

Calyxt has a unique opportunity to **revolutionize how the world uses plants**. The Company focuses on innovating where finite resources and the sustainability of our planet intersect.

Today's global economy faces **numerous sustainability challenges**, as evidenced by carbon pollution, water scarcity and soil erosion. Shareholders, consumers and other stakeholders are demanding that companies produce products sustainably. **Plant-derived compounds and ingredients represent a differentiated and more sustainable* alternative to many products and materials in use today.**

20%+



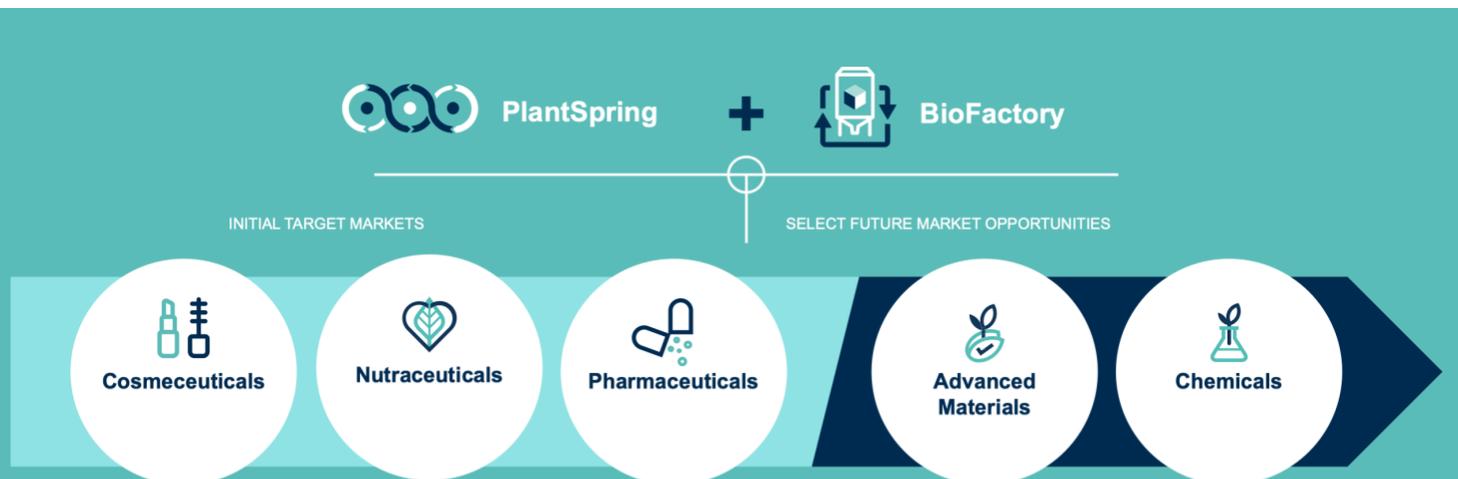
of the world's 2,000 largest public companies **have committed to carbon-neutrality¹**

1. Source: "Taking Stock: A global assessment of net zero targets", Energy & Climate Intelligence Unit, March 2021

To help meet this sustainability challenge, in October 2021, Calyxt announced a new strategic direction to provide sustainable, plant-based synthetic biology (SynBio) solutions to an expanded group of end markets and diversified base of customers, marking a shift from a traditional agricultural-focused business model.

Many corporations and consumers are **shifting their focus** to products that are **sustainable** and contain environmentally-friendly **plant-based chemistries**. Calyxt believes that, through its **proprietary PlantSpring technology** platform and **BioFactory** production system, it is **distinctively qualified** to meet this demand.

Calyxt targets the cosmeceutical, nutraceutical and pharmaceutical markets and manufacturers of advanced materials and chemicals, **offering a platform and the know-how** to produce plant-based compounds, in order to enable a **more sustainable supply of compounds** for use in myriad products and manufacturing processes, and to help manufacturers meet their sustainability goals.



Large end markets with customers that have **current business needs** to source finite plant-based chemistries, are known to be **fast adopters of innovation**, and are actively **seeking to reduce carbon footprints**

Central to Calyxt's offering is the integration of the Company's proprietary technology platform, **PlantSpring™**, with its **artificial intelligence and machine learning (AIML) capabilities** and **BioFactory™ production system**:



Calyxt's technology platform, PlantSpring, is founded on the Company's more than a decade of experience engineering plant metabolism, and incorporates its scientific knowledge, its proprietary systems, tools, and technologies; and an expanding set of AIML capabilities. In PlantSpring, the Company identifies metabolic pathways to produce plant-based chemistries, designs strategies to reprogram host cells, engineers plant cell metabolism to optimally produce targeted compounds, and produces those targeted compounds at laboratory scale.

The Company uses AIML capabilities for the identification of targets for editing specific genetic pathways and continues to develop AIML capabilities across the PlantSpring platform, which will enable learning and adaptation of knowledge gained from past activity and are expected to be combined with predictive analytics to rapidly prototype and provide feedback, accelerate the time to complete the development cycle and help mitigate the risk associated with commercial scale-up.

Output from PlantSpring integrates with the BioFactory, a bioreactor-based production system capable of continuous production of plant-based chemistries. The BioFactory leverages multiple cell types in a matrixed structure that enables the processing of plant-based chemistries of increased complexity relative to those possible using single cell plant culture methods. Calyxt believes that its production system is capable of unlocking the power of plants to produce compounds that are finite, difficult to source sustainably, and that may not be able to be produced using other production methods.

About Calyxt

Calyxt (Nasdaq: CLXT) is a plant-based synthetic biology company. The Company leverages its proprietary PlantSpring™ technology platform to engineer plant metabolism to produce innovative high value plant-based chemistries for use in customers' materials and products. As plant-based solutions, the Company's synthetic biology products can be used in helping customers meet their sustainability targets and financial goals. Calyxt's diversified offerings are primarily delivered through its proprietary BioFactory™ production system. For more information, visit www.calyxt.com.

PLANTSPRING, BIOFACTORY, PLANT CELL MATRIX™, AND THE CALYXT LOGO ARE TRADEMARKS OF CALYXT, INC. ANY OTHER TRADEMARKS BELONG TO THEIR RESPECTIVE OWNERS.

* In the context of the Company's PlantSpring technology platform and BioFactory production system, the term "sustainable", as used in this fact sheet, refers to the plant-based chemistry production methods that use plant biomass as a raw material and are therefore renewable and do not completely use up or destroy natural resources.

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