



# LanzaTech

## LanzaTech Overview

### Dr. Laurel Harmon, V.P. Government Relations

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# Company Profile

## Corporate Headquarters and R&D in Chicago, USA

- Founded in New Zealand
- Operations and Business offices in China and India
- Freedom Pines Biorefinery in Georgia, USA
- CEO: Dr. Jennifer Holmgren
- CSO, Founder: Dr. Sean Simpson

## Over 125 staff

- Synthetic Biology, Fermentation
- Analytical, Process Validation
- Engineering

## IP Portfolio

- ~400 pending applications and
- ~400 granted patents

## Funding

4 rounds: \$250 M

khosla ventures



WTI

MLS  
Capital



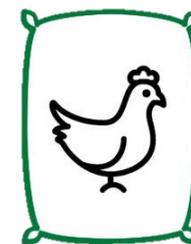
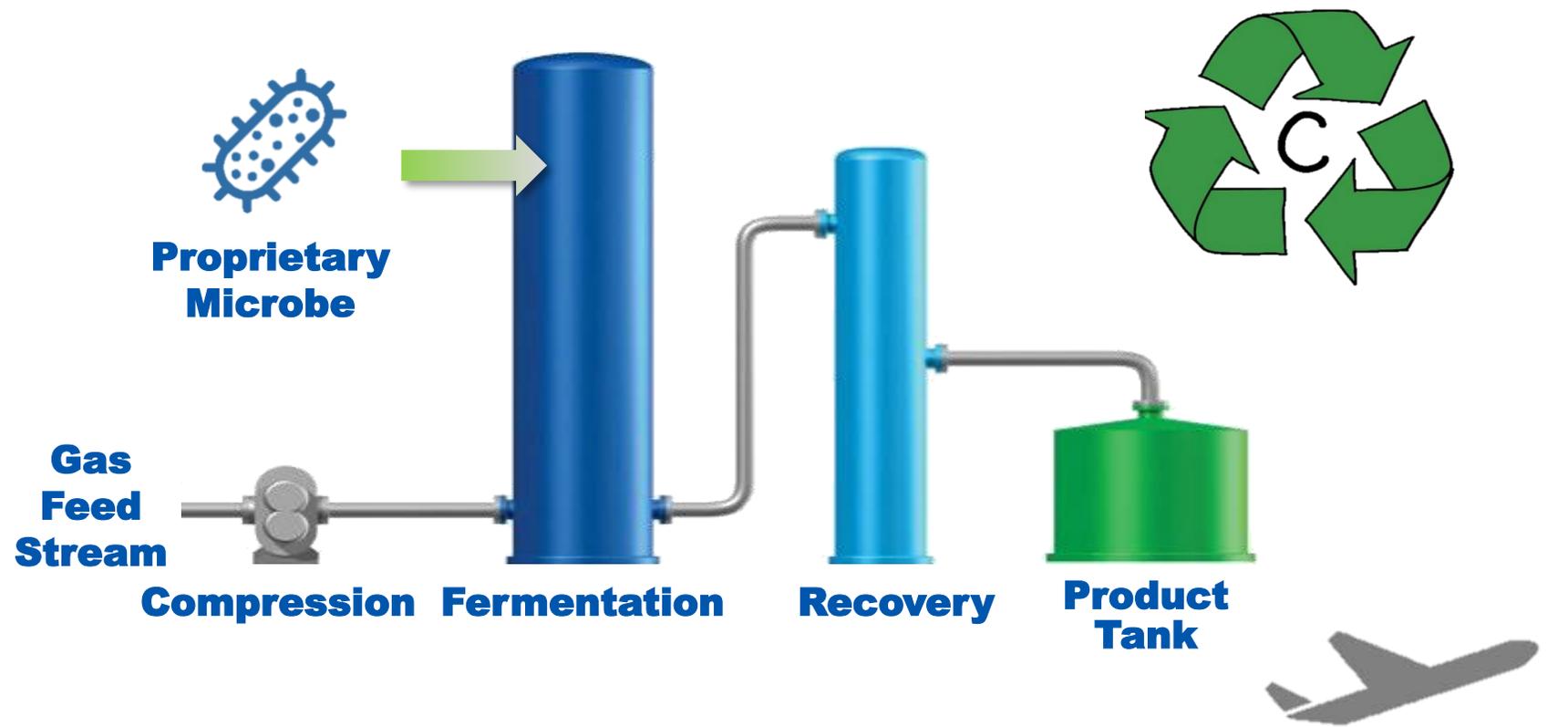
SIEMENS



# Recycling Carbon



**Industrial Off Gas  
Biomass, MSW Syngas**



# It takes Time....It takes Data



*Multiple Demo plants  
at various scales;  
70,000 operating hours*

# LanzaTech

CELEBRATING  
**13** YEARS

Strain  
Development



Lab



Pilot



Demo

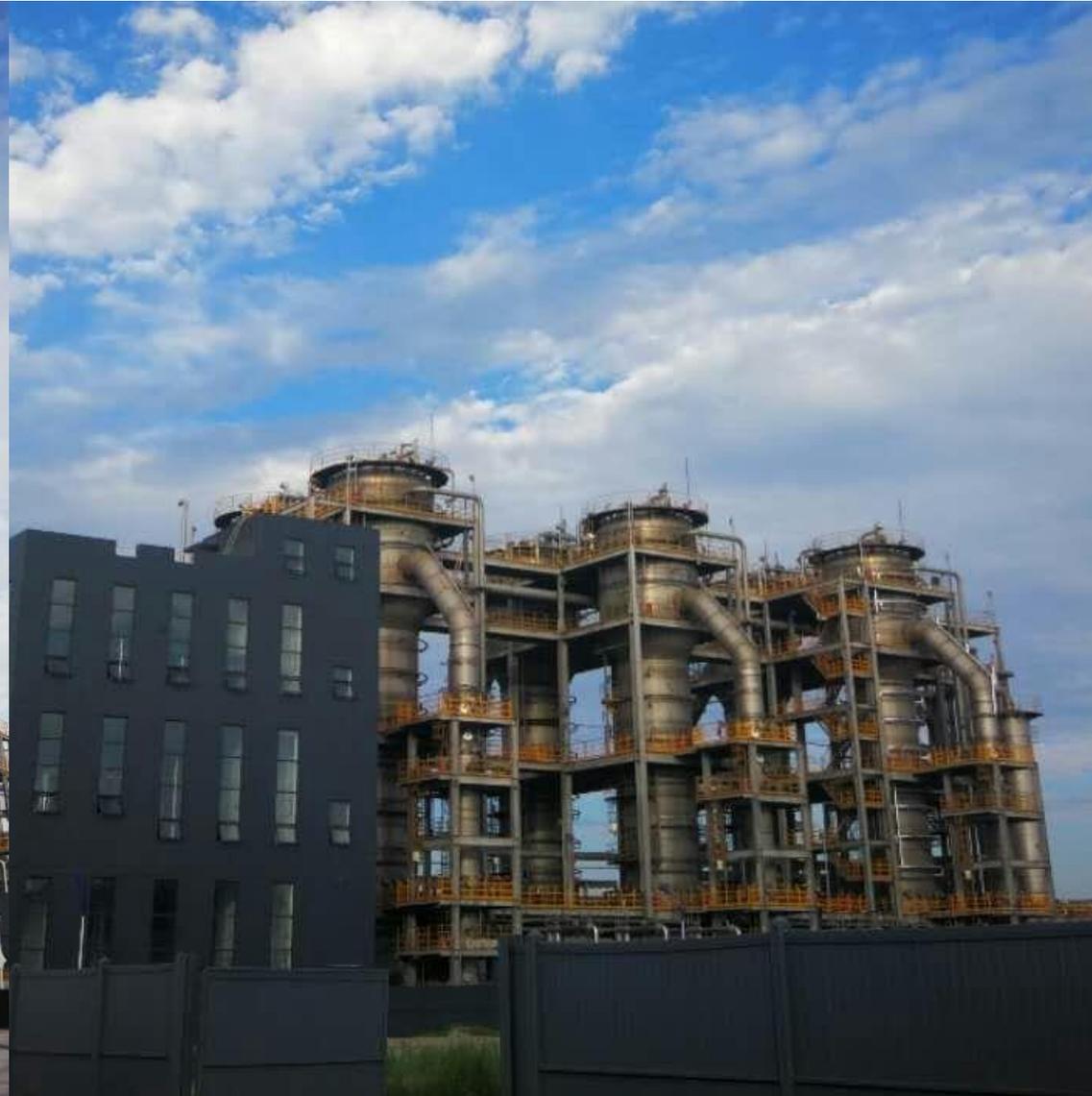


Commercial

# Shougang Commercial Plant



首钢朗泽  
Shougang LanzaTech



# Flying on Recycled Carbon: Jet from Steel Mill Emissions



*Virgin Atlantic VS16  
October 2, 2018  
Orlando to London Gatwick*



**PNNL and LanzaTech team to make new jet fuel**  
Virgin Atlantic to fly first commercial flight on recycled waste gas

U.S. DEPARTMENT OF  
**ENERGY** | Energy Efficiency &  
Renewable Energy  
BIOENERGY TECHNOLOGIES OFFICE

Carbon Smart™

Technology developed with support of BETO under DE-EE0005356 and direct support to PNNL



NWF International (@NWF\_Intl)

10/3/18, 14:32

NWF hopes this landmark flight sends a signal to the biofuels and aviation industries that the Virgin/LanzaTech project represents the future for alternative fuels. [twitter.com/VirginAtlantic...](https://twitter.com/VirginAtlantic...)

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