

Compliance notice

- mis event has participants from companies that are competitors with one another
- We need to remember that it is, at all times, forbidden for competitors to discuss and share competitively sensitive information, including information about their:
- Current or future pricing
- Current or future costs
- Current or future output and capacity levels
- Sales efforts directed at present or prospective customers or customer groups
- Marketing and strategic plans not already in the public domain





COVID 19 – Impact on the Steel Supply and Demand

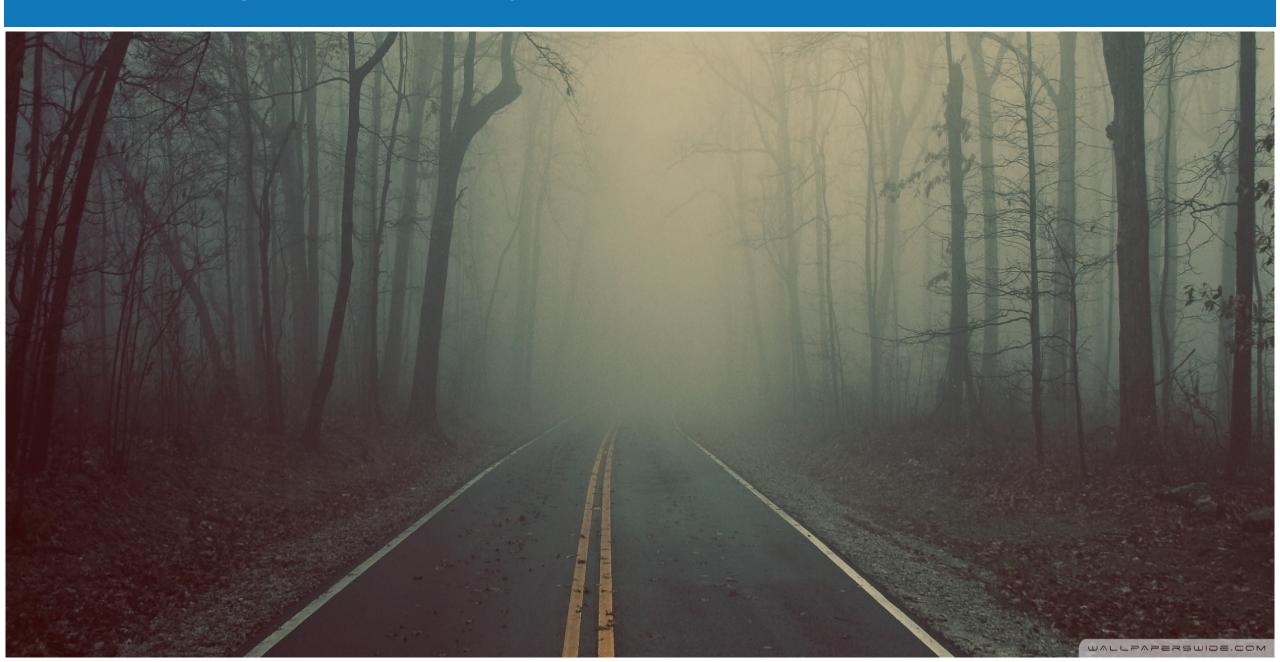


Sustainable Steel



Steel 4.0 - Digitalisation and Al

2020: Maneuvering with reduced visabillity



Covid-19: World GDP: Recession 2020 stronger than the Financial Crisis 2009

Will macroeconomic forecasts and the financial crisis give us guidance?

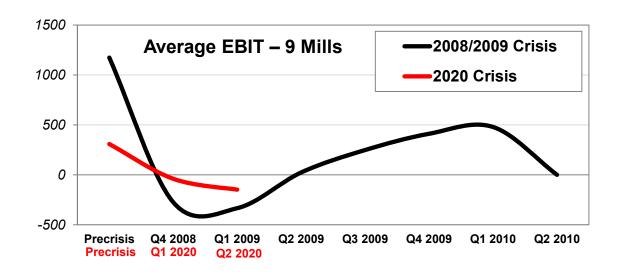


World GDP growth 2020

% chang	ge on previous	year		
	A pril	May	Current	
	Forecast	Forecast	Forecast	
Real GDP				
North America				
United States	-4.1	-13.2	-7.2	
Canada	-6.5	-14.5	-6.4	
Europe				
Eurozone	-5.0	-12.0	-6.9	
Germany	-3.9	-11.8	-5.3	
France	-5.3	-12.2	-4.1	
ltaly	-7.6	-14.0	-9.4	
UK	-5.1	-10.0	-7.1	
EU27 incl UK	-4.8	-11.3	-6.9	
Asia				
Japan	-4.8	-13.8	-7.9	
Emerging Asia, excl Japan	-0.5	-6.7	0.5	
China	-0.2	-5.2	3.0	
India	-1.0	-7.6	6.3	
World	-2.8	-10.6	-4.5	
Commotity Prices				
Brent Oil (\$/bl)*	29.9	34.4	37.8	



Region	2019	2020e	Change	SI	Share	
	In [mill. Tonnes]		[%]			
China	993	1.055	6%	54%	58%	
ROW	848	755	-11%	46%	42%	
Total World	1,841	1,810	-2%	100%	100%	

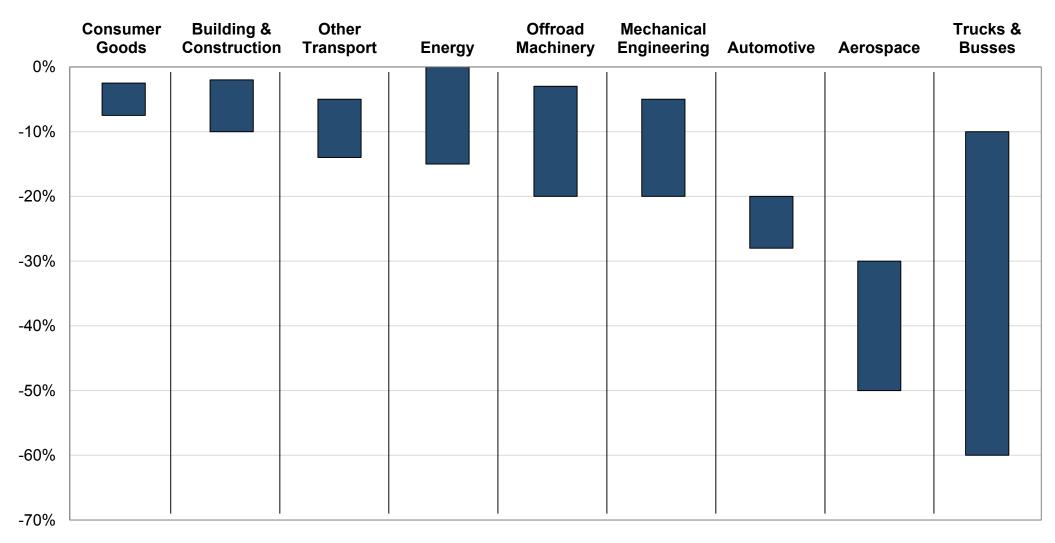


Source: IMF / OEF / Status October 2020

Covid-19: Global Impact on various Industry Segments (outside China)







Source: worldsteel.org, OEF, KGP Automotive Intelligence, IMS Markit,

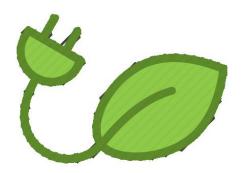
Sustainable Steel – where do we stand in 2020?

Key issue to keep steel at the forefront to limit climate change





1.85 t / tonne



ZU GJ / tonne

MATERIAL EFFICIENCY

>96%



Steel 4.0 (Digitalization and Al)





Internet of Things Cyber Security Digital Twins Augumented Work Big Data Analytics Self Driving Vehicles Cloud Computing Digital Customer Access Production Line Simulation Robots Predictive Maintenaince Self-organizing Production