corporate Governance

Independent oversight of enterprise risk and business management underpinned by German two-tier board system
Transparent good corporate governance | Annual effectiveness assessment of the Supervisory Board and its committees |
Robust code of conduct and compliance management

Executive Management Board

leads, manages and represents Company

- Regular weekly meetings and (strategy) offsite sessions

Informs, reports to

Appoints, advises,
monitors, approves

Non-Executive Supervisory Board

controls and advises Management board

- Annual strategy session with the Management board
 - Regular meetings (at least quarterly)

Reports to

Discharges

Elects shareholder representatives
Discharges

Reports to



Annual Shareholder Meeting - Execution of shareholders rights

- Each share = one vote / no special voting rights
- Vote on distribution of profits
- Shareholders vote e.g. on `Say on Pay` (AGM 2021+); Remuneration Report (AGM 2022+)
- At the AGM, annual accounts and business performance are reported by the Management Board

Management Board – highly experienced & diverse

Key Responsibilities

- Management of the business
- Representation of the Company

Extensive Industry Experience

> 145 years of telco experience



Top in gender diversity

Women in board since IPO 2012

Included in **Bloomberg Gender Equality Index (GEI)** 2nd year in a row



Wolfgang Metze (CCO)

Markus Haas (CEO)

Nicole Gerhardt (CHRO)

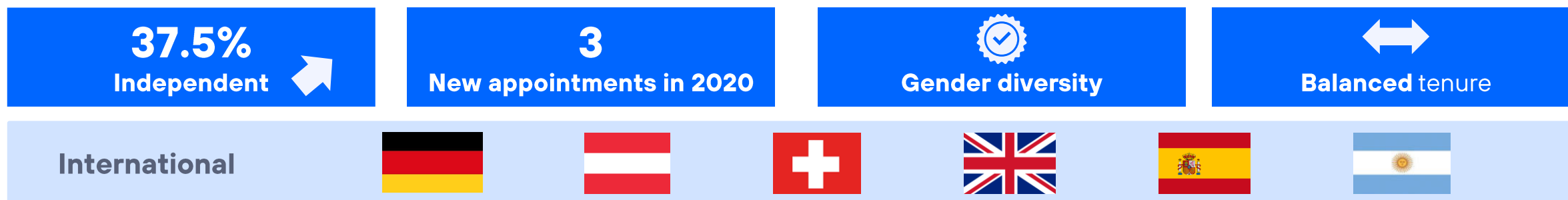
Markus Rolle (CFO)

Valentina Daiber (COLCA)

Alfons Lösing (CPWO)

Mallik Rao (CTIO)

Supervisory Board – well balanced & diverse shareholder side



Independent leadership



Peter Löscher

- Appointed as Supervisory Board Chairman in April 2020
- Former CEO of Siemens, experienced Supervisory Board Chairman
- Chair of Nomination, Mediation & Related Party Transactions Committees

Independent members



Michael Hoffmann

- Chairman of Audit and Remuneration Committees
- Former CEO of Lekkerland
- Independent financial expert



Stefanie Oeschger

- Former Managing Director of Cembra
- International expert in transformation and organizational change
- Newly appointed in 10/2020

Key expertise & skills

- ✓ Economic / Financials
- ✓ Auditing / Risk
- ✓ Engineering / Innovation / Digital
- ✓ Marketing / Sales
- ✓ Legal / Governance / Ethics
- ✓ Transformation / Organisational Change
- ✓ Leadership

'Say on Pay'- balanced composition of Management Board remuneration

	Components	Purpose	Description	Potential KPIs	Compensation mix
Annual	Fixed remuneration Cash	Creates sufficient economic independence to balance significance of other remuneration items	Base salary paid out in twelve equal monthly amounts	- Financial KPIs: - Revenues: Measure growth - OIBDA: Reflects growth and progress in operating performance - Operating Cash Flow (OIBDA minus CapEx): Reflects generation of cash from our business operations - Free Cash Flow: Generation allows growth investments, dividend payments, and reduction of debt load - Return on Capital Employed (EBIT/Capital Employed): Measures the efficiency and profitability of our investments - Relative TSR: Measures the creation of shareholder value vs. competitors - Non-financial KPIs (ESG criteria) - Relate to customer satisfaction & social/ecological factors (e.g. NPS, RepTrak Pulse, reduction of emissions, diversity)	Incl. ESG criteria since 2019 CEO 31% 31% 38% Ordinary Mgmt Board Member 43% 28% 29% Fixed remuneration Short-term variable remuneration Long-term variable remuneration
	Short-term variable remuneration Cash	Rewards achievement of pre-determined, quantifiable, economic-financial, operational and qualitative targets aligned with the company's interests and the strategic plan	- One-year cash bonus - Performance criteria: - At least 70% selected KPIs of Telefónica Deutschland - At most 30% business performance of Telefónica, S.A. - Cap: 150% of target amount		
Long Term	Long-term variable remuneration Cash/Equity	- Align incentives with the company's interests and the strategic plan - Link remuneration to the creation of shareholder value and sustainable achievement of strategic targets	- Performance Share Plans for Telefónica Deutschland and for Telefónica, S.A. - Three-year performance period - Selected KPIs - Target achievement: 0% up to a maximum value (cap)		69% (CEO) and 57% (ordinary. Mgmt. Board member) of remuneration is at risk and tied to performance

→ Malus/Clawback: Partial or complete reduction or reclaim of the variable remuneration possible

→ Total maximum remuneration: EUR 4.9 m for CEO; EUR 2.3 m for each ordinary Management Board member

Ambitious corporate climate strategy – net zero carbon emissions by 2025



Renewable Energy

100% green electricity



5G Energy-efficiency

5G is using 90% less energy per byte compared to 4G



Data Centres

Improved power efficiency



Smart Meters

Optimized energy consumption with help of digital meters



Workplace

Workplace sharing and virtual work to improve energy efficiency and reduce CO₂ emissions

Ambitious environmental targets

1.5°C aligned climate target

according to Science-Based-Target initiative for scope 1-3

Net zero carbon emissions by 2025

including our scope-1&2 and travel emissions

Reduction of unavoidable emissions by >90% by 2030

emitted from our network, facilities and vehicle fleet,
relative to 2019



SUSTAINALYTICS



ISS ESG

Well ranked in most important sustainability ratings as well as indices

	Risk Low: 16.4 (Low) Exposure Score: 38.2 (Medium) Management Score: 63.2 (Strong) 
	Rating: AA 
	Grade: Prime B- (Good) 
	Successfully listed (4.3 of 5 pts) 
	Successfully listed 
	Successfully listed (65%) 

We look forward to hearing from you



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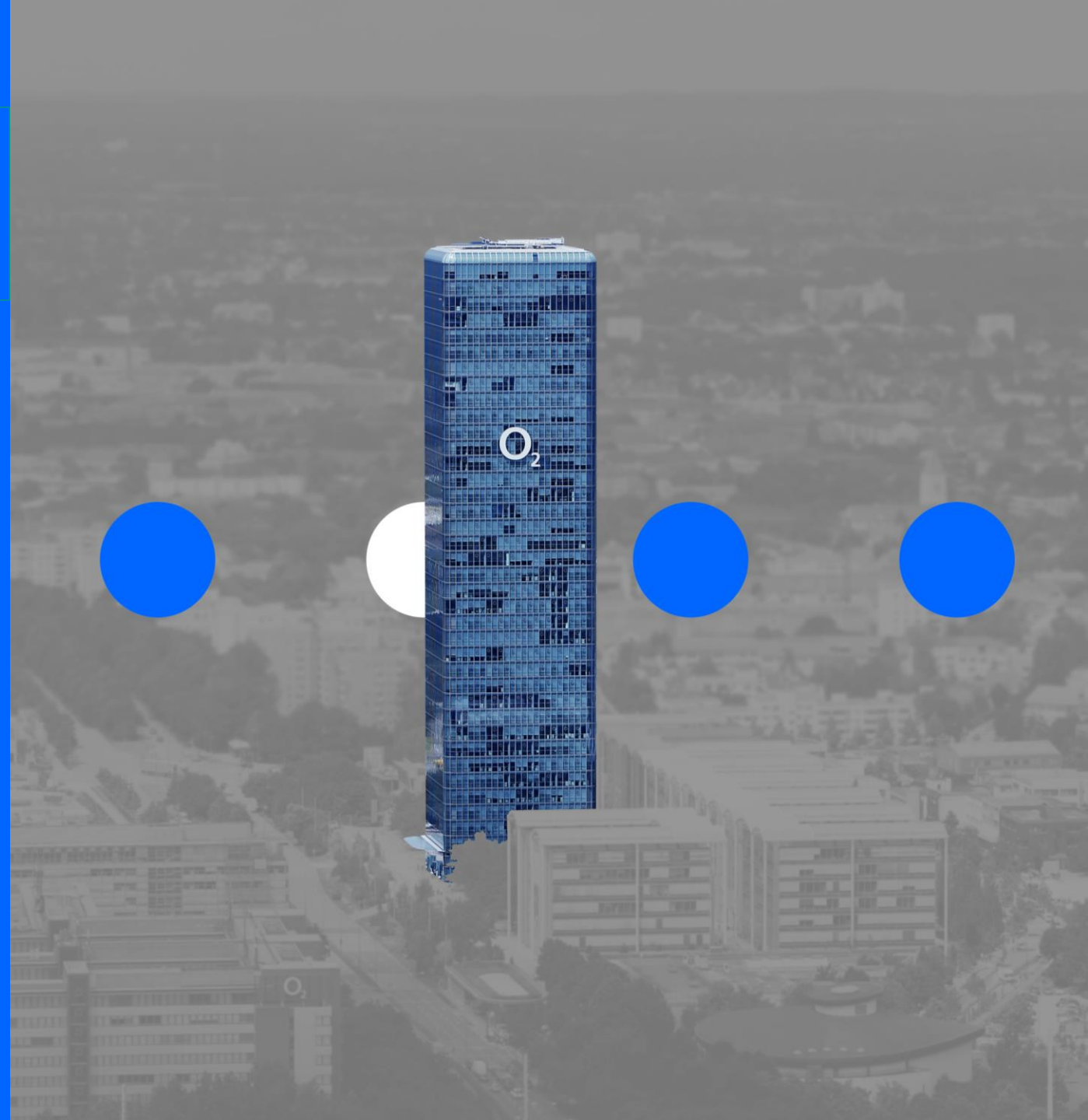
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Appendix



ESG an integral part of Telefónica Deutschland's DNA

Enabling sustainable growth

We democratise access to the **sustainable digital future to create a better everyday life**



Mobile accesses¹

~44m



Owned customer base

~ 80%



**Network quality awarded
'Very Good'**



**Net zero carbon emissions
by 2025**



Market Cap¹

EUR 6,724m



BBB Fitch Rating

Listed in MDAX | TecDAX



Employees¹

~7,800

Resilient business model - FY20 Operational & financial trends intact



Strong trading momentum

>1m post-paid net adds²



Churn at historic lows

Own brand post-paid churn 13.1%



Improved customer perception

>20p.p. NPS score improved over last 3 years



Revenues

(7,532m€)

+1.8% YoY

+2.8 %⁴

MSR

(5,307m€)

+0.1% YoY

+1.3 %⁴

OIBDA³

(2,319m€)

+0.2% YoY

+2.7 %⁴

Capex/Sales

14.5%

ESG at the heart of TEF D's strategy throughout the pandemic

Responsible Business Plan 2025: Digital. Sustainable. Connected.

ESG strategy fully integrated in overall business strategy

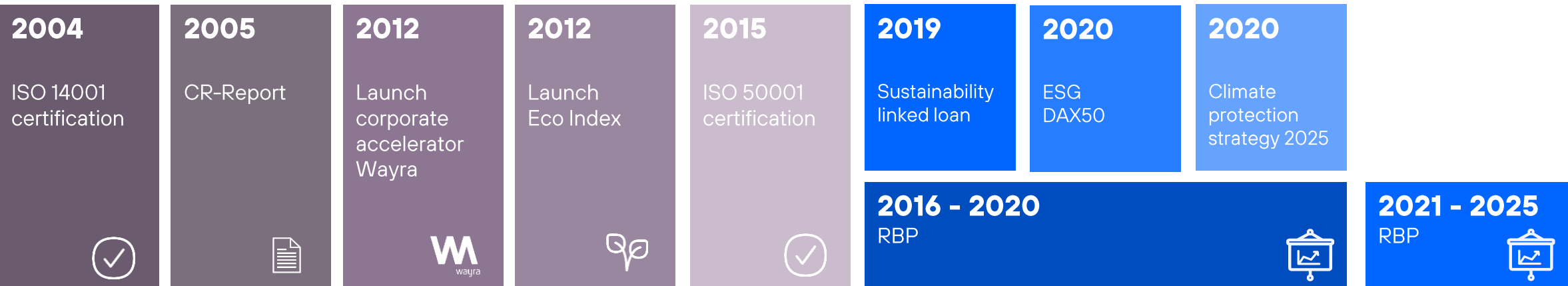
- ✓ RBP goal: Creation of sustainable value and minimisation of risks
- ✓ RBP 2020: Achieved key targets
- ✓ RBP 2025: Ambitious future targets incl. climate protection strategy

Responsible Business Plan 2025



2004

2021



All Supervisory Board Committees chaired by independent members

Audit Committee	Key committee in charge of monitoring the accounting process, the efficiency of the internal control systems, the risk management system and the internal audit system and for review of the annual accounts as well as compliance, including data protection and information security	• Michael Hoffmann (Chair) • Martin Butz • Ernesto Gardelliano, financial expert • Thomas Pfeil
Remuneration Committee	Key committee in charge of preparation of all Board compensation topics and respective recommendations for the Supervisory Board in this regard	• Michael Hoffmann (Chair) • María García-Legaz Ponce • Claudia Weber • Jan-Erik Walter
Mediation Committee	The legally required committee recommends Management Board candidates to the Supervisory Board provided that no sufficient agreement to available candidates could be achieved	• Peter Löscher (Chair) • Christoph Braun • Julio Linares Lopéz • Christoph Heil
Nomination Committee	Committee recommends to the Supervisory Board suitable candidates for the shareholder side for the election proposal to the annual general meeting	• Peter Löscher (Chair) • Pablo de Carvajal González • Ernesto Gardelliano
Related Party Transactions Committee	New The committee monitors and passes resolutions on certain transactions with related parties, especially on related party transactions pursuant to sec. 111 a, b Stock Corporation Act	• Peter Löscher (Chair) • Christoph Braun • Pablo de Carvajal González • Michael Hoffmann • Thomas Pfeil

Focus on net zero carbon emissions & principles of circular economy

Environment

Material topics

- **Energy and CO₂**
- **Circular Economy**
- **Product and Service Experience**
- **Digital Sustainability Innovations**
- **Network Quality and Coverage**

Mission

TEF D will offer its customers the 'greenest' network



Goal

Net zero carbon emissions by 2025 focusing especially on energy efficiency



Our Progress

Energy intensity reduced by 71% (compared to 2015)



Strategic Approach

- Established environmental management systems (ISO 14001, ISO 50001)
- Part of the business ambition for 1.5° C action alliance
- Business case: increasing energy efficiency in operating business activities (OPEX) has led to savings of EUR 54m since 2016
- Long-term strategy (2030): Savings by additional energy efficiency rising over the years, up to EUR 10m in 2030

Strategic Objectives 2025

- Net zero carbon emissions by 2025: Focus on energy efficiency, self generation & purchase of renewables
- Aligning more and more aspects of our business, especially our products, with principles of the circular economy

Social dimension - shaping a responsible digitalisation for society

Social

Material topics

- **Human Capital Management**
- **Digital Skills**
- **Digital Inclusion**
- **Product and Service Experience**
- **Digital Sustainability Innovations**
- **Network Quality and Coverage**

Mission



TEF D strives for a human centric digitalisation

Goal



Stabilisation of NPS, eNPS & RepTrak

Our Progress



All strategic goals well achieved

Strategic Approach

- Shaping responsible digitalisation for people – our employees, our customers and society Especially in this pandemic situation this approach has gained even more importance

Strategic Objectives 2025

- As an attractive employer, we want to drive the digital working world of tomorrow
- Human Capital Management: We are focusing on the work environment and future employability
- We enable participation in the digitalised world by providing people access and skills
- We support sustainable lifestyles with our products

Effective COVID-19 response supporting all stakeholders

Customers

- Reliable networks
- O₂ churn at historic low levels
- Additional entertainment & mobile data provided at no extra cost

Shareholders

- Delivered on FY20 outlook while fully absorbing Covid-19 impacts
- Sustainable dividend policy

Employees

- Protecting health & safety of employees
- Employees working remotely (home-office)
- Introduction of '5 Bold Moves'
- Corporate Health Award 2020 for innovative pandemic management

Society

- TEF D supports Robert Koch Institute with mobility analyses in fight against Covid-19
- Provided our technologically advanced buildings for public use (e.g. O₂ Tower)
- Digital Care Package for Senior Citizens
- Laptops, Internet-access and trainings in cooperation with Amazon, 'Deutsches Kinderhilfswerk' for underprivileged children

Management is continuously monitoring & analysing the impact on the company from Covid-19 restrictions & developments

Regular updates on our COVID-19 response are published on TEF D's webpage

Driving innovations - preparing Telefónica Deutschland & society for the future

Spotlight

5 BOLD MOVES

Working **Anywhere**



Working **Anytime**



Outcome-based **Leadership**



Digital by Default



70% Less **Travel**



Spotlight



Wayra Germany
outstanding corporate accelerator
Part of TEF S.A. Open Innovation Hub

**Track
Record**

Most reliable partner for >250 tech start-ups since 2011
shaping the future of Telefónica

Approach

Open and unique ecosystem between founders,
universities, mentors, investors and corporates

Pillars

Accelerator Programme | Investment | Community

+22

Contracts won between start-ups & Telefónica in 2020

+30

Active Portfolio start-ups in 2020

+100

Start-ups part of Wayra ecosystem

Pioneering sustainable finance solutions to increase ESG visibility since 2016



EUR 750m ESG-Linked Syndicated Loan

2019 first German Telco with ESG-Linked Loan facility



EUR 450m Loan granted by European Investment Bank (EIB)

2019/2020 for energy efficient 4G/5G rollout



EUR 450m Loan granted by EIB

2016 linked to CO₂ reduction via Mobile Network Consolidation (TEF/E+)



Structured Rating Process with Sustainalytics

2019 structured rating process improving quality vs. unsolicited rating



Pioneering of blockchain-based promissory notes

2018 first telco globally introducing blockchain based financing with external investors

Further Sustainable Financing Instruments under consideration to access additional funding sources

- ESG-Linked Bond
- ESG-Linked Schuldschein
- ESG-Linked Factoring
- Green Leasing

Top Sustainability Ratings from various financial institutions/rating agencies



Telefónica Deutschland
●●●