

# **SUSTAINALYTICS**

## **SUSTAINABLE FINANCE SOLUTIONS**

### **Second-Party Opinion on Transition Frameworks**



# About Sustainalytics



**25 YEARS**

of developing innovative solutions



**35% MARKET SHARE**

on sustainable bonds in 2019\*



**600**

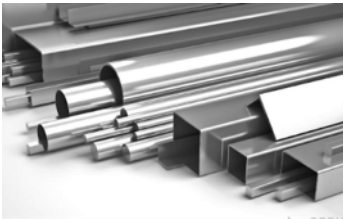
of the world's leading asset managers and pension funds



- » Understanding Transition Finance
- » Sustainalytics' Approach to Transition Finance
- » Sector Criteria for Steel and Natural Gas
- » Q&A

# Transition Finance in Context

- » According to climate models, achieving climate change mitigation ambitions as outlined in the Paris Agreement requires global decarbonization by around 2050.
- » Green finance has experienced tremendous growth in recent years, focusing primarily on activities/assets that offer solutions to climate challenges.
- » However, achieving Paris Agreement will require the expansion beyond “green” to include investment in “hard-to-abate” activities that will incrementally shift toward green
- » **Transition Bonds**
  - » Finance activities/projects that contribute to the decarbonization of hard-to-abate activities along a trajectory that aims to align with the Paris Agreement
  - » Targeted at carbon-intensive sectors for which low-carbon solutions/technologies are generally not yet available at scale
  - » Sustainalytics’ Transition Taxonomy focuses on six industries, to be released on a staggered basis:



**Steel**



**Natural Gas**



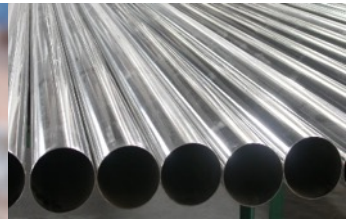
**Shipping**



**Aviation**



**Cement**

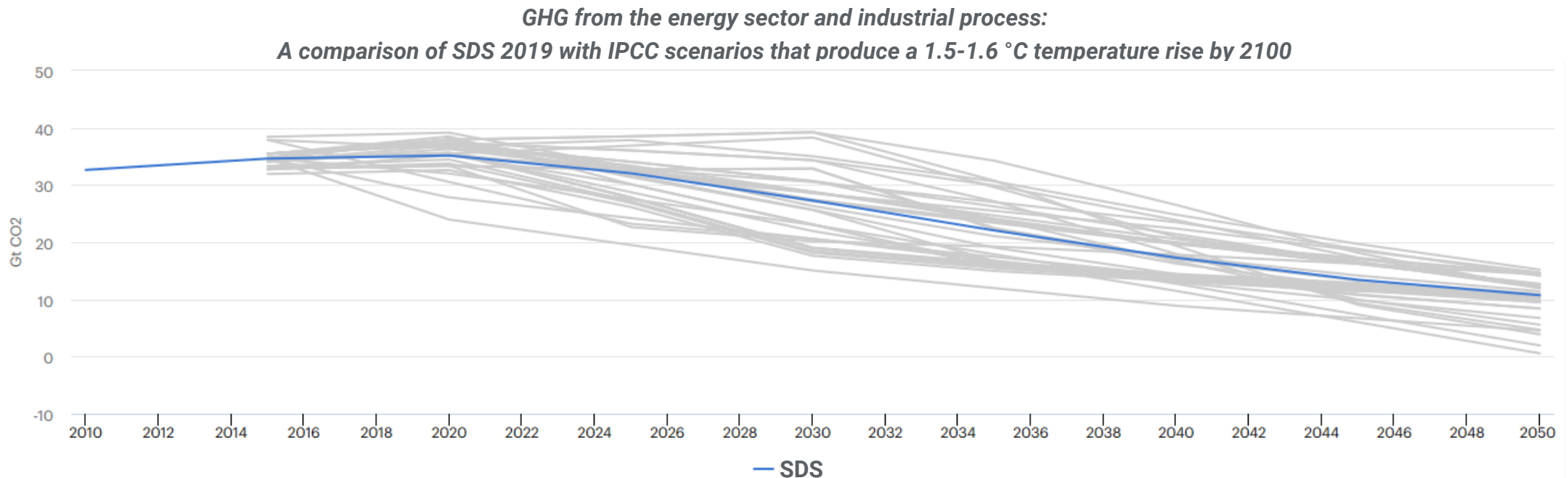


**Aluminum**

# Understanding Transition

## How to achieve the climate goals under the Paris Agreement

- » The Paris Agreement sets out a global framework to limit global warming to below 2°C and to pursue efforts to limit it to 1.5°C
- » This will require that the global economy transition to net-zero carbon emissions around mid-century
- » Sustainalytics' Transition Taxonomy relies primarily on the International Energy Agency's Sustainable Development Scenario (SDS), which has developed pathways which are compatible with the aims of the Paris Agreement





# Sustainalytics' Approach

# | Defining Transition

- » ***Transition is the decarbonization of economic activity – often incremental – along a pathway that is plausibly consistent with the economy-level goal of net-zero carbon by 2050***
  - » This definition can apply to areas other than carbon, but our current focus is on decarbonization without compromising other environmental goals.
- » While overarching climate goals are defined at the level of the economy, when it comes to use-of-proceeds debt instruments, ***eligibility is defined at the level of activities***
- » ***Companies/issuers and their transition strategies are critical*** to the transition of activities

# Principles for Transition Eligibility

1. Transition finance may be appropriate for activities that:
  - » Are inherently carbon-intensive
  - » Face major barriers to decarbonization (are “hard to abate”)
2. Eligibility should be anchored in *credible/plausible decarbonization pathways*
3. Eligibility should be based on a systems approach
4. Transition uses of proceeds should follow the most *direct path toward decarbonization available*
5. Technology sometimes matters
6. A transition taxonomy and approach should be dynamic and evolving



# Sustainalytics' Approach to Assessing Transition Bond Frameworks

Evaluating the alignment and credibility of a transition bond framework requires an assessment of both *issuance-level considerations* and *issuer-level considerations*.

## ISSUANCE-LEVEL CONSIDERATIONS

- a) Use of proceeds: Alignment of financed business activities and projects with Sustainalytics' transition eligibility criteria
- b) Project evaluation and selection
- c) Management of proceeds
- d) Allocation and impact reporting

## ISSUER-LEVEL CONSIDERATIONS

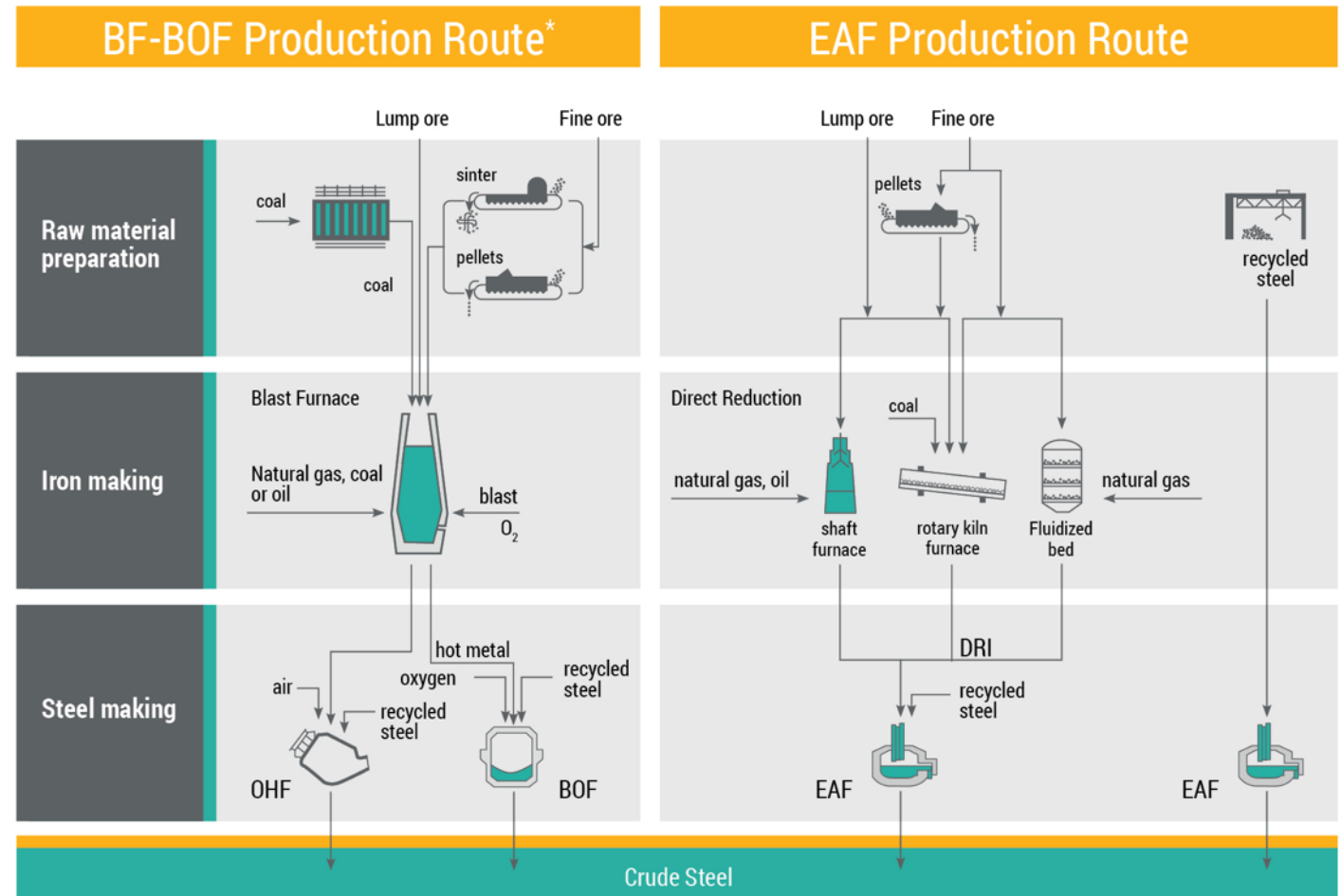
- a) Alignment of the issuer's transition strategy and commitments with internationally established decarbonization pathways
- b) Alignment of the use of proceeds with the issuer's strategy and implementation plan



# Steel Production

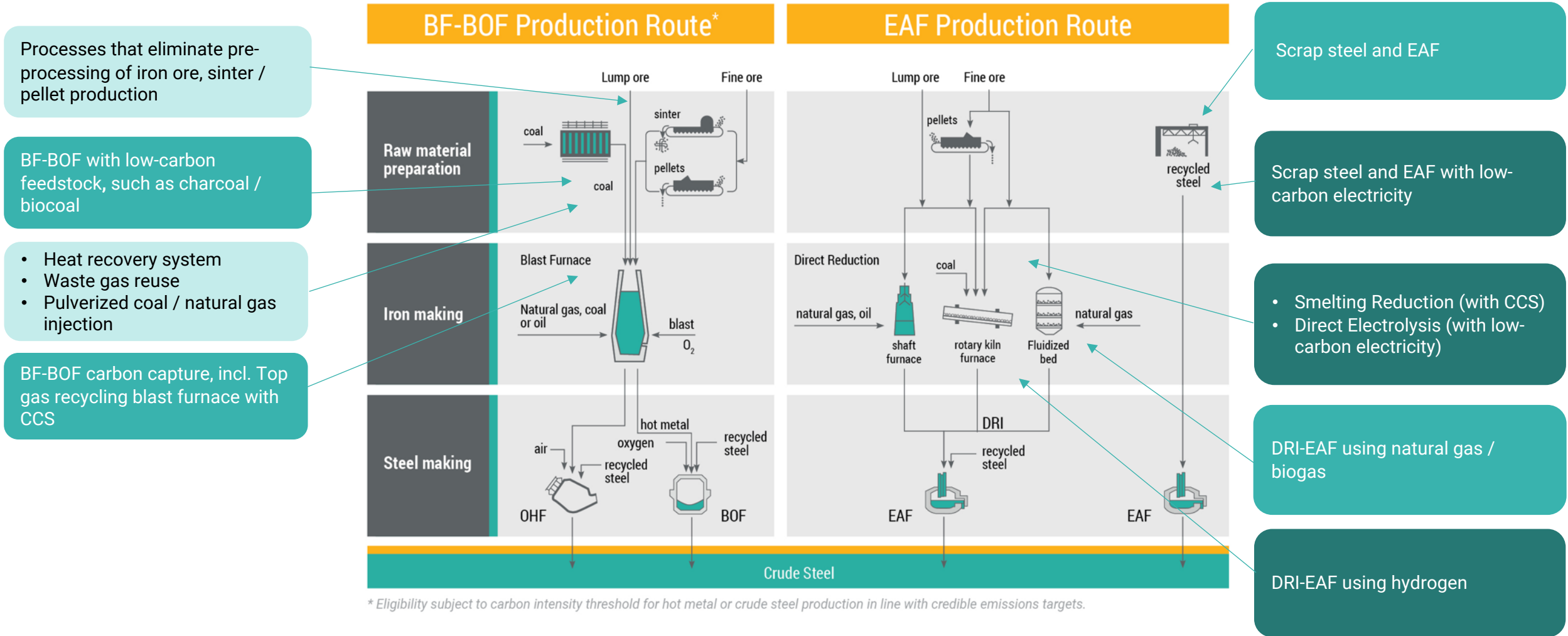
# The Challenge of Decarbonizing Steel Production

- » There are two major production routes:
  - » Blast Furnace-Basic Oxygen Furnace (BF-BOF)
  - » Electric Arc Furnace (EAF)
- » Most steel is produced through BF-BOF (~72%), and many carbon-free technologies are not yet available at scale.
- » Key opportunities to decarbonize steel production:
  - » Energy efficiency
  - » Materials efficiency
  - » Low-carbon solutions (some of which have potential to achieve near-zero emissions)



\* Eligibility subject to carbon intensity threshold for hot metal or crude steel production in line with credible emissions targets.

# Steel: Potential Uses of Proceeds



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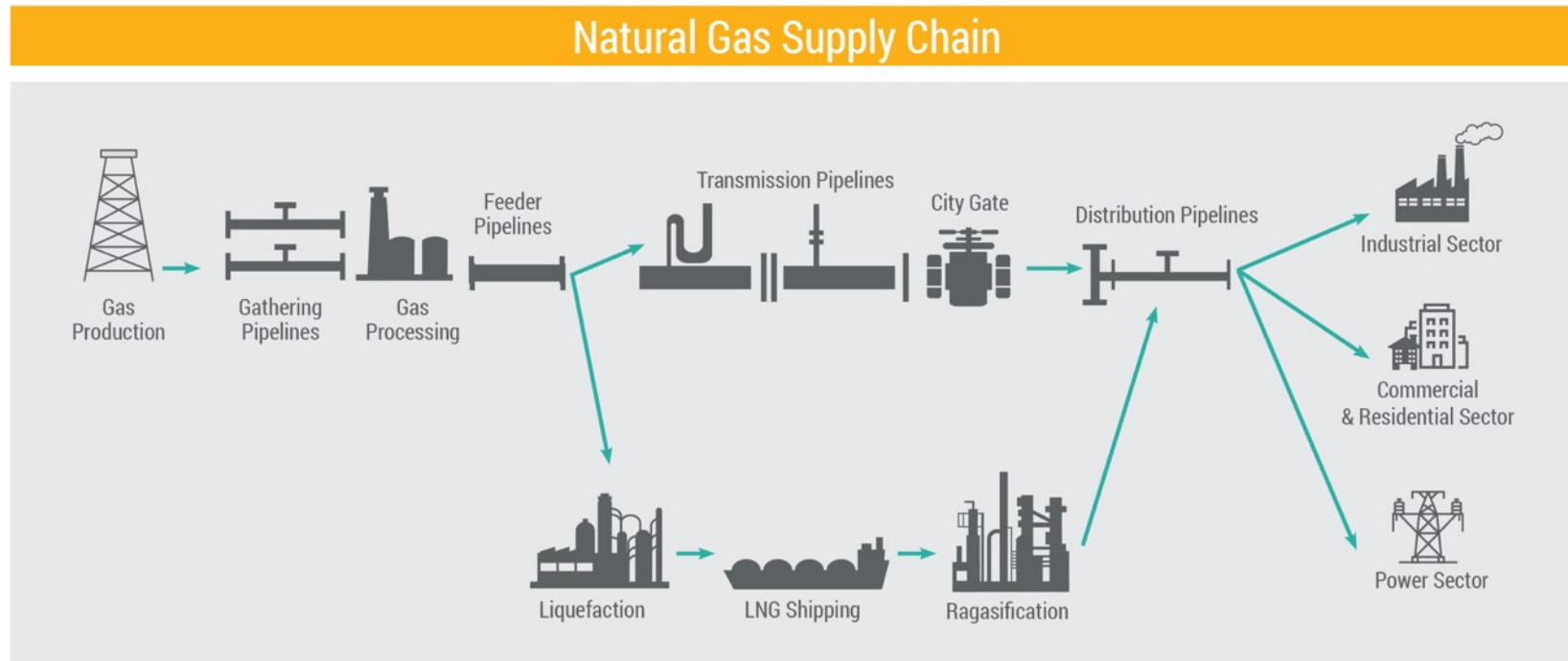




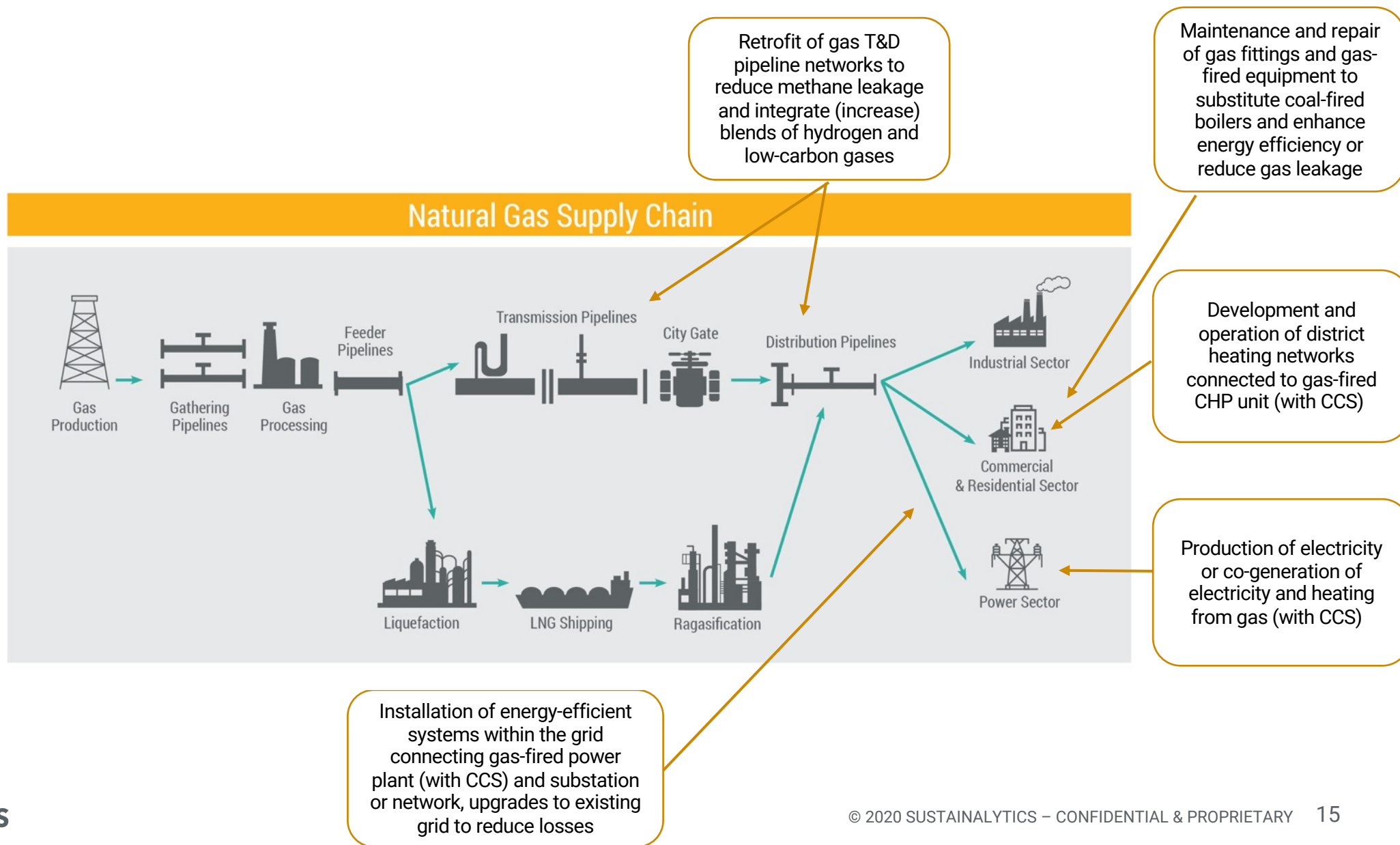
# Natural Gas

# The Role of Natural Gas in the Energy Transition

- » Natural gas has the lower direct emissions compared to higher-polluting (fossil fuel) sources, such as coal.
- » It can support the integration or expansion of (variable) renewable energy.
- » Natural gas infrastructure holds the potential to be 'repurposed' for zero- or low-carbon fuels.



## Natural Gas: Potential Uses of Proceeds





# Q&A



For more information, please contact:

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## **Sustainable Finance Solutions**

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