

Climate action accelerates





Share of global emissions covered by a national net zero commitment

3%

2018

78%

Today

Commitments can mean drastic things—ex. Germany









Coal exit 2030, 100% renewables 2035 No more investments in fossil assets

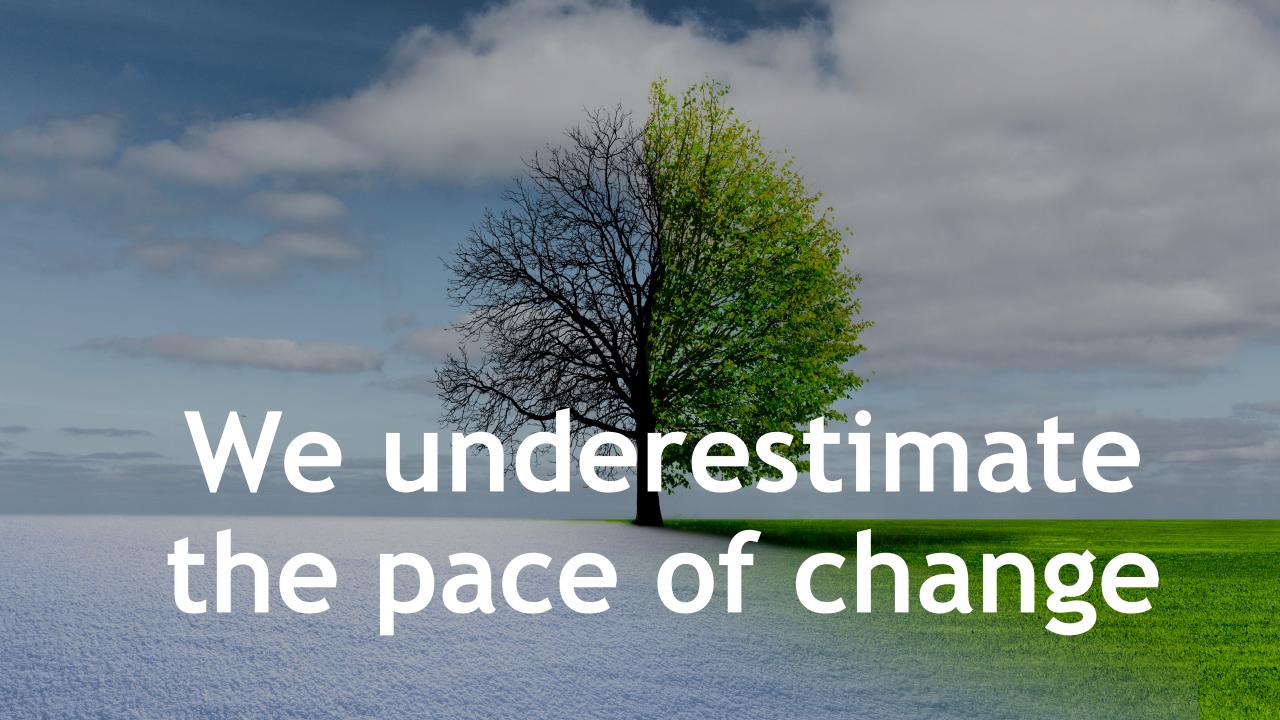
~2030 ICE exit in passenger cars No new oil & gas boilers after 2024

Backup: Gas plants with green hydrogen

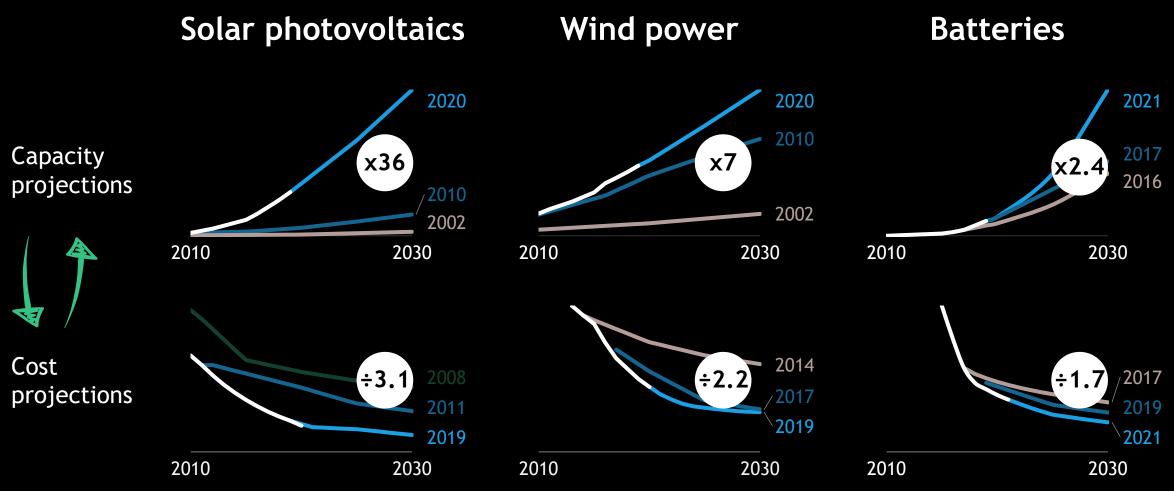
across Germany's entire industry

>70% alternative drives also for new trucks

wherever possible



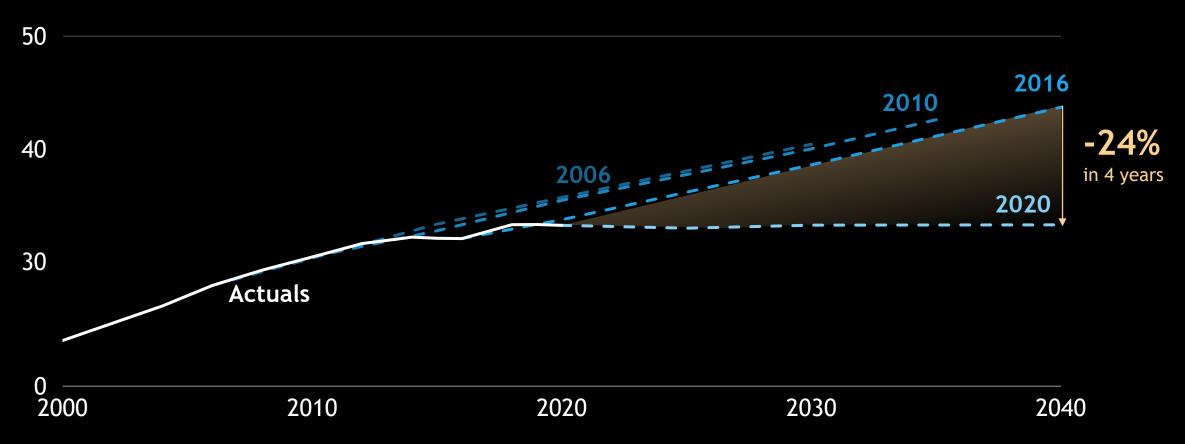
We underestimate technology progress



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We underestimate policy progress

Energy-related CO₂ emissions trajectory under IEA's most conservative scenario¹ (Gt)

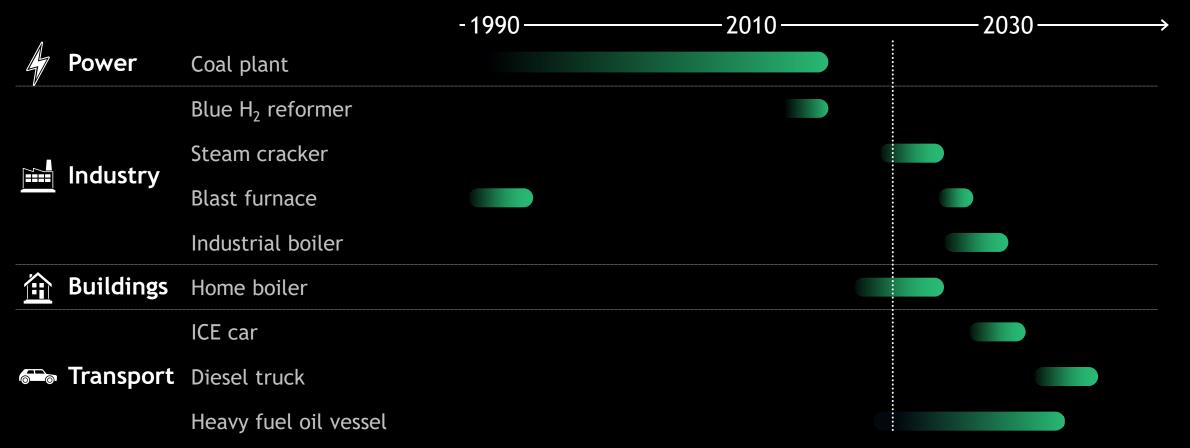


^{1. &#}x27;Reference scenario" in 2006, Current Policies scenario in 2010 and 2016, Stated policies scenario in 2020 Source: IEA World Energy Outlook for 2006, 2010, 2016, 2019, 2020

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We underestimate how soon change will strike...

Date range¹ for "stranded assets" in developed countries (for emerging geos: 10-15 years later)



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...especially on capital markets

Stock prices of German utilities: 75-85% loss since 2008 %, indexed to January 4, 2008

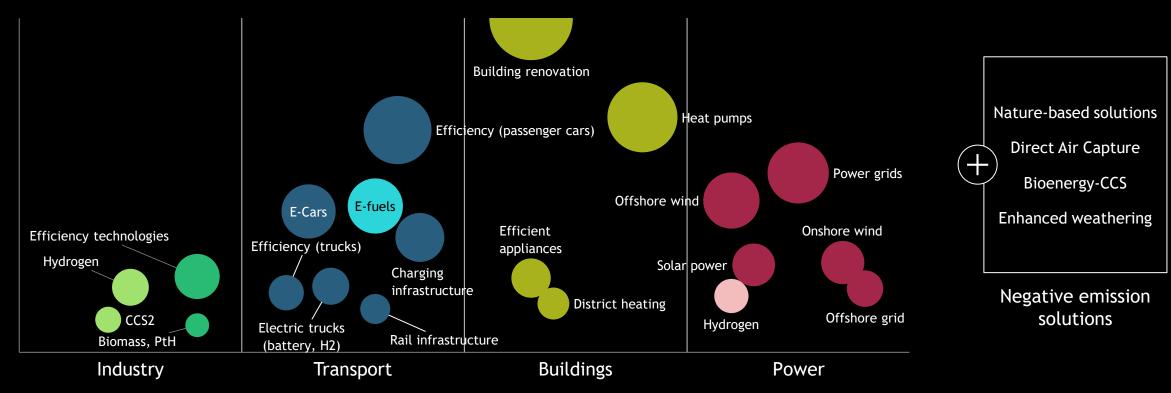




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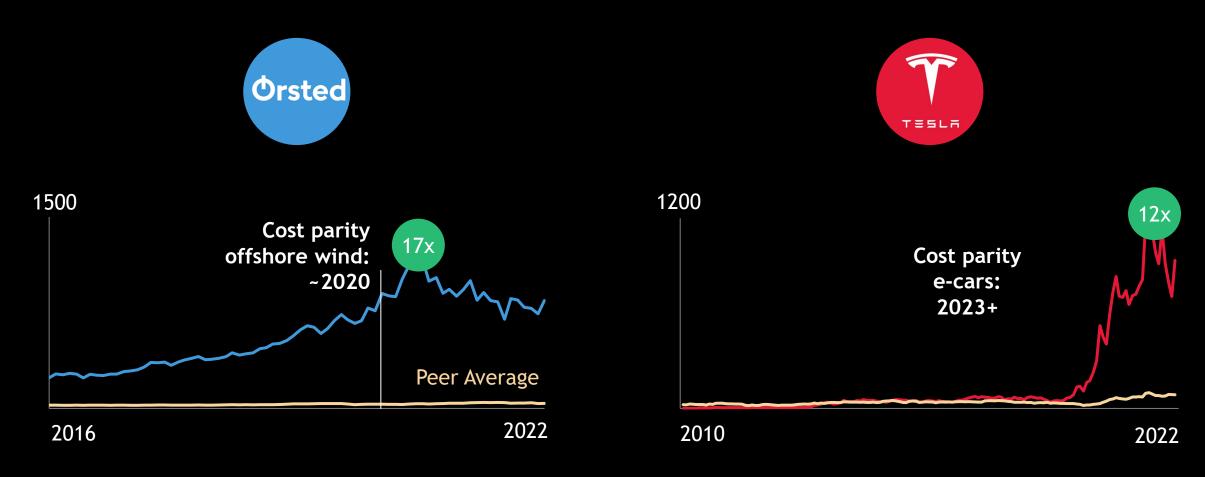
...in tech: ~6T€ additional investments in EU alone

Cumulative additional investments for a European "net zero" path until 2050 in B€



No need to wait for 'cost parity'

Stock prices (\$), early movers vs. peers



...in CP: Even net zero products won't break the bank

Automotive











<€500

<€1

<€1

<€5k

<€3

<€1ct

<2% avg. cost increase on a €30k car

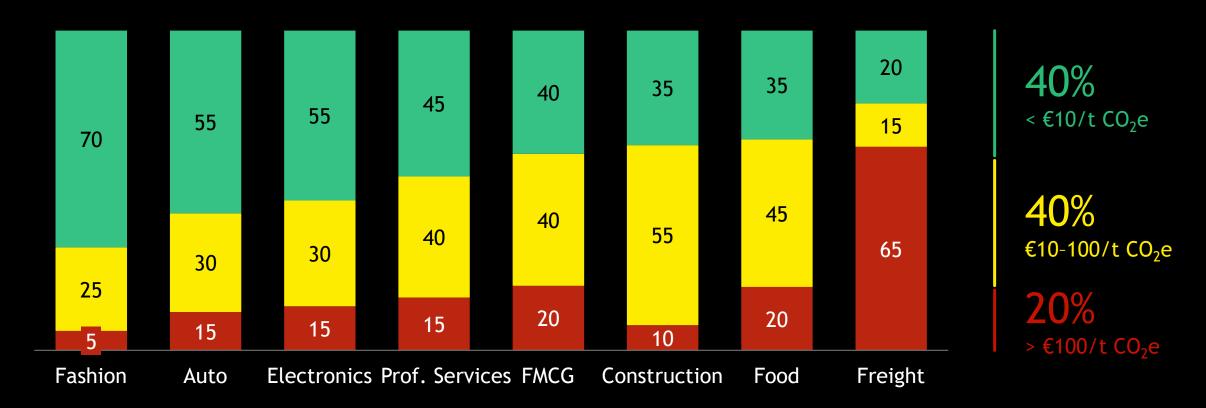
<2% avg. cost increase on a €40 pair of jeans <4% avg. cost increase on a €20 shopping basket

<3% avg. cost increase on a €150k home

<1% avg. cost increase on a €400 smartphone <1% avg. cost increase on a €0.9 soda bottle

~40% of value chain emissions abatable at low cost

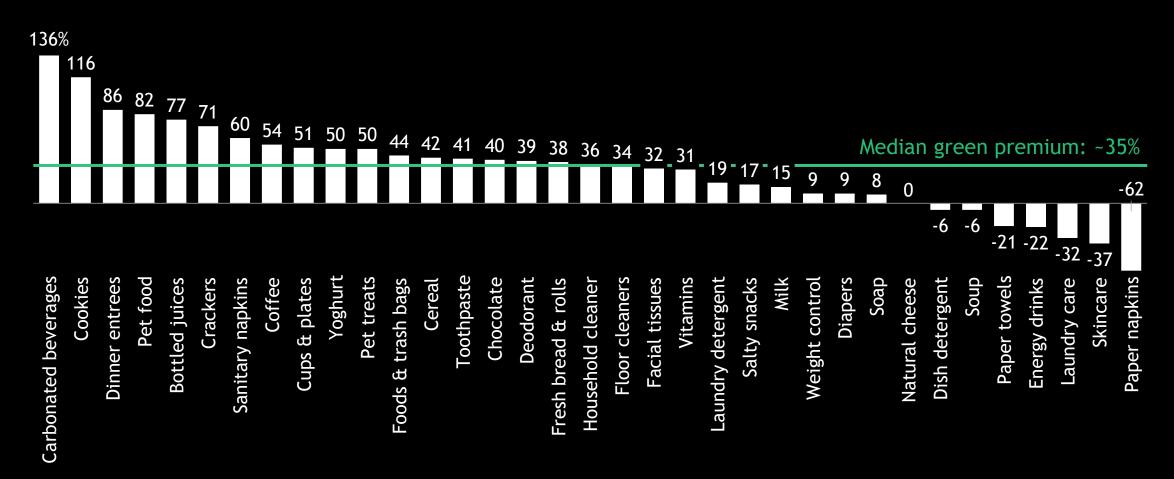
Share of abatement lever cost by value chain (%)



Note: Indicative shares for each value chain; FMCG = fast-moving consumer goods; Freight includes aviation, shipping and heavy road transport

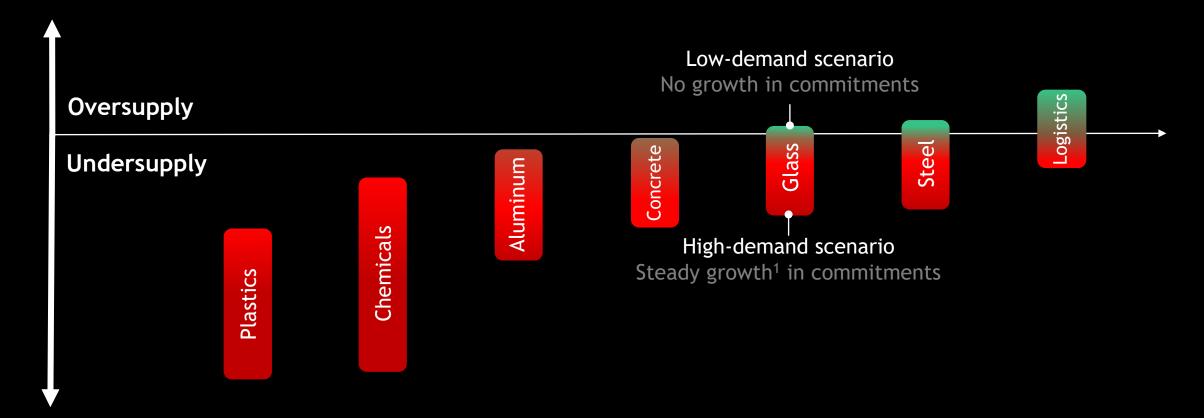
No market? Consumers pay more for sustainability

Price premium/discount for sustainability-marketed products in consumer-packaged goods, USA (2021)



...in industry: Green materials will be undersupplied

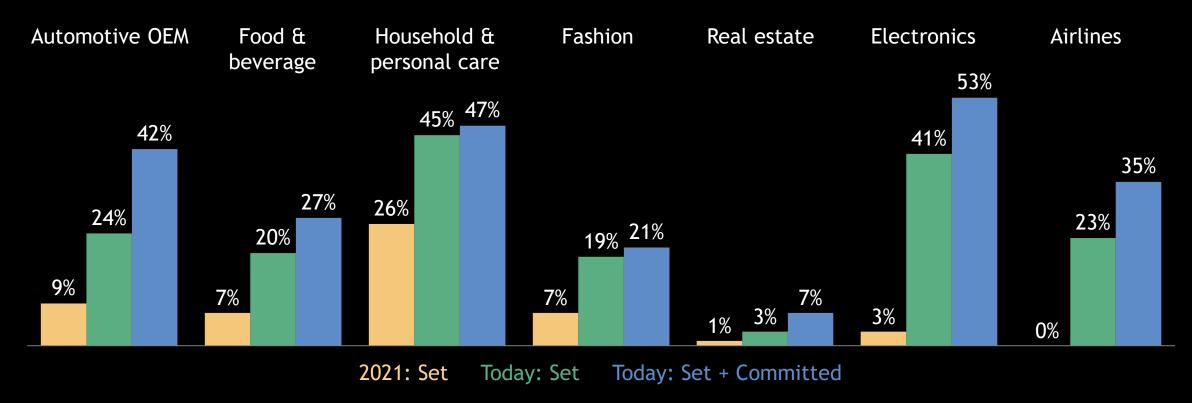
Estimate of supply scarcity risk of green materials in 2030



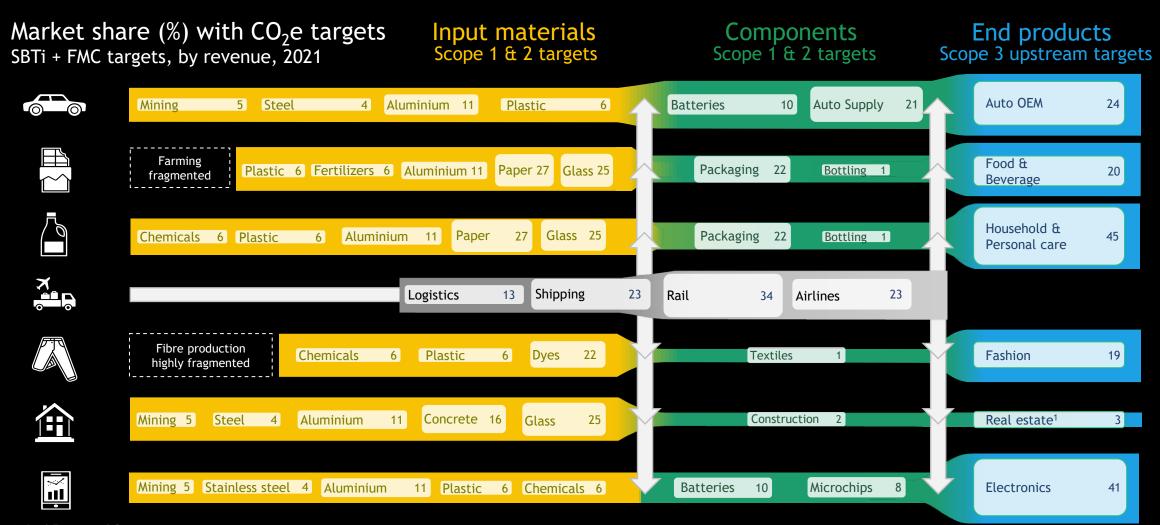
Note: Commitments intended as upstream commitments; 1. Based on 2030 growth in commitments by sector, assumes continued decline in gap to 100% of revenue covered by upstream commitments [80% for Auto OEM, 59% for Food&Bev, 76% for Households & PC, 46% for Fashion, 20% for Real-Estate and 100% for Electronics]; Green Demand considered at different commitment levels up till 2030, defined as current SBTi commitments and assuming linear growth as per 2021-2022 period. Green Capacity considered at 2030 figure over Global Capacity in the same period; Source: Company announcements; news reports; BCG analysis

Supply chain decarb commitments growing quickly

Market share of companies with upstream Scope 3 sustainability commitments in different sectors (%, by revenue, 2021)



Upstream players are lagging in decarbonization



1. Real Estate and Construction Source: S&P Capital IQ; Market reports; Company Annual Reports; BCG analysis

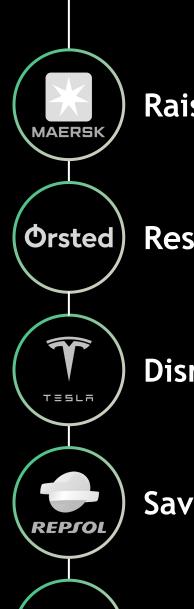
Climate leaders gain competitive advantage

	Higher revenues	Save cash and carbon	Lower regu- latory risks	Cheaper financing	+3 pp TSR for top quartile environmental performers globally
Easier hiring, retention					
				-100 bp WACC for top quartile environmental performers in Europe	
			+2-12 pp EBIT margin after EU Carbon Border Tax ¹ for companies abating 55% of emissions		
		of emission reduction at net zero cost in key sectors			
	+4-25 %				
40 %	CAGR of sales growth for 'green' products				
of talent seek sustainability					

^{1.} Based on a €75/tCO₂ carbon price assumption for 2030 Source: EU announcements; BCG analysis

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Individual companies can change the game. But they need all help they can get.



SSAB

Raise the bar for their industry

Reshape their context

Disrupt their (industry's) business model

Save cash while saving carbon

Pioneer a net zero product

