Cultivated B

Bring complex biotechnology to everyday life

The Cultivated B and its subsidiaries: n!Biomachines PreFer Industries

About us & our facilities

The Cultivated B is driving the transformation of food and food ingredient manufacturing towards a sustainable future. By developing specialized bioreactors and fermenters while applying innovative technologies such as precision fermentation and molecular farming, The Cultivated B accelerates the commercialization of alternative proteins economically and at scale. The Cultivated B's comprehensive portfolio of products and services is tailored to the needs of innovative food, supplements, and advanced materials companies.

The Cultivated B works with companies to embed these sustainable technologies on local, regional and global scales, with operations in Europe and North America and a robust network of strategic partners in the Middle East, East Asia, Europe and Latin America.

GROWTH ROOM

Our 7,500 sqft inhouse growth room supports our molecular farming services, advancing commercial production and multiple projects.

ASSEMBLY LINE

Our assembly line allows us to manufacture reactor systems, designing and prototyping relevant key parts and integrating individual needs to support various customer requirements.

BIOENGINEERING HUB

Designed to nurture innovation, 25,000 sqft wet-lab, office space, cutting-edge lab equipment, including benchtop bioreactors and soon a pilot-plant with up to 6,000L bioreactor capacity.

Through biomanufacturing, future proteins can be animal-free and economically sustainable ...

Cultivation in bioreactors:
Cell based applications & precision fermentation

or

Plants as biofactories:
Advanced plant biology and molecular farming

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We enable the transition!

Redefining the future of food and biomanufacturing

The Cultivated B provides conventional food manufacturers with convergent solutions to produce valuable proteins at scale.

By combining **inhouse hardware development** and **science-driven end-to-end solutions** in molecular farming and precision fermentation, we design and optimize production systems along our customers' needs.

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ENABLER

- Adaptive, dynamic company
- Cost and risk analysis
- Science-driven expert teams
- Hardware infrastructure inhouse
- Know-how in process development

Cultivated B

We identify your target protein and choose a platform to scale:

Precision fermentation

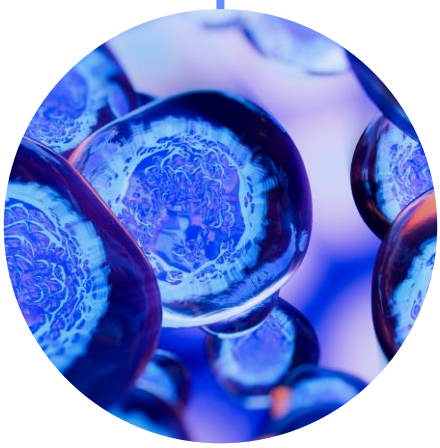
We developed technology platforms to assess host options and benchmark purity, techno-functionality and formulation. Our teams support clients through four stages: sourcing, proof of concept, pre-industrial scaling and industrial scaling. Our own bioreactor technology is applied through all phases.

Examples: Yeast | Bacteria

Molecular farming

We enable sustainable, large-scale protein production. With advanced expertise in genetic engineering, we optimize protein production systems from DNA synthesis to transgenic plant propagation. Our setups support multiple projects and commercial production in greenhouses or open fields.

Examples: Soybean | Tobacco



Cell culture

We offer guidance to develop scalable cell culture processes and experimental workflows, leveraging our cell bank, featuring high-performance, immortalized cell lines. Our team also offers the expertise to engineer customized cell lines, precisely tailored to your specific needs.

Examples: Avian | Mammalian

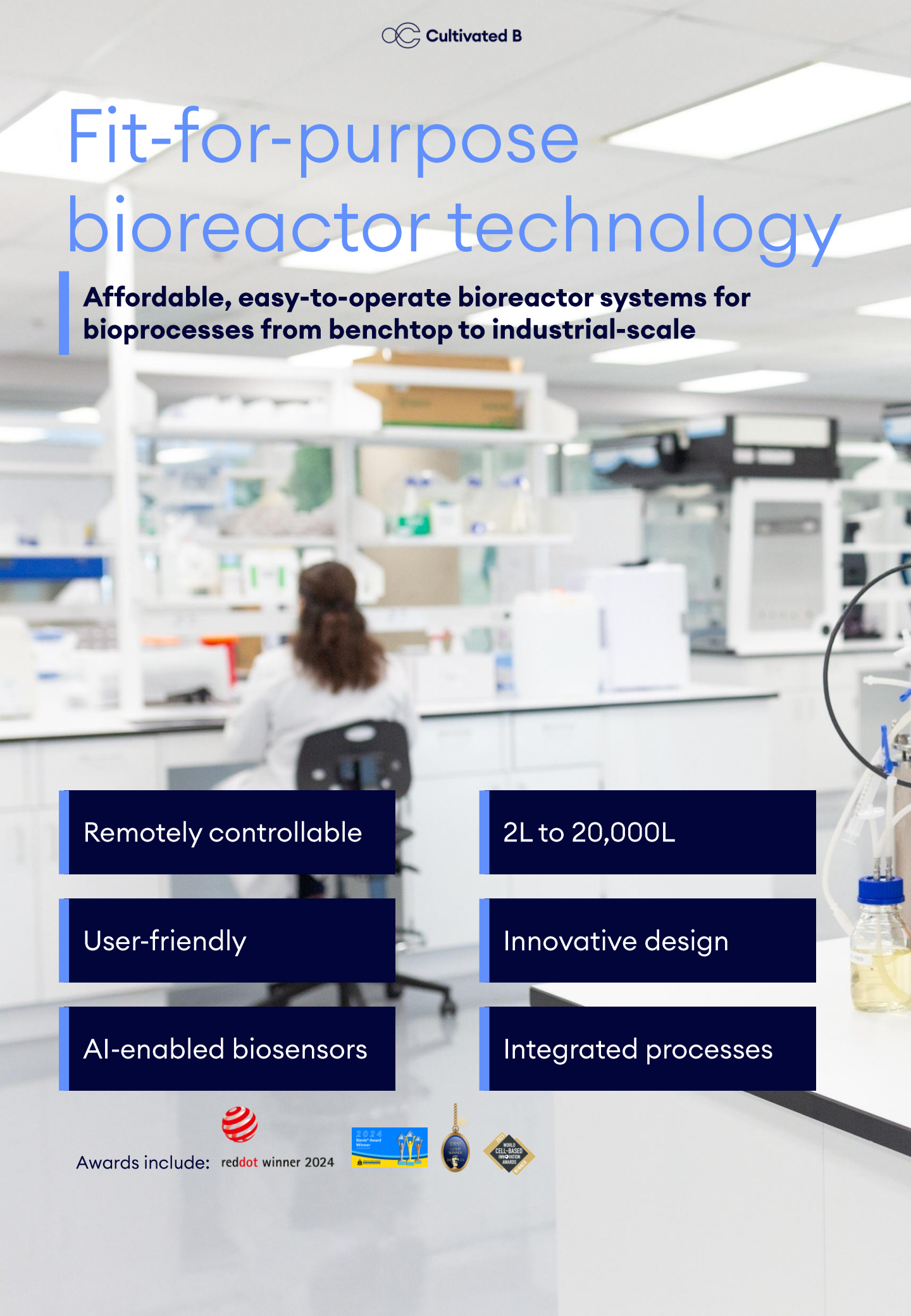
KEY BENEFITS

- Supply chain independence and resource stability
- Reduced costs and consistent resource pricing
- Animal-free options in line with consumer demand

Cultivated B

Fit-for-purpose bioreactor technology

Affordable, easy-to-operate bioreactor systems for bioprocesses from benchtop to industrial-scale



- Remotely controllable
- 2L to 20,000L
- User-friendly
- Innovative design
- AI-enabled biosensors
- Integrated processes

Awards include: reddot winner 2024


SIMATIC HMI
SIEMENS
START | SELECT VESSEL
01
02
CUSTOM RECIPE
0%
AUXO
AGITATION 01
BIOMACHINES

Our approach

Scalable solutions: from proof of concept to industrial success

We deliver end-to-end solutions that accelerate advancements in the food industry. With deep R&D expertise and process development know-how, we leverage advanced bioengineering to empower production hosts to create products with exceptional texture, taste, and color. Our in-house hardware development and scalable concepts ensure seamless integration, while our cutting-edge technology platforms evaluate host options, benchmark purity, functionality, and formulation, and optimize efficiency through comprehensive risk and cost analysis.

CAPABILITIES

- Cutting-edge R&D expertise driving innovation
- Advanced process development know-how for optimized production
- In-house hardware development for tailored solutions
- Scalable concepts designed for seamless growth
- Comprehensive risk and cost analysis to ensure efficiency

APPLICATIONS

- Foods ingredients
- Bioactive peptides & growth factors
- Industrial enzymes and antibodies

Modular scale-up: production process design in four phases

Phase I

Leverage different R&D platforms for feasibility studies

mg – g

Phase II

Sample production and realistic cost estimation

g – kg

Phase III

Scaling for product developme nt in our pilot facility

10 kg – 100 kg

Phase IV

Support for designing and building your own facility

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