



Establishing Supply Routes for SAF

ISCC stakeholder meeting Dec 3rd 2020

Air bp, Juergen Kuper



Our ambition

To become a

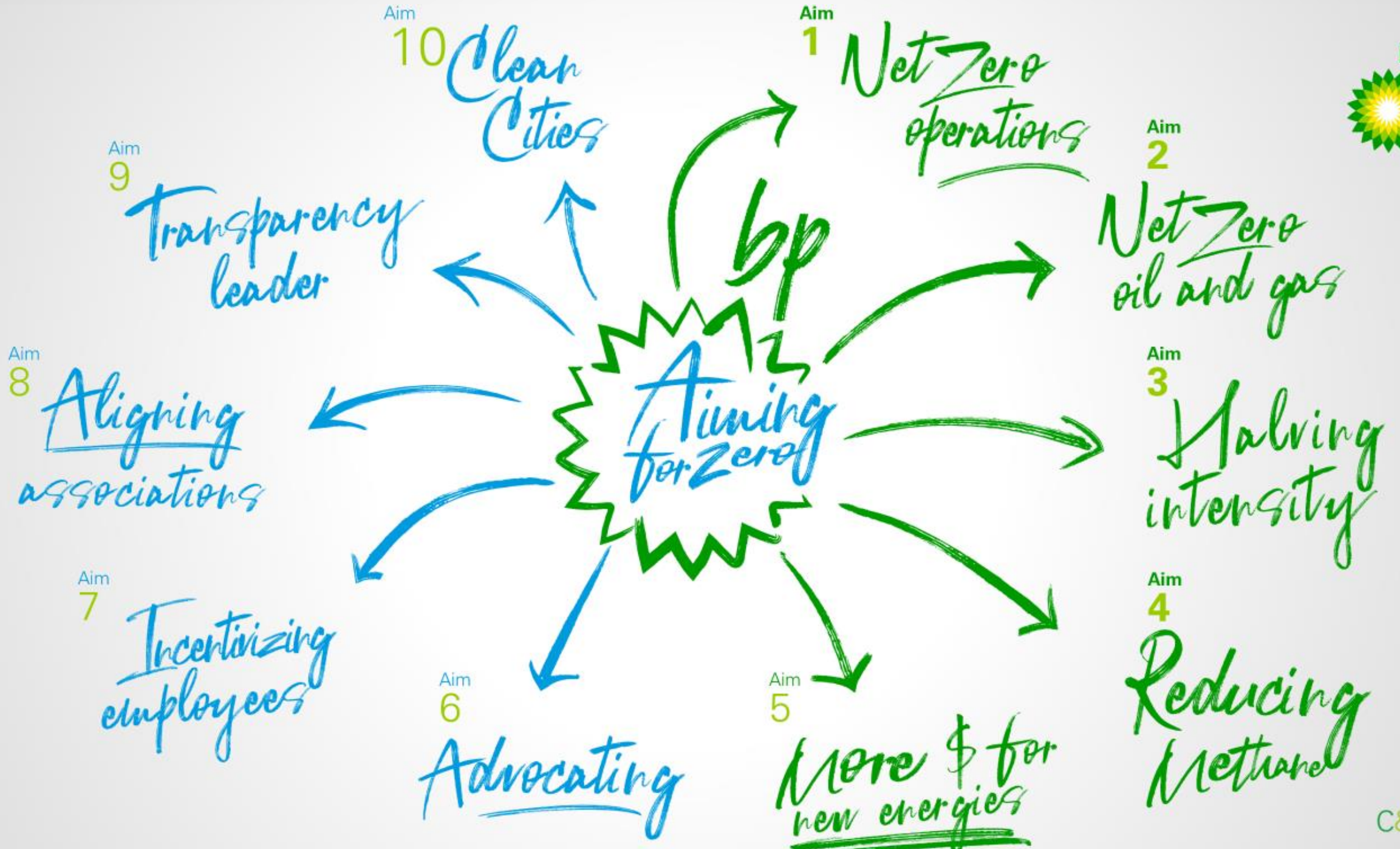
Net Zero
company

by 2050 or sooner and to help
the world reach that goal



from IOC to IEC





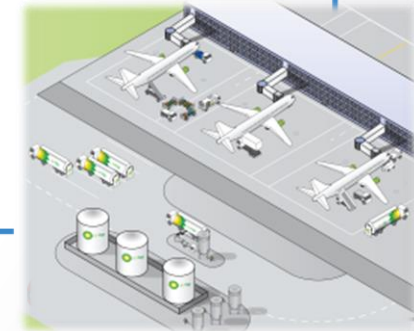
Reducing, Improving, Creating

Along the entire logistics chain



bp Target Neutral

Global programme, carbon offsetting solutions for Air bp solus locations. Component of a comprehensive corporate CO₂ management strategy



Energy and carbon emission reduction projects and initiatives onsite:

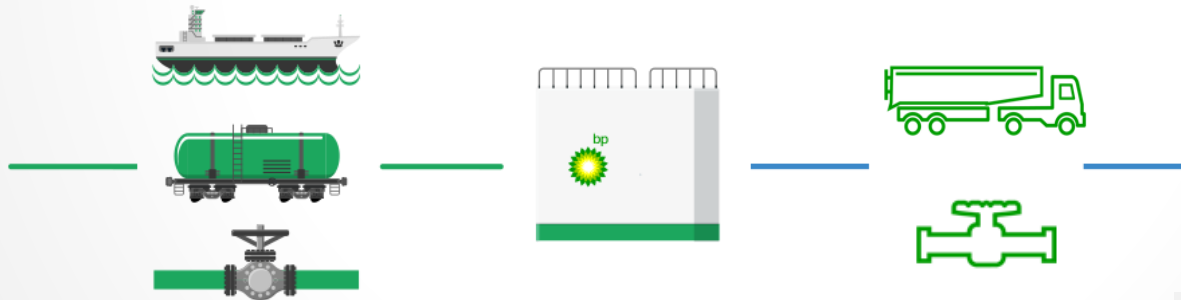
- Product vapour recovery during supply
- Start-stop system on vehicles
- Electric engines and pumps
- Solar energy solutions



Many of our feedstock and product transports are by pipeline, the safest and most energy-efficient transport method

Waterways and rail, on which larger quantities can be transported, protect both material and the environment.

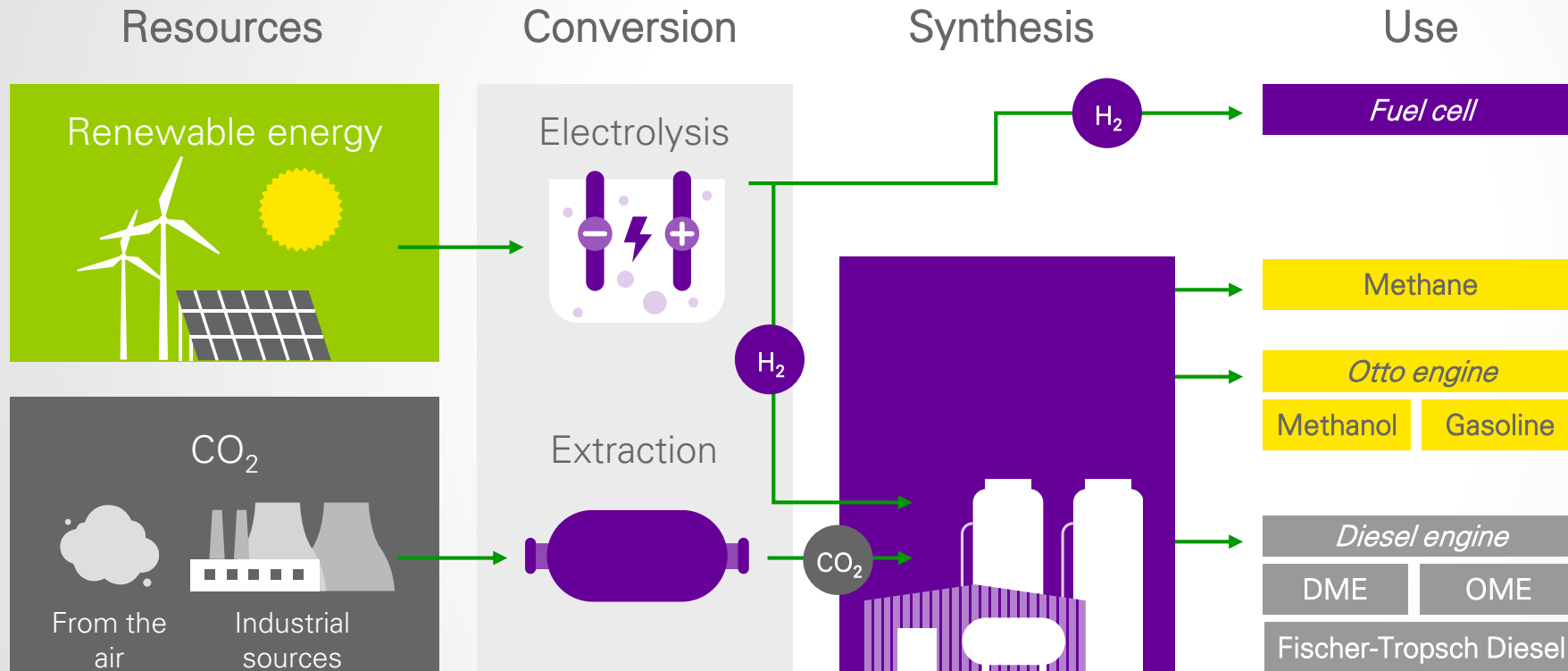
Air bp procured rail transportation using 100% green energy



Use of digital technology for efficient and environmentally friendly logistics

Synthetic fuels

Eagerly awaited, but when will they become reality?



E-fuels are needed in the long run for climate neutrality, especially for the aviation and petrochemicals sectors



E-fuels in principle are available in unlimited quantities and can be **completely climate-neutral** when used in combination with renewable electricity



There are no large-scale plants as yet; studies estimate production costs at

5 – 7x fossil equivalent in 2020 and

2 - 3x in 2050

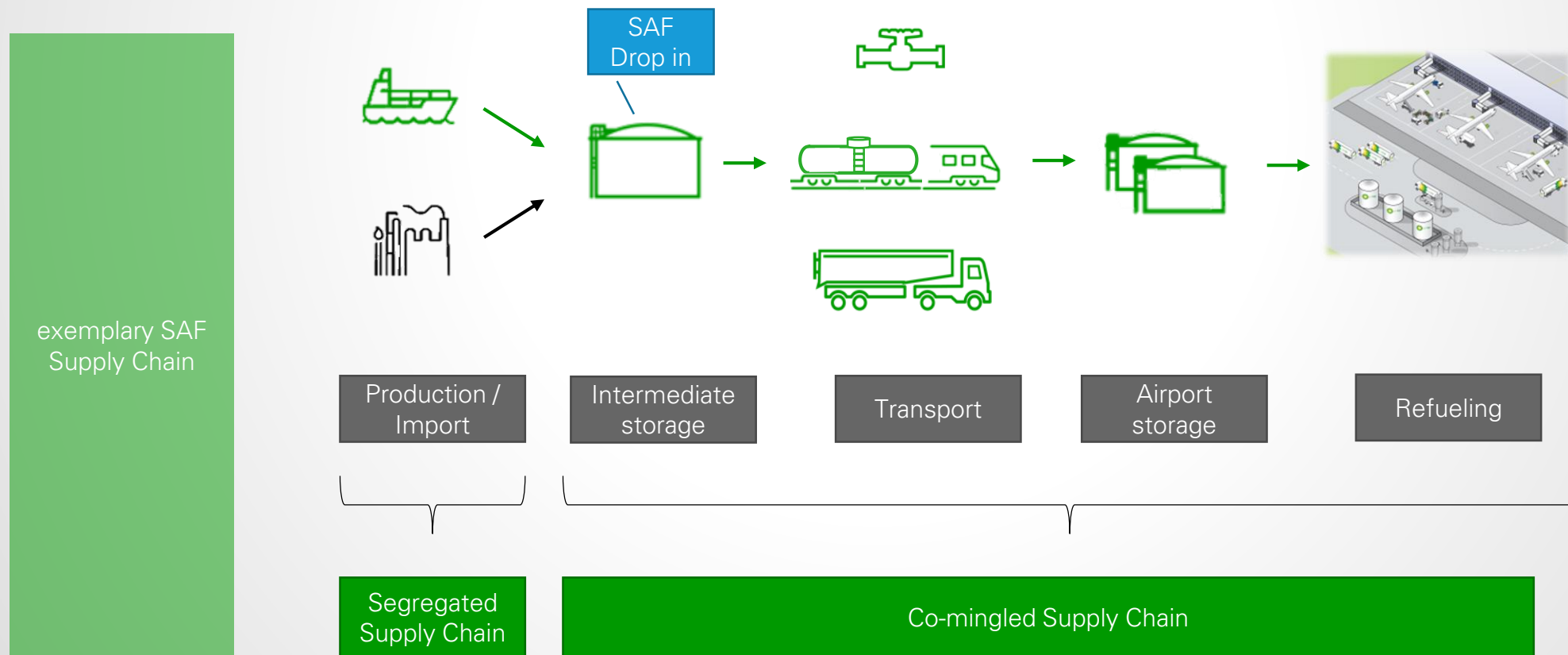
Lingen Green Hydrogen



Integration of SAF into the Jet A-1 Supply Chain



- Goal for integration is to minimize additional cost and CO₂ emissions
- Early injection of SAF into the supply chain enables distribution to multiple customers at several locations. The existing supply routes and infrastructure can be used and the SAF benefits from economy of scale from the very first beginning



Book and Claim Proposal



Air bp delivers SAF ('Books')



Air bp delivers SAF to "location A"

SAF is co-mingled in airport storage tanks. Air bp re-brands SAF as regular Jet A-1, before selling (as regular Jet A-1) to customers lifting at "location A".

"location A" 

"customer X" pays for ('Claims') SAF



"customer X" purchases regular Jet A-1 at "location B"

Air bp charges "customer X" for SAF at "location B" under the book & claim methodology

 "location B"

Book and Claim Proposal



Air bp delivers SAF ('Books')

"customer X" pays for ('Claims') SAF

Air bp issues 'book-and-claim' documentation to "customer X"

Air bp writes off ISCC certification of the SAF product at this location. Stripping any sustainable credentials from the product before it is sold as regular Jet A-1



"location A"



"location B"

Conclusion

3 key messages



- The exemplary shown and already existing supply chain is what we hope will become the standard one (in order to avoid segregated SAF logistics in smaller, higher energy consuming lots).
- However, a lot of customers don't accept this yet, and request segregated supply chains for SAF.
- B&C – “book and claim” is a concept being requested by some General Aviation customers who have a highly distributed demand.

Thanks a lot for listening!

