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21st.BIO unveils a new pilot plant facility to accelerate impact of biotech innovations globally

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21st.BIO unveiled a new pilot plant facility in its Danish headquarters, designed to support companies upscale theirÂ bioproduction.Â Â 21st.BIO provides services ranging from strain construction to industrial production upscaling to customers worldwide. Combining world-class industrially proven technology with fermentation capacity, the company will help customers get to scale faster, in a risk-mitigated and cost-effective way.Â

21st.BIO offers this pilot facility to the market to facilitate and accelerate the step between internal lab-scale fermentation and large-scale production. 21st.BIO's pilot construction and deep experience are ideal to define the important parameters and equipment needed for optimal large-scale production of proteins via fermentation. This will, on top of the best fermentation protocols, for example also help customers select the best CMO for individual project needs and limit the risk of costly failures.

21st.BIO's pilot facility is designed for industrial production upscaling

The facility and all processing equipment are state-of-the-art, with much equipment designed for 21st.BIO.Â Â With over 3000 liters of fermentation capacity, the facility offers a full range of capabilities, equipment, and competences to help customers optimize their own specific processes. The pilot plant is focused on scaling up the production of recombinant proteins and

peptides with applications in nutrition, food and beverages, agriculture, biomaterials, and biopharma.Â Â

The pilot plant is designed to enable strong collaboration between 21st.BIO and customer teams during scaling. The facility is strategically located in the same building as the company's strain development laboratories, allowing for joint work on further improving the customers' production strains and fermentation processes.

Europe has an opportunity to bring this leading technology and know-how to benefit the world. Therefore, 21st.BIO's grand opening began with an exclusive roundtable, where twenty C-level participants from the political, financial, and industrial horizons had a lunch conversation over EU countries' leadership in the industrial scaling of biomanufacturing.

21st.BIO founders saw that too often; great bio innovations and molecules fail to translate into commercial success. The molecule innovation is ready and exciting, the market is there, but production costs most often have remained too high for the products to go mainstream and hence have real relevance for the world.

21st.BIO is now making the most advanced and most productive production technology and know-how available to innovators in industrial biotech as well as global food majors for bulk products to be produced via fermentation. The pilot facility will support customers' journey from the lab to large scale manufacturing, but the journey towards industrial biomanufacturing does not stop there. During the inauguration, senior leaders from key players of the financial, political, and industrial sectors participated in a roundtable discussion on what it will take to start building the first large-scale protein factories with all the benefits of industrial manufacturing to cost and efficiency. â?¯