

Presentation of Equinor hydrogen plans for Vestlandsrådet



equinor

Teams
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I AM SAFETY

roadmap



- Equinor's annual wheel
- Life saving rules (LSR)



- Proactive and visible safety leadership



- Compliance & leadership
- Digital observation cards
- Collaboration with suppliers and partners



- Leading indicators

• Major accident prevention • I am safety expectations

Hydrogen Safety - Framework for major accident prevention

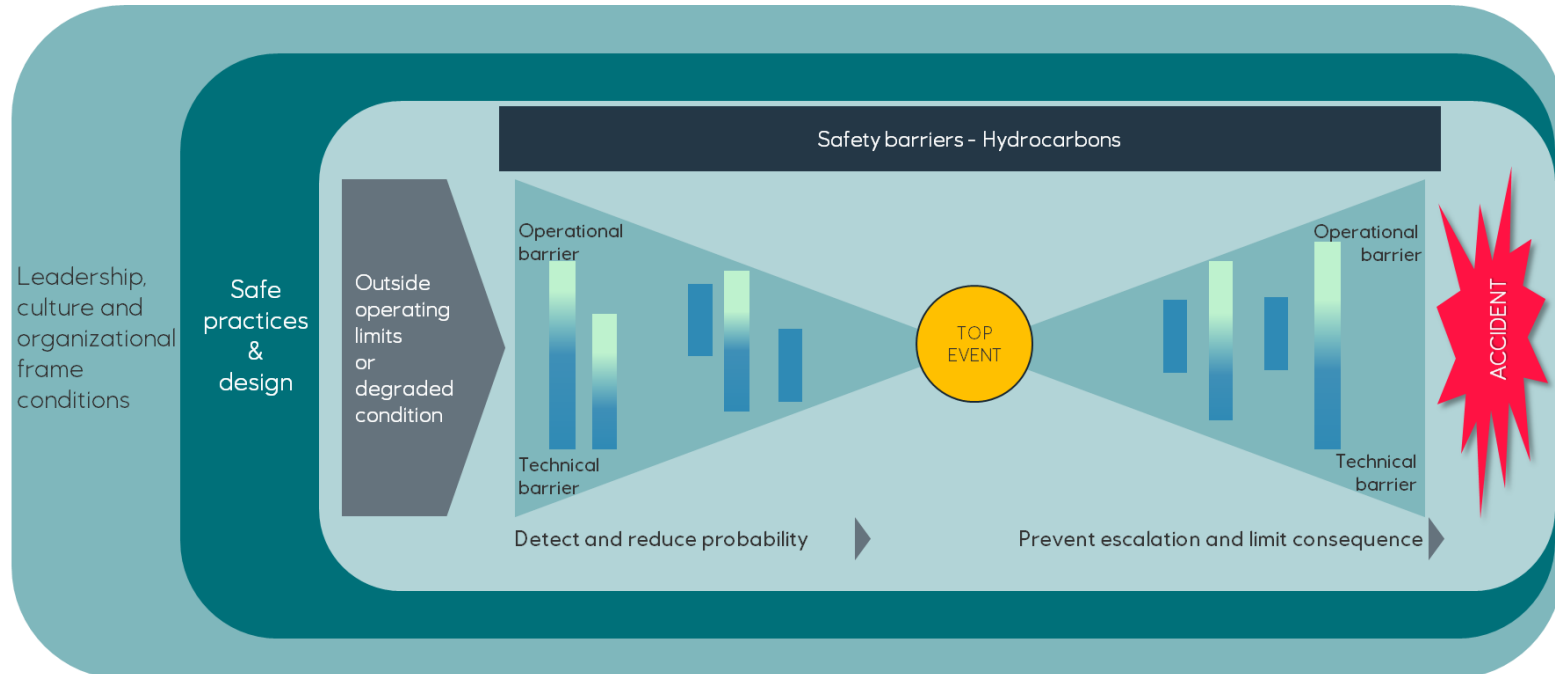


Safety-in-design & operation

- Learning: in-depth study of 150 major accidents investigated by industry
- Building plant based on top-tier specialized contractor's technical specifications
- Focus on key barriers for Equinor add-ons
- Major accident prevention methodology

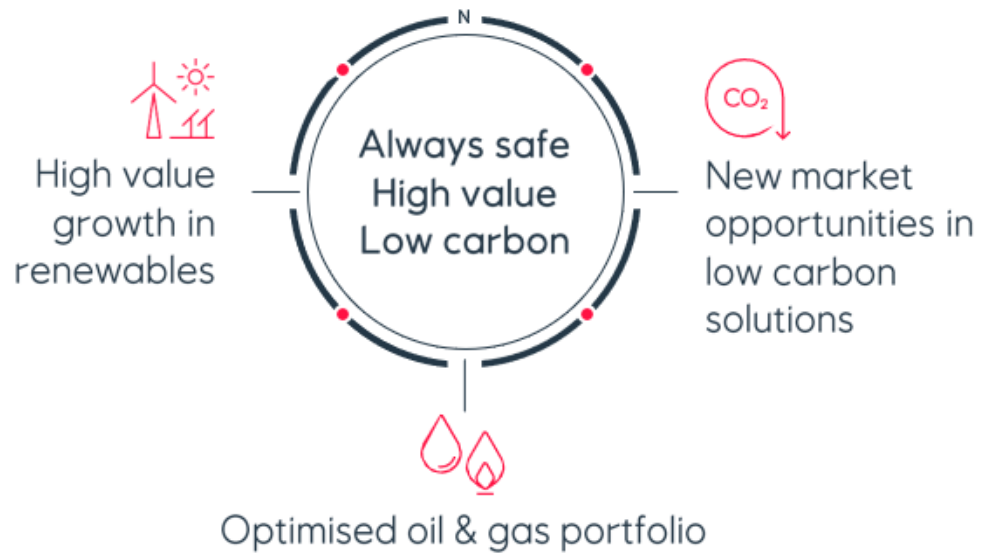
Consequences	On a sample comprising 213 cases with known consequences	
	Nb of cases	%
Deaths	25	12
Serious injuries	28	13
Injuries (including serious ones)	70	33
Internal material damage	183	86
External material damage	17	8
Internal operating losses	89	42
Evacuated population	8	3,8

} 45%



Equinor | Net Zero by 2050

OUR STRATEGY



LOW CARBON AMBITIONS

30-50 MILLION TONNES PER ANNUM
CO₂ transport and storage capacity by 2035
Equinor share

3-5 MAJOR INDUSTRIAL CLUSTERS
Clean hydrogen projects by 2035

50 % GROSS CAPEX INVESTMENTS
Renewables and low carbon solutions by 2030

Low carbon hydrogen - the task is to fit together supply, demand, infrastructure and regulatory/funding for the full value chain

Supply



Demand



Regulatory & funding



Thyssenkrupp Steel to receive \$2.2 billion in funding for decarbonisation

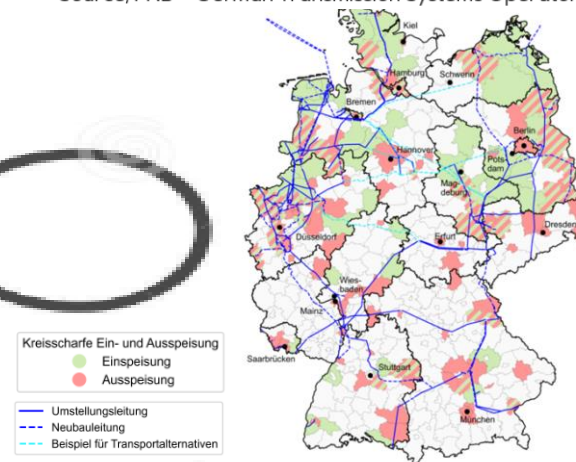


Carbon Contract for Differences for the development of low-carbon hydrogen in Europe



Source: FNB – German Transmission Systems Operators, July 12, 2023

Infrastructure



EU industry is having hard times, Balancing decarbonization and competitiveness, Uncertainty in frame conditions

EUROPEAN GREEN DEAL

REACHING OUR 2030 CLIMATE TARGETS



#EUGreenDeal



ThyssenKrupp to cut 11,000 jobs at steel division in major corporate shakeup

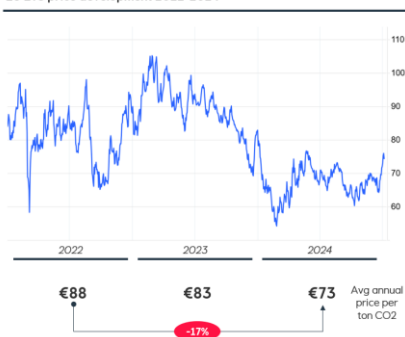
By Tom Käckenhoff and Friederike Heine
November 25, 2024 7:58 PM GMT+1 · Updated 2 months ago



NEWS
BASF Sells Ammonia, Methanol and Melamine Plants



EU ETS price development 2022-2024



Shell shelves Norway hydrogen project due to lack of demand

By Reuters
September 23, 2024 4:56 PM GMT+2 · Updated 4 months ago

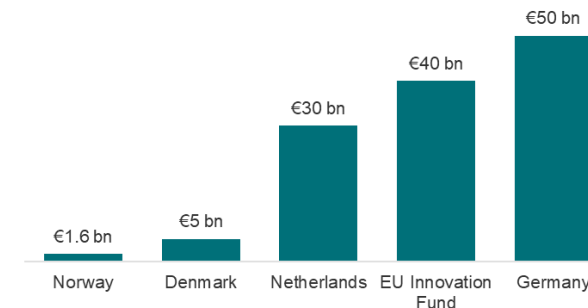


Norway's Equinor scraps plans to export blue hydrogen to Germany

By Reuters
September 21, 2024 4:26 PM GMT+2 · Updated 4 months ago



Growing funding pool in Europe to deploy net-zero technologies



What does it take to succeed in the energy transition?



Equinor's Low Carbon Hydrogen Projects in NWE



Project name	Project type	Country	Capacity (GW)
H2M Eemshaven	LCH	NL	1
H2BE Gent	LCH	BE	1
H2GE Rostock	LCH	GE	1



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