# DEUTSCHE TELEKOM CAPITAL MARKETS DAY 2018



LIFE IS FOR SHARING.

# **GROUP STRATEGY**

**TIMOTHEUS HÖTTGES** 

### WHAT DRIVES US...



#### **DEDICATED NETWORK INVESTMENT**



**FOCUSED PORTFOLIO APPROACH & CAPITAL ALLOCATION** 



**PASSION FOR CUSTOMER EXPERIENCE** 



**BEST-OF-BREED TEAM WITH ENTREPRENEURIAL SPIRIT** 



**LEADERSHIP & WINNING MENTALITY** 



#### \_\_\_\_\_

#### WALK THE TALK

### **...TURNED DT INTO A <u>GROWTH</u> COMPANY**

EUROPE

**GROUP STRATEGY** 

# **REVIEW 2014 - 2018**

GROUP STRATEGY

GERMANY SYSTEMS SOLUTIONS

**TECHNOLOGY & INNOVATION** 

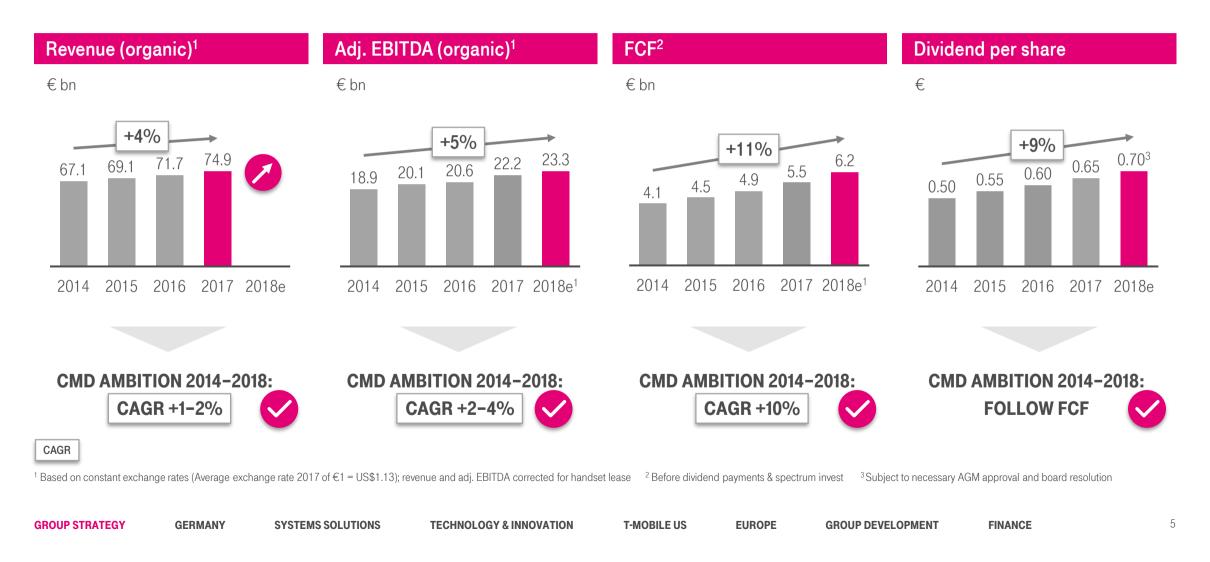
T-MOBILE US

EUROPE

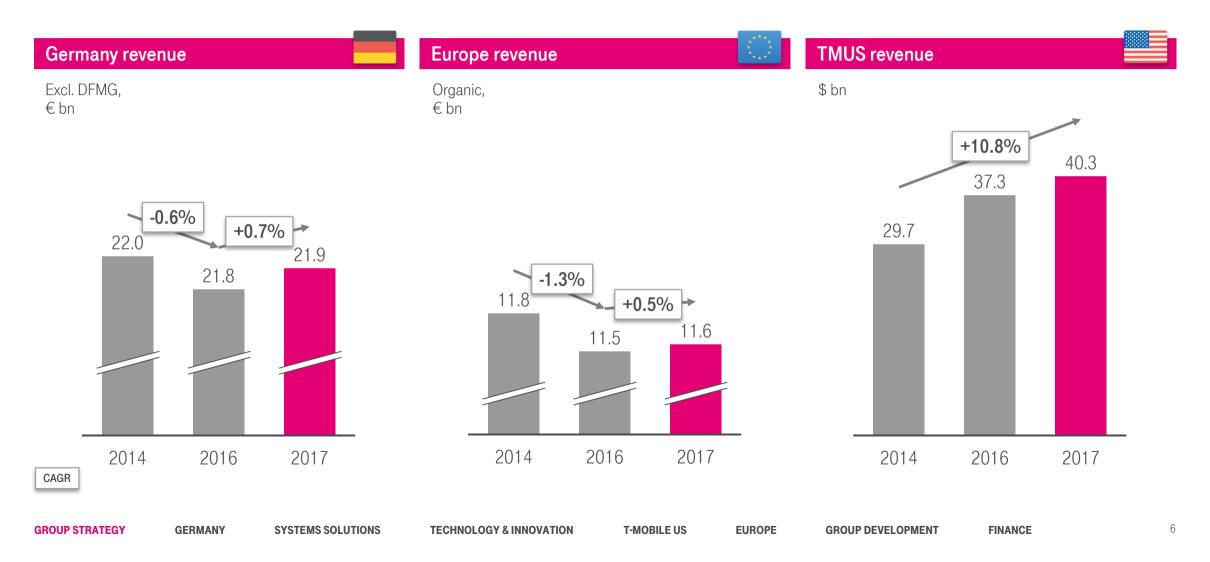
GROUP DEVELOPMENT

FINANCE

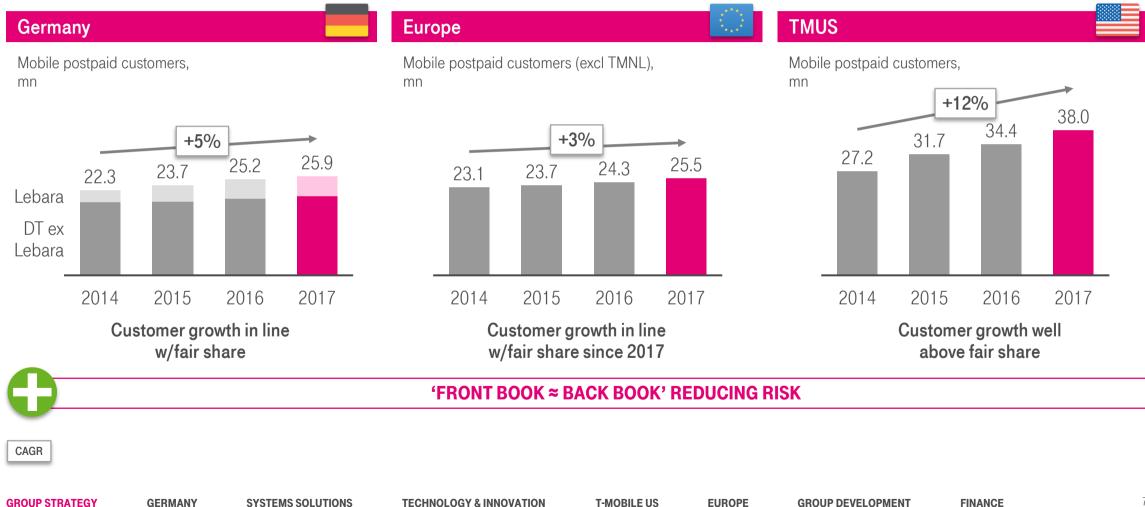
### **<u>GROWTH</u> ABOVE COMMITMENTS**



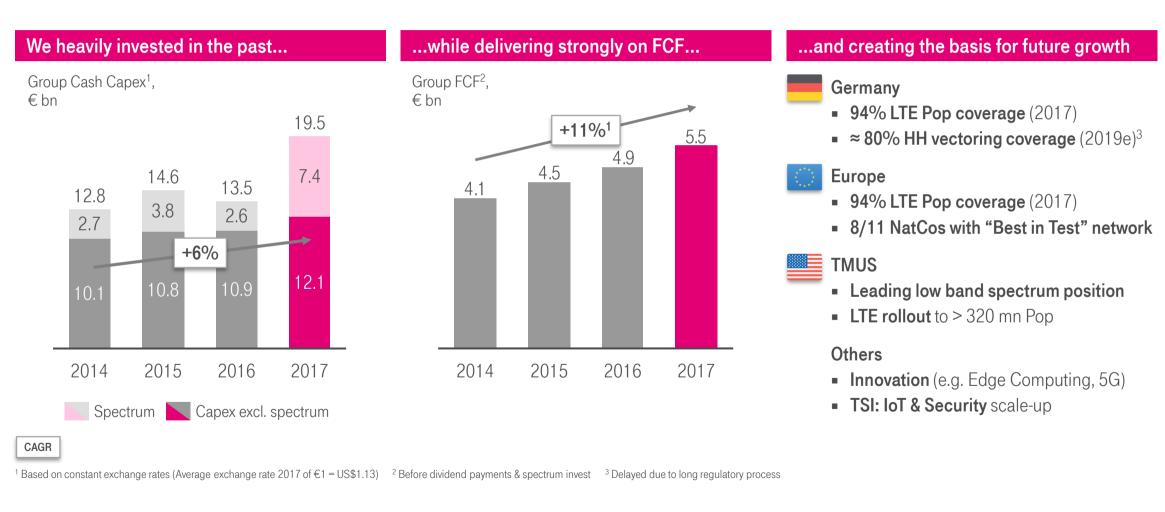
## **<u>GROWTH</u>** PROFILE ACROSS OUR FOOTPRINT...



# **...SUPPORTED BY CONTRACT CUSTOMER GROWTH**



# **INVEST FOR SUSTAINED GROWTH MOMENTUM**



**GROUP STRATEGY** 

GERMANY SYSTEMS SOLUTIONS

**TECHNOLOGY & INNOVATION** 

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### **WINNING MENTALITY: "BRING ME AWARDS"**



#### **Customer Service & Satisfaction**



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#### **Products & Company**



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**TECHNOLOGY & INNOVATION** 

best

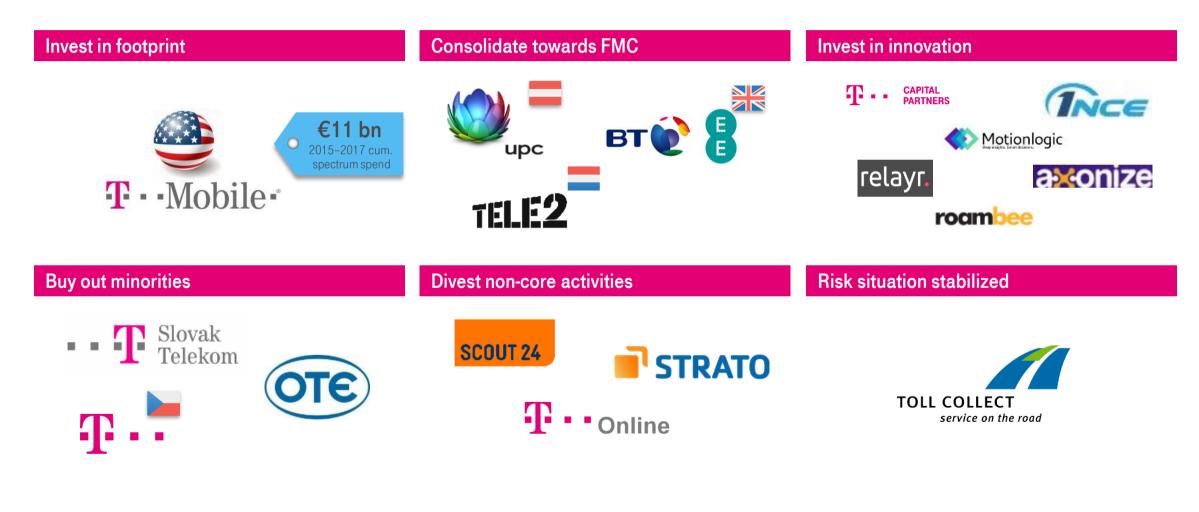
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### **PORTFOLIO: DISCIPLINED CAPITAL ALLOCATION**



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### WE HAVE KEPT OUR PROMISES...

	Ambition level 2018	Achievements 2017	Delivered/on track
<b>KEY FINANCIALS</b>	<ul> <li>Group Revenue CAGR +1–2% (2014–2018)</li> </ul>	■ +4% CAGR (2014–2017)	
	Group Adj. EBITDA CAGR +2-4% (2014-2018)	■ +6% CAGR (2014-2017)	
	<ul> <li>Group FCF CAGR ≈ +10% (2014–2018)</li> </ul>	■ +11% CAGR (2014-2017)	
	<ul> <li>Group ROCE &gt; WACC in 2018</li> </ul>	<ul> <li>ROCE &gt; WACC in 2017</li> </ul>	
	<ul> <li>Group Cash CAPEX CAGR +1–2% (2014–2018)</li> </ul>	■ +6% CAGR (2014-2017)	
	<ul> <li>Group Adj. OPEX decrease (2014–2018)</li> </ul>	<ul> <li>€0.7 bn indirect cost decrease vs. 2014</li> </ul>	
SHAREHOLDER REMUNERATION (2015-2018)	<ul> <li>Following FCF growth; min. DPS of €0.50 p.a.</li> </ul>	■ €0.65	

<sup>1</sup> Compared to target of €1.8 bn

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### **...AND HAVE LEARNED ALONG THE JOURNEY**



#### **Key learnings**



Convergence works, our customers love it



Dialogue marketing is a must



Network leadership pays off



M&A is a valid lever for growth



The last 1% is the toughest (e.g. All-IP)



People make the difference

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# **STRATEGY 2018 - 2021**

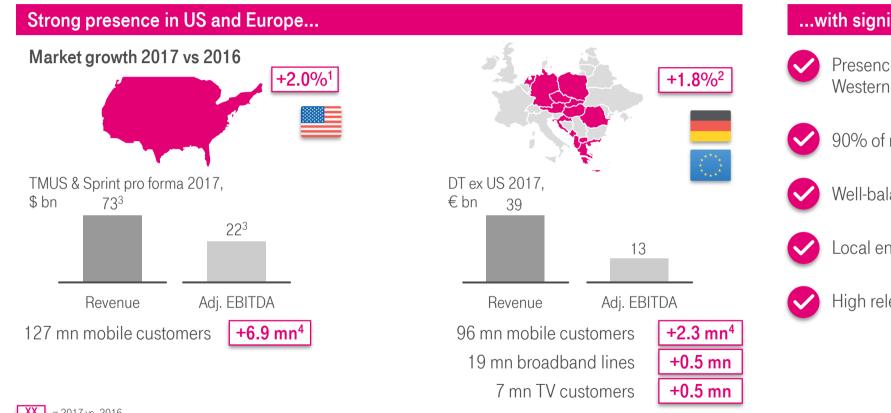
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# LEADING TELCO ON BOTH SIDES OF THE ATLANTIC...



#### ...with significant value creation



90% of revenues in AAA economies



Local entrepreneurism & global scale

High relevance for local economies

**XX** = 2017 vs. 2016

<sup>1</sup> Total mobile revenue <sup>2</sup> Total integrated revenue <sup>3</sup> Pro forma revenue and adjusted EBITDA as of FY 2017; Calculated as the sum of T-Mobile US and Sprint revenue/adjusted EBITDA (as per respective company reporting) <sup>4</sup> FY 2017 total net adds (incl. wholesale); U.S. includes 5.7 mn and 1.2 mn net adds for T-Mobile US and Sprint, respectively; T-Mobile US net adds adjusted for wholesale customers restatement

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GERMANY SYSTEMS SOLUTIONS

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# ...WITH AN EVEN STRONGER POSITION POST US DEAL

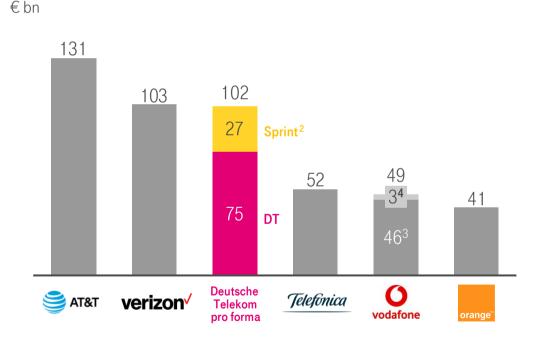
#### Attractive TMUS/Sprint deal terms

Unique value creation opportunity for DT shareholders

- Attractive transaction terms
- Benefitting US consumers, investments & job creation
- Governance designed for efficient integration
- Robust capital structure

#### DT's global position strengthened

Reported Revenue 2017<sup>1</sup>,



Source: Company information

<sup>1</sup> \$-denominated figures converted in € based on exchange rate as of April 20<sup>th</sup>, 2018 (€1 = US\$1.22745) <sup>2</sup> Based on Sprint FY 2017 reported revenue, converted in € <sup>3</sup> LTM as of Sep. 2017 and excluding Netherlands operations in H2 FY 2016/17 <sup>4</sup> Additional revenue from newly acquired Liberty assets in Germany, Czech Republic, Hungary & Romania

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**TECHNOLOGY & INNOVATION** 

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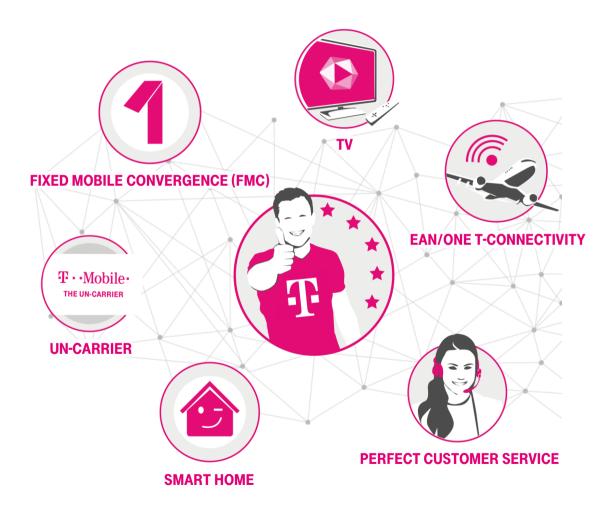
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### **FUTURE GROWTH IS FUELED BY THREE MAIN PILLARS**



## WE LEAD IN CUSTOMER EXPERIENCE AND IMPROVE CONTINUOUSLY



#### Our proof points



**We provide one seamless T-connectivity:** Connect App, European Aviation Network



**We offer the leading FMC proposition:** +1.5 mn FMC customers in our integrated footprint (FY 2017)



We are "The Un-Carrier" in the US: +11% post-paid customers in 2017



We have made it to the living rooms with simple, modular products: TV, Smart Home, Smart Speaker



**Our customer service is continuously improving:** Decreased no-shows in Germany by 33% (FY 2017)

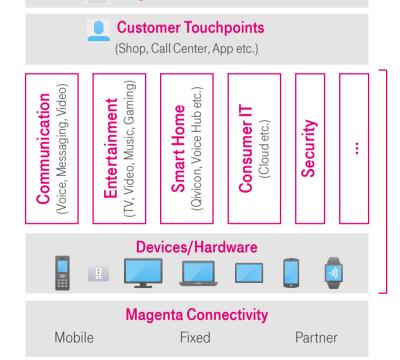
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# **MAGENTA 1: OUR UNIQUE CONVERGENCE OFFER**

#### More than a tariff...

Magenta ID

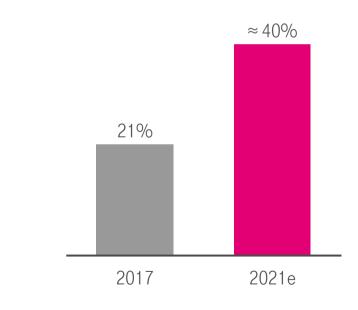


#### Seamless customer experience

- Magenta ID as single identifier
- Omni-channel customer journey

#### ...and resonating with customers

FMC HH penetration in Germany and Europe (blended) (FMC HHs/fixed broadband base)



#### Seamless products & services

- Comprehensive portfolio positioned in the living room
- Integration across devices

#### **Seamless connectivity**

- Access agnostic
- Make, buy and partner

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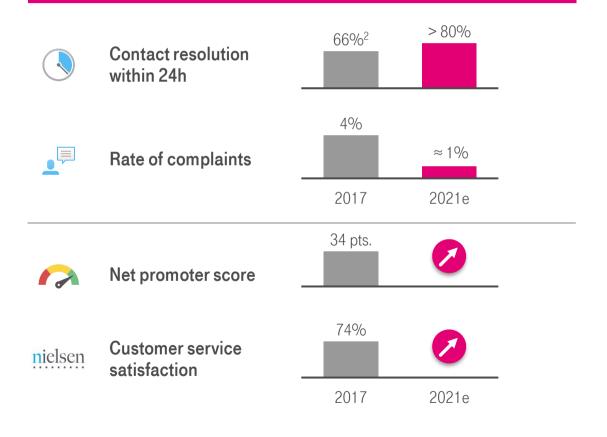
# WE STRIVE FOR PERFECT CUSTOMER SERVICE

#### We treat service as a key differentiator...



- Dedicated organization with > 30,000 employees for E2E responsibility of customer service
- One touch self service ability and personalized customer care with "Mein Magenta App"<sup>1</sup>
- Predictive maintenance to fix problems before they arise

#### ...reflected in our high ambitions





- Own P&L responsibility for dedicated teams
- Very high "Care NPS" (+9 pts. yoy 2017) at very low costs per account (-13% yoy 2017)
- Focus for 2018: global care to ensure 24/7 best customer experience

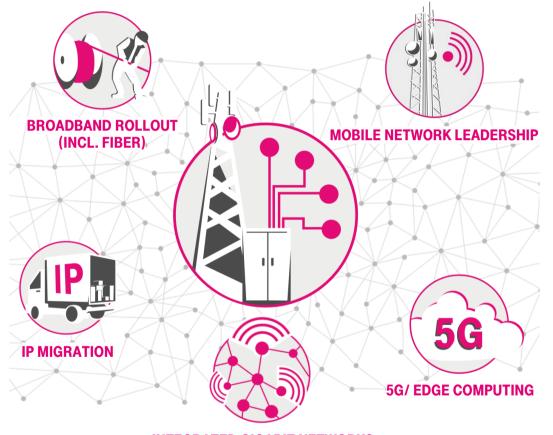
<sup>1</sup> Formerly MagentaSERVICE App <sup>2</sup> Q1 2018

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### WE ARE "DEDICATED NETWORK INVESTORS"



#### **INTEGRATED GIGABIT NETWORKS**

<sup>1</sup> Bandwidth  $\geq$  50 Mbps, delayed due to regulatory decisions

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#### Our proof points



We own extended fiber backbone in our european footprint: Key asset for integrated Gigabit networks



We roll out broadband for the masses:  $\approx 80\%$  HH coverage with vectoring in 2019 ( $\approx 62\%$  in 2018)<sup>1</sup>



**We push the fiber rollout:** Already more than 455,000 km fiber deployed in Germany, 240,000 km in our EU footprint



**We enable real-time networks: IP migration** completed in 5 EU NatCos, 75 k BNG access nodes migrated in Germany in 2017



**We provide leading mobile network quality:** Winner of all relevant network tests (e.g. Connect, P3, Opensignal)



**We drive network innovation with 5G and Edge Computing:** 600 MHz rollout started in US, MobiledgeX launched

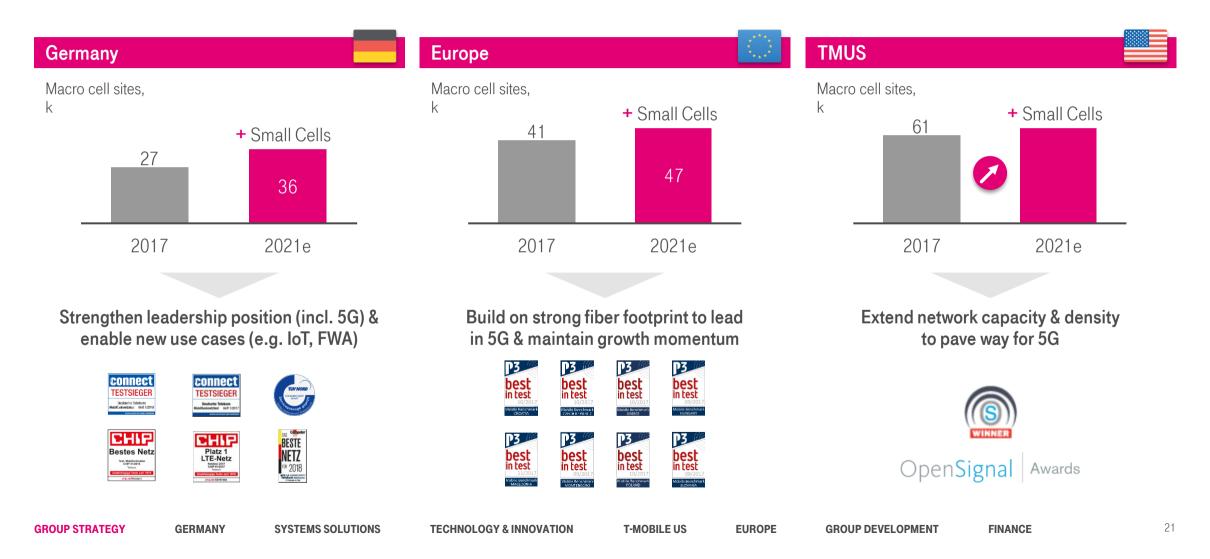
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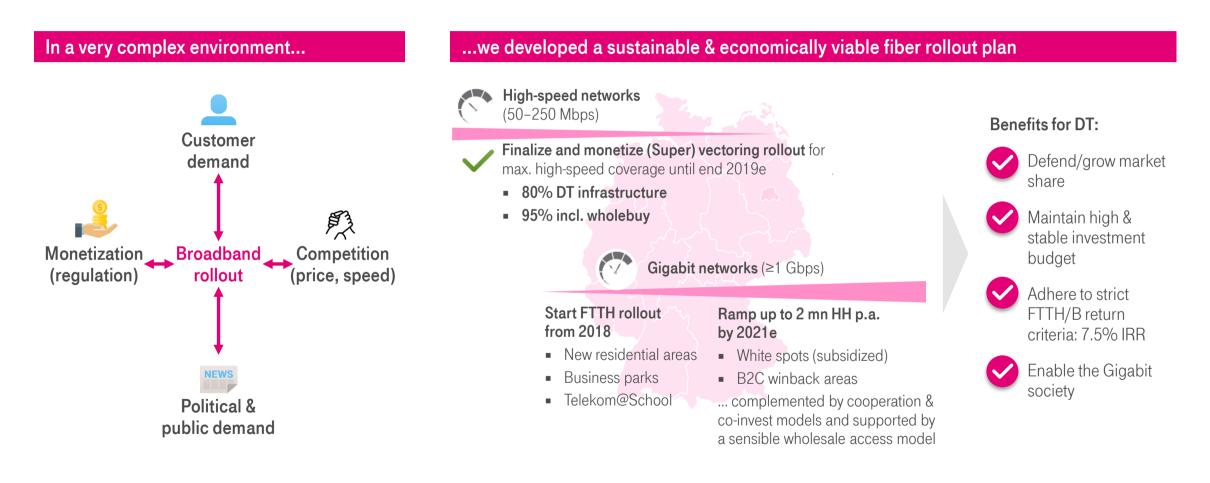
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## **MOBILE NETWORK LEADERSHIP EVERYWHERE**



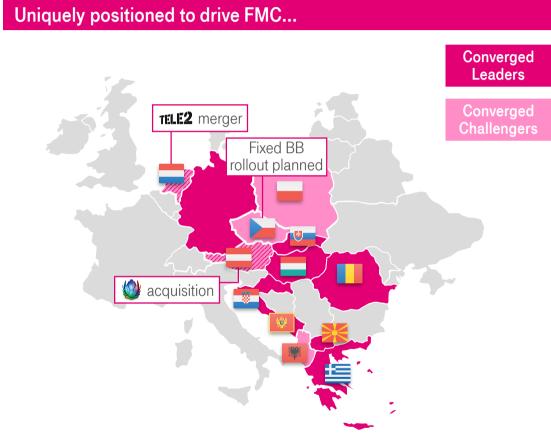
### **PUSHING FIBER ROLLOUT IN GERMANY...**



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# **...AND INTEGRATING GIGABIT NETWORKS IN EUROPE**

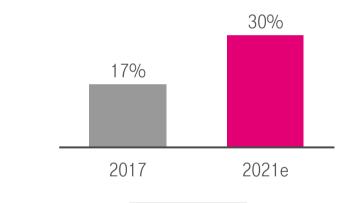


<sup>1</sup> FTTH/B and Cable ED3.1, excluding Romania

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#### ...and further drive broadband rollout

FTTH/B household coverage<sup>1</sup>, % of HH in GR, HU, SK, HR



- Triple organic FTTH/B investment (run-rate p.a.) within stable total capex envelope in EU NatCos until 2021e<sup>1</sup>
- FMC proposition to drive penetration & mitigate back book risks (front book ≈ back book)

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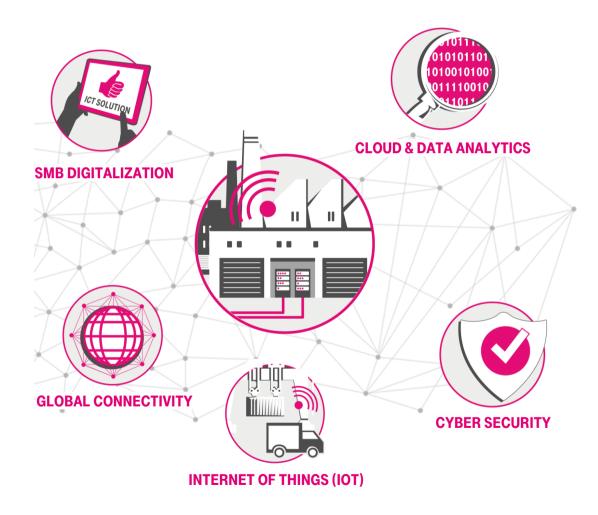
### **MANAGE REGULATION**

Group revenue spli	t	Recent developm	ents		DT position
			Fiber	<ul> <li>"We create incentives via change to ex-post Open Access regulation instead of detailed ex-ante Regulation like copper"</li> </ul>	<ul> <li>Create conditions for collaborations</li> <li>Provide fair framework for fiber investments</li> </ul>
	Regulated	German coalition agreement 2018	Subsidies	<ul> <li>"We want nationwide Gigabit networks until 2025, preferably with fiber into the building"</li> <li>"We expect €10-12 bn funding needs in this legislative period"</li> </ul>	<ul> <li>Make sensible use of public funding</li> </ul>
> 50%	Non-Regulated (mainly US)		5G	<ul> <li>"We speed up densification of mobile networks and develop Germany to a leading market for 5G"</li> </ul>	<ul> <li>Release spectrum for 50 securing investment incentives</li> </ul>
Ø 2015 – 201	17	EU regulation	Consolidation	<ul> <li>Foster market environment for further infrastructure investment</li> </ul>	<ul> <li>Push approval of merger in NL and AT</li> </ul>

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# WE INCREASE BUSINESS PRODUCTIVITY...



#### Our proof points



We build horizontal platforms & vertical solutions for the Internet of Things: NB-IoT network in 8 EU markets & US, IoT unit established



We enable E2E SMB digitalization with secure & reliable ICT solutions: Existing trusted customer relationships, 20% IT/Cloud revenue growth in SMB in 2017 in Germany



**We provide leading cyber security solutions:** German market leader with > 1,400 experts



We enhance our global connectivity proposition: Germanyoutbound focus, smart SD-WAN powered by ngena

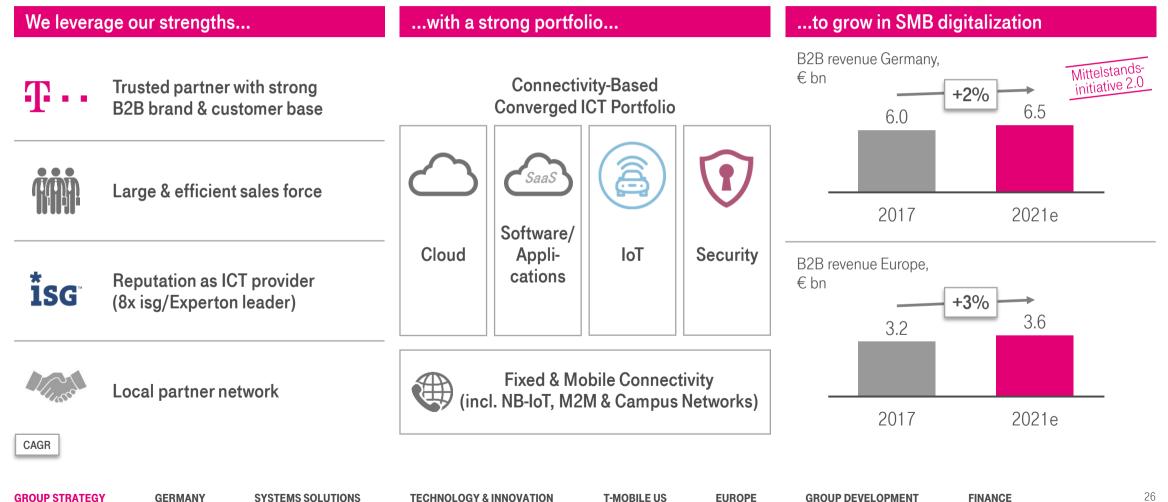


**We provide platforms for secure data exchange and analytics:** Telekom Data Intelligence Hub (DTH) launched

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## ...WITH SECURE ICT SOLUTIONS FOR SMB DIGITALIZATION

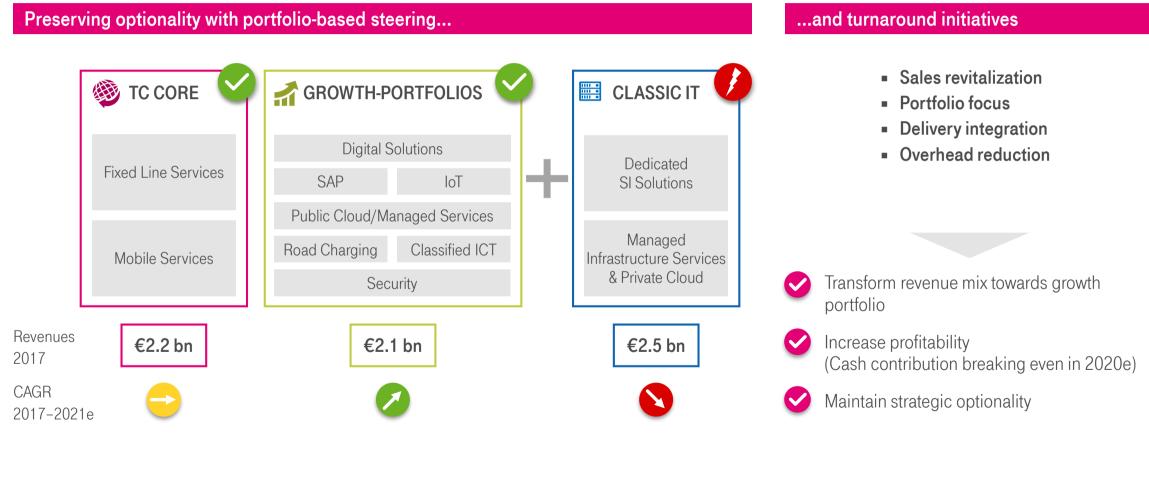


# **CLEAR TURNAROUND PLAN FOR T-SYSTEMS**

**GROUP STRATEGY** 

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**GROUP DEVELOPMENT** 

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### **GROWTH UNDERPINNED BY VALUE TRANSFORMATION**



#### SIMPLIFY, DIGITALIZE, ACCELERATE

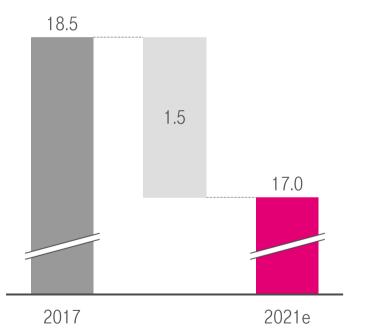
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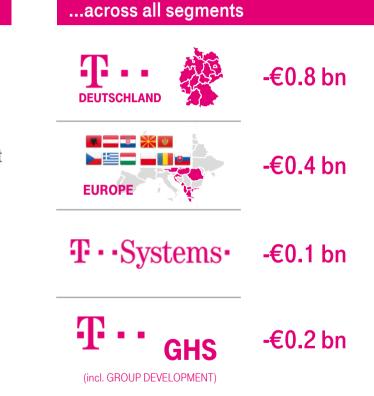
# **EFFICIENCY TO FUND INVESTMENTS INTO GROWTH**

#### Accelerated cost reduction...

#### Indirect Costs DT Group ex US, €bn



- Address cost savings potential more effectively than in the past
- Focus on operational excellence and lean organizational structure (e.g. enabled by digitalization)

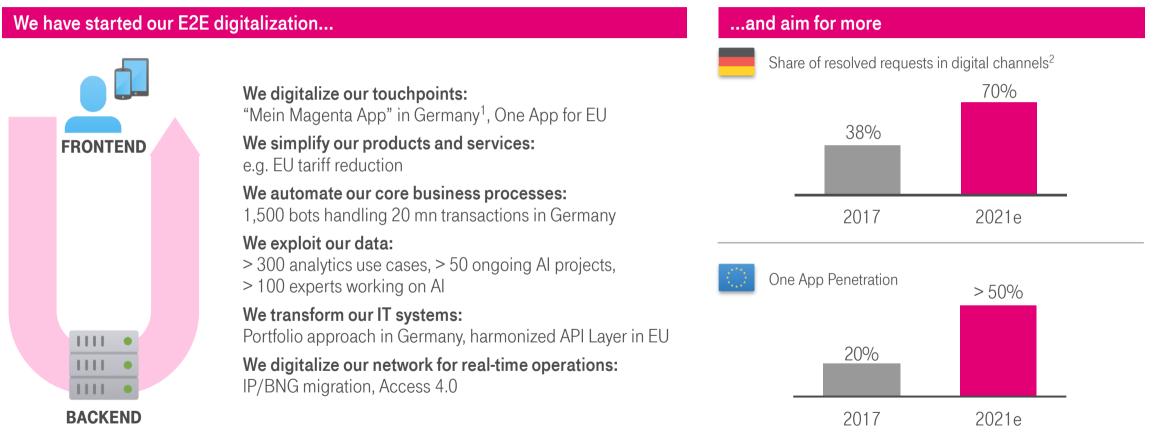


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# **DIGITAL TRANSFORMATION TO ADDRESS UNTAPPED POTENTIAL**



<sup>1</sup> Formerly MagentaSERVICE App <sup>2</sup> E-Service Share Interaction, year end 2017

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# **BOLD CULTURAL TRANSFORMATION...**

#### Strengthened the team on all levels...

New board members ...







Adel Al-Saleh T-Systems

Srini Gopalan Europe

Alex Choi

Research & Technology

Innovation

Dirk Wössner Germany

...supported by a strong international management team



Omair Khan Data Governance



**Omar Tazi** Product Innovation & Customer Experience



Surya Manepalli Operational Excellence TSI



**Eva Somorjai** Human Resource Europe



Campbell McClean IT Architecture

...



**Debanjan Banerjee** Investment Monetization Europe

#### ...to drive cultural transformation

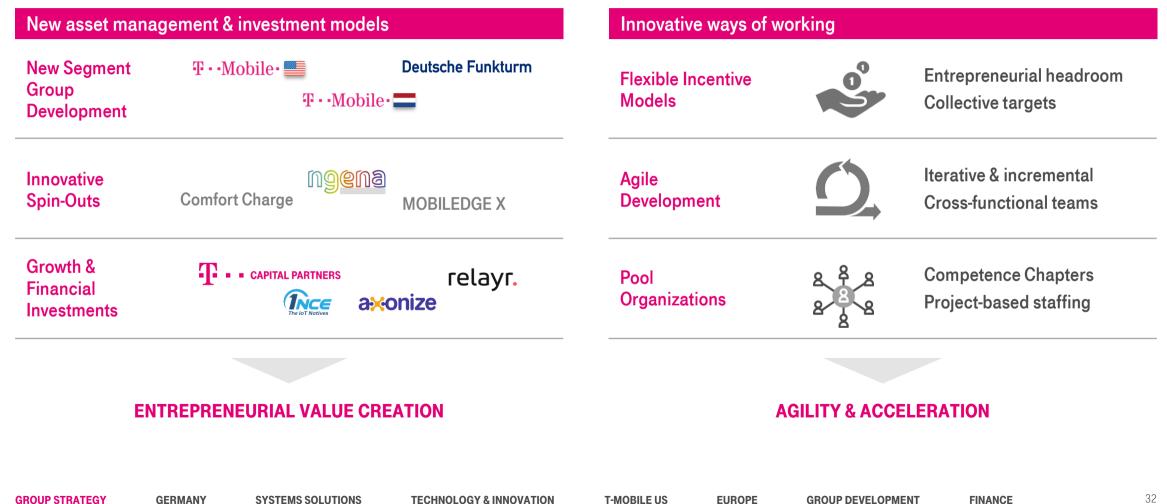


- Transform culture & organization towards agile mindset (220 T<sup>3</sup> transformation leaders participated in classes in 2017)
- Support cross-functional collaboration (90% of business leader placements in 2017 were cross-functional)
- Establish new ways of working (T&I established with new pool organization; > 10k employees enabled in "Design Thinking" in 2017)
- Drive empowerment and entrepreneurship

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### ...INNOVATIVE BUSINESS & STEERING MODELS...



# ...TAKING CORPORATE RESPONSIBILITY



#### ... of contribution to the sustainable development goals

- Climate: 20% CO<sub>2</sub> footprint reduction by 2020e<sup>1</sup>
- **Renewable energy share:** Group at 41% (2017), TMUS aims at 100% by 2021e
- Impact: Positive CO<sub>2</sub> effect enabled on customer side at 71% above DT emissions
- **ESG<sup>2</sup> risk assessment** integral part in purchasing process
- 81% of **procurement volume reviewed** according to ESG<sup>2</sup> criteria (i.e. audits)
- Joint audit corporation and supplier development program
- "Code of Human Rights & Social Principles" & "Employee Relations Policy"
- Continuous human rights due diligence covering > 100 business units<sup>3</sup>
- 41% of social engagement activities focus on media skills & digital literacy
- Telekom Foundation with focus on STEM<sup>4</sup>, digital teaching and learning
- Integration into the German labor market: DT employs ≈ 340 refugees
- Ethics codex for responsible use of Artificial Intelligence implemented
- Codex defines how DT will use AI for product and service development

<sup>1</sup> Compared to base year 2008, without T-Mobile US, in t CO<sub>2</sub> <sup>2</sup> ESG: Environmental, Social & Governance <sup>3</sup> Incl. assessments of basic minimum requirements <sup>4</sup> Science, technology, engineering and mathematics

**GROUP STRATEGY** 

SYSTEMS SOLUTIONS

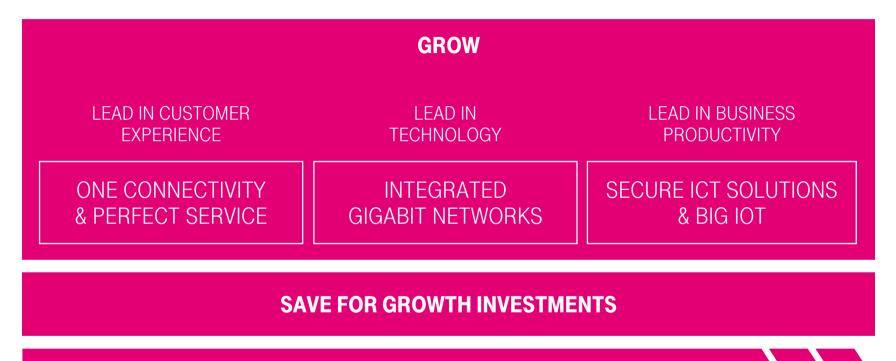
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### **OUR AMBITION: LEADING EUROPEAN TELCO**



SIMPLIFY, DIGITALIZE, ACCELERATE

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# **MID TERM AMBITION LEVEL**

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### **MID TERM AMBITION LEVEL**

	Mid term ambition level <sup>1</sup>	Year	Implications of US deal <sup>2</sup>
GROUP REVENUES	CAGR +1-2%	2017-2021e	Confirmed
GROUP ADJ. EBITDA	CAGR +2-4%	2017-2021e	Confirmed
GROUP FCF	CAGR ≈ +10%	2017-2021e	Slightly dilutive in 2021e & accretive in 2022e
GROUP ADJ. EPS	≈€1.20	2021e	Slightly dilutive in 2021e & accretive in 2022e
GROUP ROCE	ROCE > WACC	2021e	Confirmed
GROUP CASH CAPEX	Ex US stable	2017-2021e	Confirmed
GROUP INDIRECT OPEX	Ex US -€1.5 bn	2017-2021e	Confirmed
SHAREHOLDER REMUNERATION POLICY (2018–2021) <sup>3</sup>	Dividend will reflect growth in adjusted EPS. Floor remains at €0.50 per share	2017-2021e	Confirmed

<sup>1</sup> Based on constant exchange rates (Average exchange rate 2017 of  $\in$  1 = US\$1.13) and no further changes in the scope of consolidation <sup>2</sup> Assumption: closure date Jan. 1<sup>st</sup>, 2019 <sup>3</sup> Subject to necessary AGM approval and board resolution. 2018 dividend target of  $\in$  0.70 per share. Share buy backs to be considered, but not relevant for first 3 years in US deal scenario.

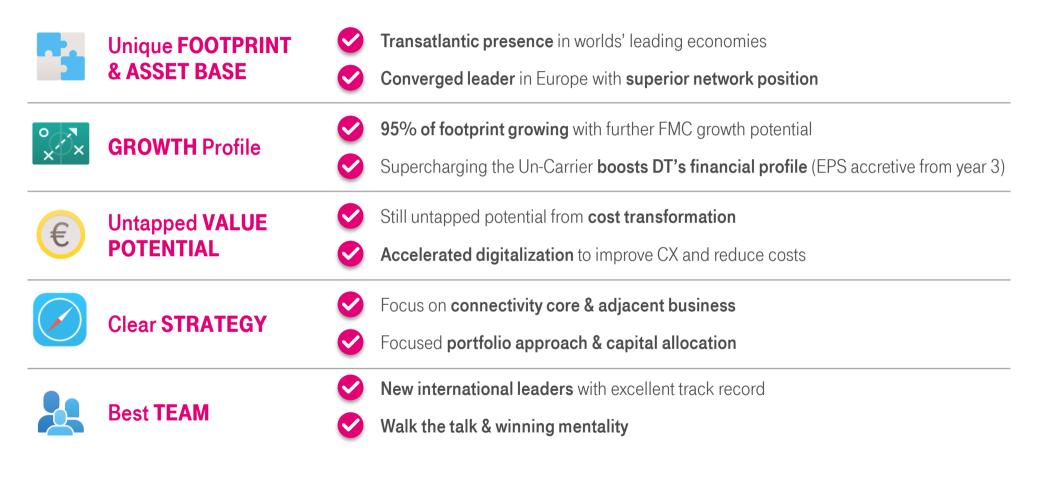
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## WHY DT: BEST POSITIONED FOR FUTURE GROWTH

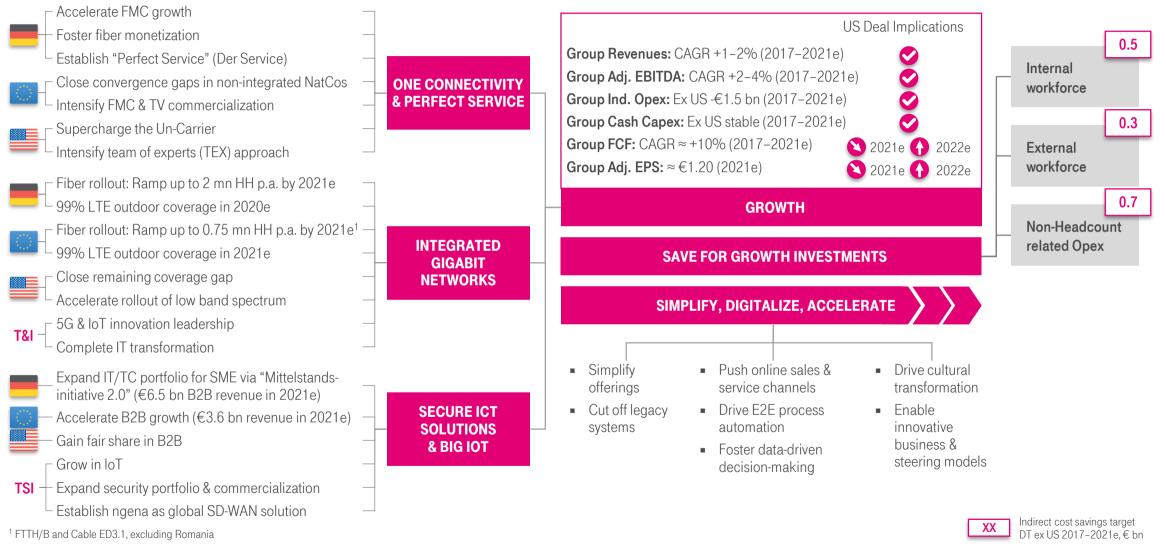


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# **BOTTOM LINE: WE HAVE A PLAN**



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