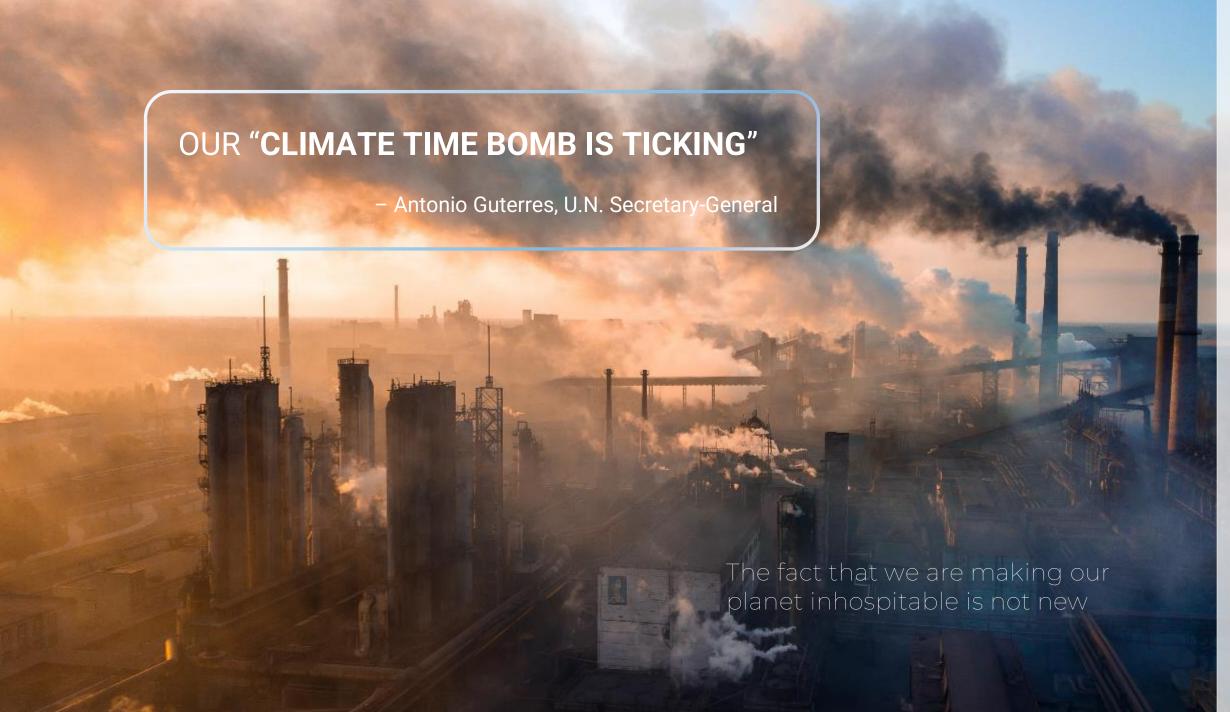


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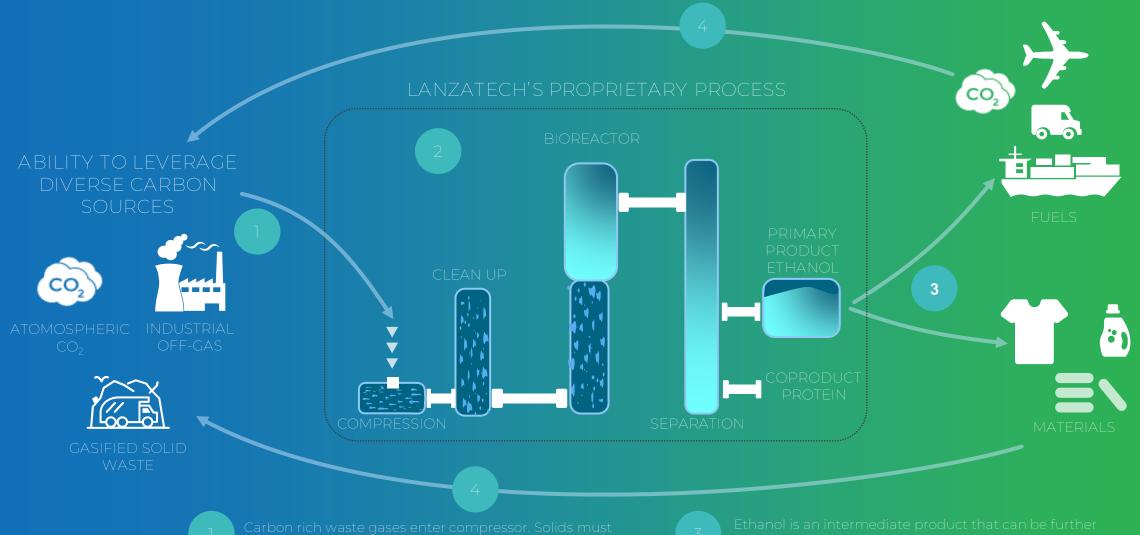








A NOVEL CIRCULAR SOLUTION, RECYCLING WASTE CARBON INTO VALUABLE PRODUCTS



- first be gasified.
- LanzaTech Process occurs within proprietary bioreactor; microbe consumes carbon in gas and produces ethanol and protein coproduct
- Ethanol is an intermediate product that can be further upgraded and converted into high value sustainable materials and fuels
- Circularity-enabled with solid waste carbon gasified and emitted carbon captured and returned to the process.

GLOBALLY LICENSED & COMMERCIALLY OPERATIONAL TODAY













Project/Partner	Carbon Source	Actual or Anticipated Start Date	Ethanol Production Volume (tons/year)	CO ₂ Abated (tons/year)	Location
IndianOil	Refinery Off Gas	3Q 2023	33,500	~60,000	India
ArcelorMittal	Steel Off Gas	4Q 2023	64,000	~125,000	Belgium

Total of 6 commercial-scale gas fermentation facilities expected to be online by end of 2023 with cumulative nameplate capacity of +300,000 tons per year

PROJECTS IN OPERATION, CONSTRUCTION & ENGINEERING (C) Arcelor/Mittal Shoulang Jiyuan SUNCOR Shougang LanzaTech AM Gent/Steelanol 60 KTA 46 KTA Project DRAGON Next Chem SGLT#4 60 KTA Lanzajet > SEKISUI 🔯 2024 Sekisui 1/10th SED Late-Stage Construction or

ANTICIPATED ANNUAL ABATEMENT ONCE THREE ADDITIONAL FACILITIES ARE OPERATIONAL

300,000 tons EtOH

ANTICIPATED ANNUAL PRODUCTION ONCE THREE ADDITIONAL FACILITIES ARE OPERATIONAL

PRODUCTS MADE FROM CARBON EMISSIONS

DEMAND FOR SUSTAINABLE FOR ADDITIONAL LICENSED PLANTS

LanzaTech



TEXTILES

SHOE SOLES



CLEANING PRODUCTS



FRAGRANCES



DETERGENTS



CONTAINERS



the chemical building block (ethanol) for this CarbonSmart™ product portfolio















WASTE CARBON







ETHANOL









Winner







VOGUE

BEAUTY

Why Gucci's latest fragrance is made from recycled carbon

The Italian luxury house's new perfume, Where My Heart Beats, is Coty's first globally distributed fragrance manufactured using 100 per cent carbon-captured alcohol. *Vogue Business* has the exclusive.

BY KATI CHITRAKORN April 3, 2023

! [

As carbon recycling becomes a bigger focus in beauty, LanzaTech has emerged as the partner of choice.

Migros launches recycled carbon derived consumer cleaning products







LanzaTech

Forbes

Swiss Footwear Brand Develops A Running Shoe Made From Carbon Emissions





##MOVE X LanzaTech

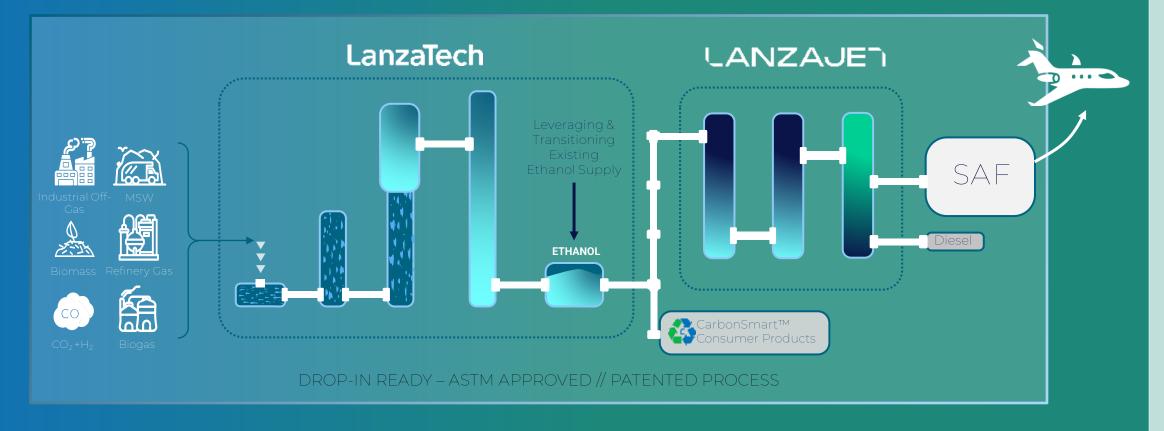








DOWNSTREAM FLEXIBILITY TO INTEGRATE WITH LANZAJET'S SAF PLATFORM















**** make it**

Richard Branson's Virgin Atlantic set to fly a 747 jet with fuel made from factory pollution



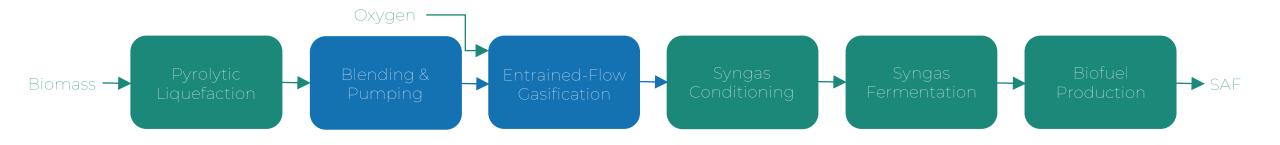
LANZAJE



The 10MGPY Sustainable Aviation Fuel project – the LanzaJet Freedom Pines Fuels Project – remains on schedule to reach mechanical completion by end of 2023 and commence operations in early 2024

-anzaTech

DOE PROJECT: D-FLOW BIOMASS GASIFICATION WITH SYNGAS FERMENTATION FOR PRO





R&D/pilot scale gasification Fuel analysis

1 tpd pressurized O2-blown EFG system



Biomass liquefaction (RTP)

Py oil production



Instrument development ATJ process development Techno-Economic Analysis Life cycle analysis

SAF production Modeling



Gas fermentation (GTL)



Gasification development Hot Oxygen Burner (HOB)

Ethanol and SAE production using LanzaJet™ ATJ Process

Modeling Equipment fabrication

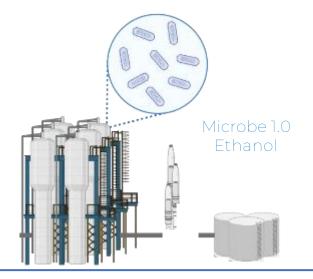
nzaTe

WHERE WE'RE HEADED: DIRECT PRODUCTION OF BULK MMODITY CHEMICALS ON A DIST





Existing Commercial Plants











"Software"

Microbe 3.0 Acetone



Microbe 4.0 MEG



Microbe

- - Same reactor ✓ Same feedstock
- ✓ Same process



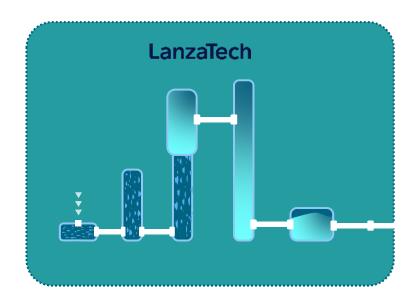
New product development and direct production of high value chemicals expands TAM and increases demand for Biorefining CCT licensing

Images generated with Biorender.com.

THE NEW CARBON ECONOMY IS DISTRIBUTED AND CIRCULAR

























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Nasdag: LNZA

RECYCLE CARBON WITH BIOLOGY