



LanzaX

Dedicated Strain Innovation

Accelerating the path to scale and commercialization of globally sought-after synthetic biology strains

LanzaTech

Nasdaq: LNZA

+

 **Tharsis Capital**

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LanzaX A Commercial Launchpad for Sustainable Chemical Production



LanzaTech intends to spin out its synthetic biology and strain engineering platform into a growth-oriented joint venture to access capital needed to accelerate its existing development pipeline of projects, including acetone, isopropanol, and high-value specialty products

LanzaX Joint Venture

50%

LanzaTech

LanzaTech contributes license to synthetic biology and strain engineering (synbio) related intellectual property (IP), staff, and capabilities and a roster of joint development agreements and contract research projects

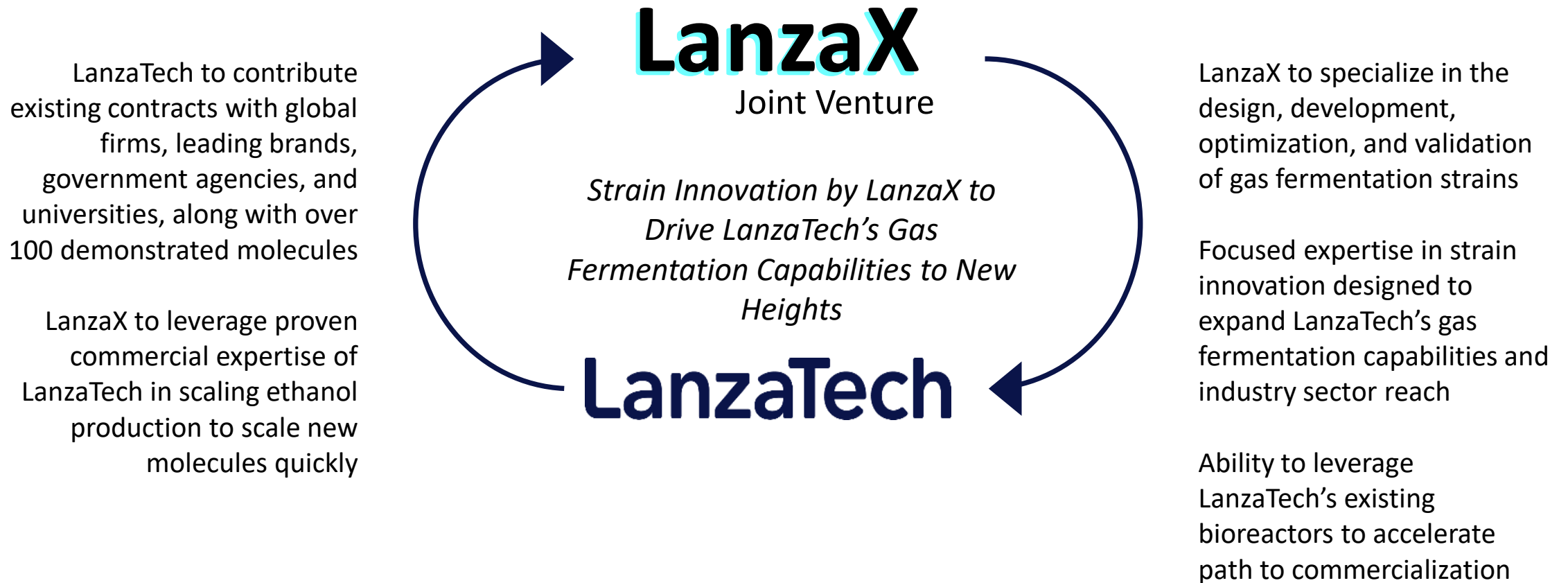
50%

Tharsis Capital *and other shareholders*

Tharsis Capital and other shareholders to contribute cash sufficient for the joint venture to reach profitability; Tharsis Capital brings deep experience in chemicals and sustainable technology sectors and will be a valued collaborative partner

LanzaX Symbiotic Relationship with LanzaTech

LanzaX is designed to take the reins on existing and future research and development projects, enabling LanzaTech to focus on high-impact commercial growth priorities of its core biorefining platform, including increasing opportunities in sustainable aviation fuel production (SAF)

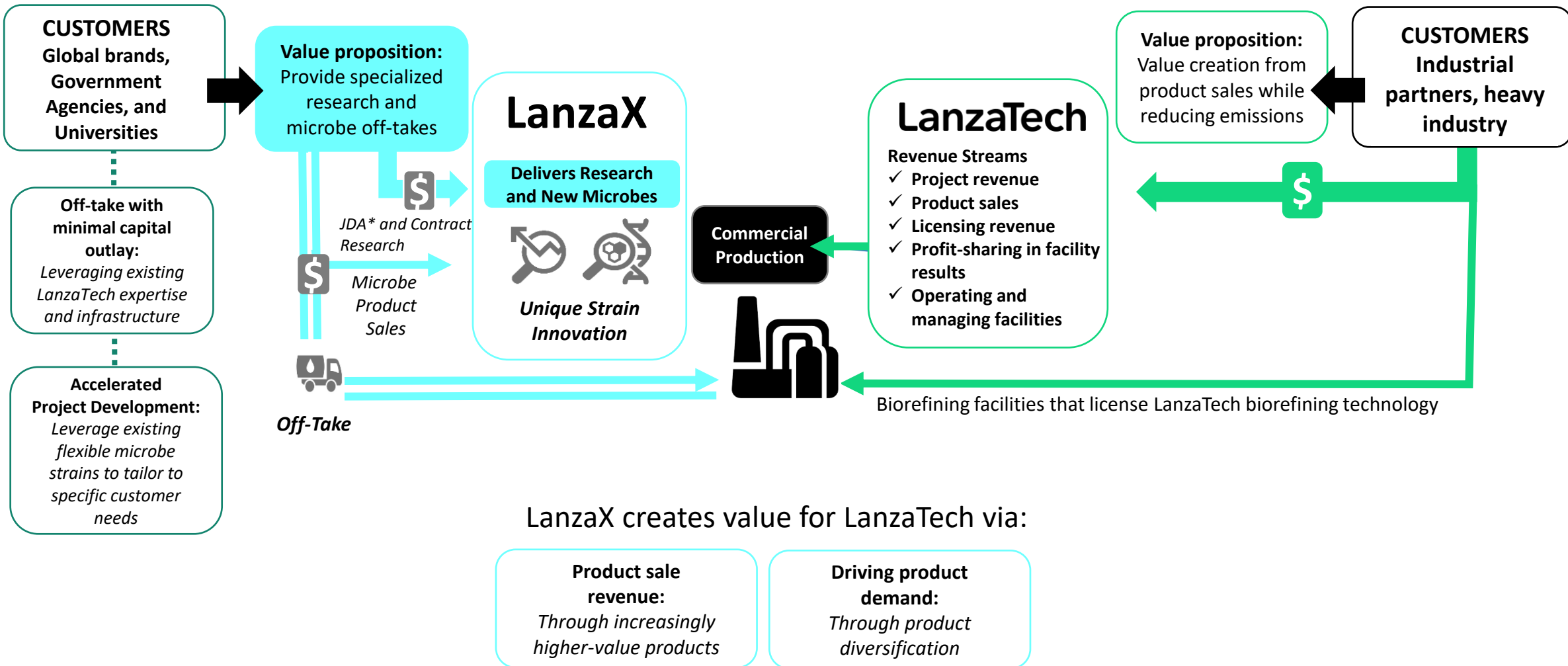


LanzaX Compelling Total Addressable Market Spanning Multiple Verticals

LanzaX has the potential to be a transformational biomanufacturing platform that leverages dedicated capital and a team with deep expertise to fast track the development of an existing portfolio of near-commercial molecules in biochemicals, biomaterials, and a broad range of chemical specialties, that access numerous sizable industries looking for the types of strain innovation LanzaX offers



LanzaX Revenue Model – Driving Profitable Growth


















*JDA- Joint Development Agreements

LanzaX Competitive Edge

Uniquely Positioned Over Competitors

Most advanced synthetic biology platform for C1 microbes and partnership with LanzaTech provides powerful path to scale

Capabilities:	Service Model	Organism Portfolio	Biofoundry	Gas Handling	Scale Up
LanzaX	Yes	 C1 Microbes	Yes	Yes	Proven path to commercial scale through LanzaTech
Organism Companies, e.g.    	Yes	 Sugar Microbes Fungi	Yes	No	No dedicated internal scale-up
Biomanufacturing Companies, e.g.    	No	 Sugar Microbes Fungi	Yes	No	Yes
Gas Fermentation Companies, e.g.    	No	 C1 Microbes	No	Yes	No

LanzaX Capabilities

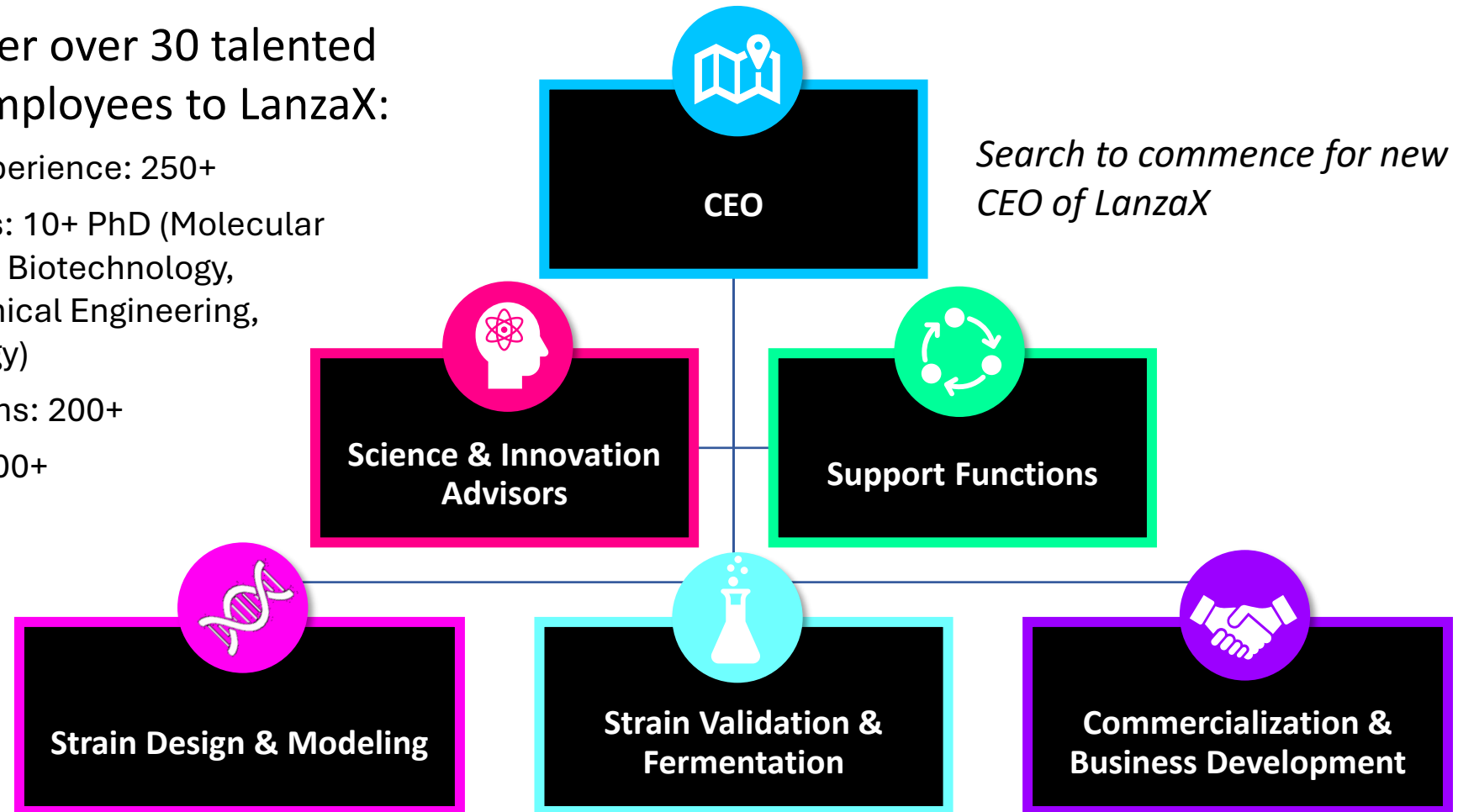
- ✓ Leading synthetic biology platform for C1 microbes
- ✓ State-of-the-art strain modeling, AI, and synthetic biology capabilities across full design-build-test-learn cycle
- ✓ Building on 15+ years of genetic tool development and optimization of continuous, gas fermentation organisms
- ✓ World-first biofoundry for automated strain engineering of gas fermentation organisms
- ✓ Comprehensive gas fermentation knowledge base



LanzaX Team

- LanzaTech to transfer over 30 talented and experienced employees to LanzaX:

- Aggregate years of experience: 250+
- Number of doctorates: 10+ PhD (Molecular Biology, Microbiology, Biotechnology, Bioengineering, Chemical Engineering, Computational Biology)
- Number of publications: 200+
- Number of patents: 600+



Projected annual cost reduction of ~\$8 million to LanzaTech, primarily driven by employee transfer to LanzaX



LanzaTech

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