



Reimagining The Bioprocess Ecosystem

Unifying smart bioreactors, cloud software, AI, and scientific expertise into **one connected** process environment.



Smart Bioreactors

Flexible, Scalable,
Reliable. Built for
modern labs.



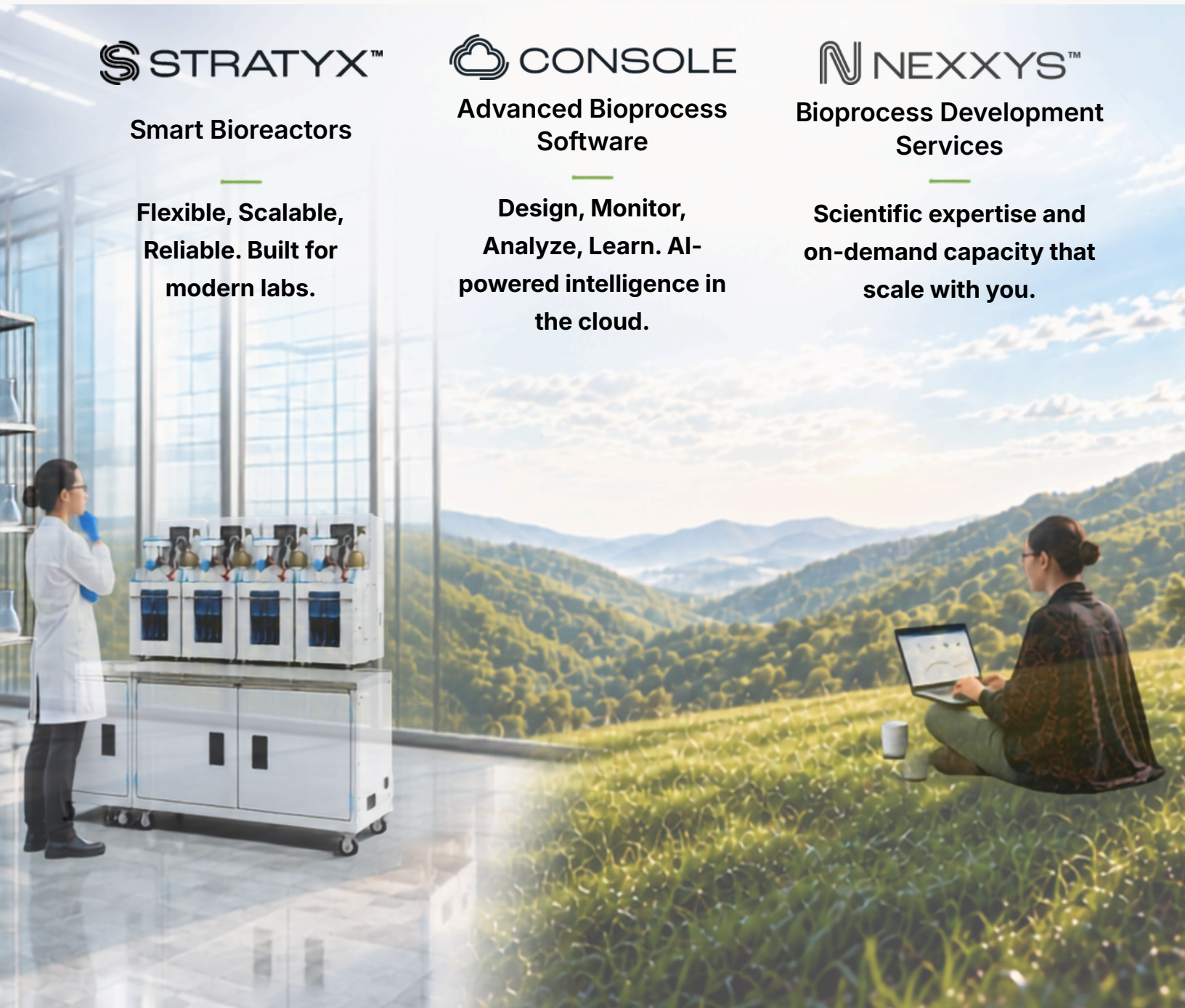
Advanced Bioprocess
Software

Design, Monitor,
Analyze, Learn. AI-
powered intelligence in
the cloud.



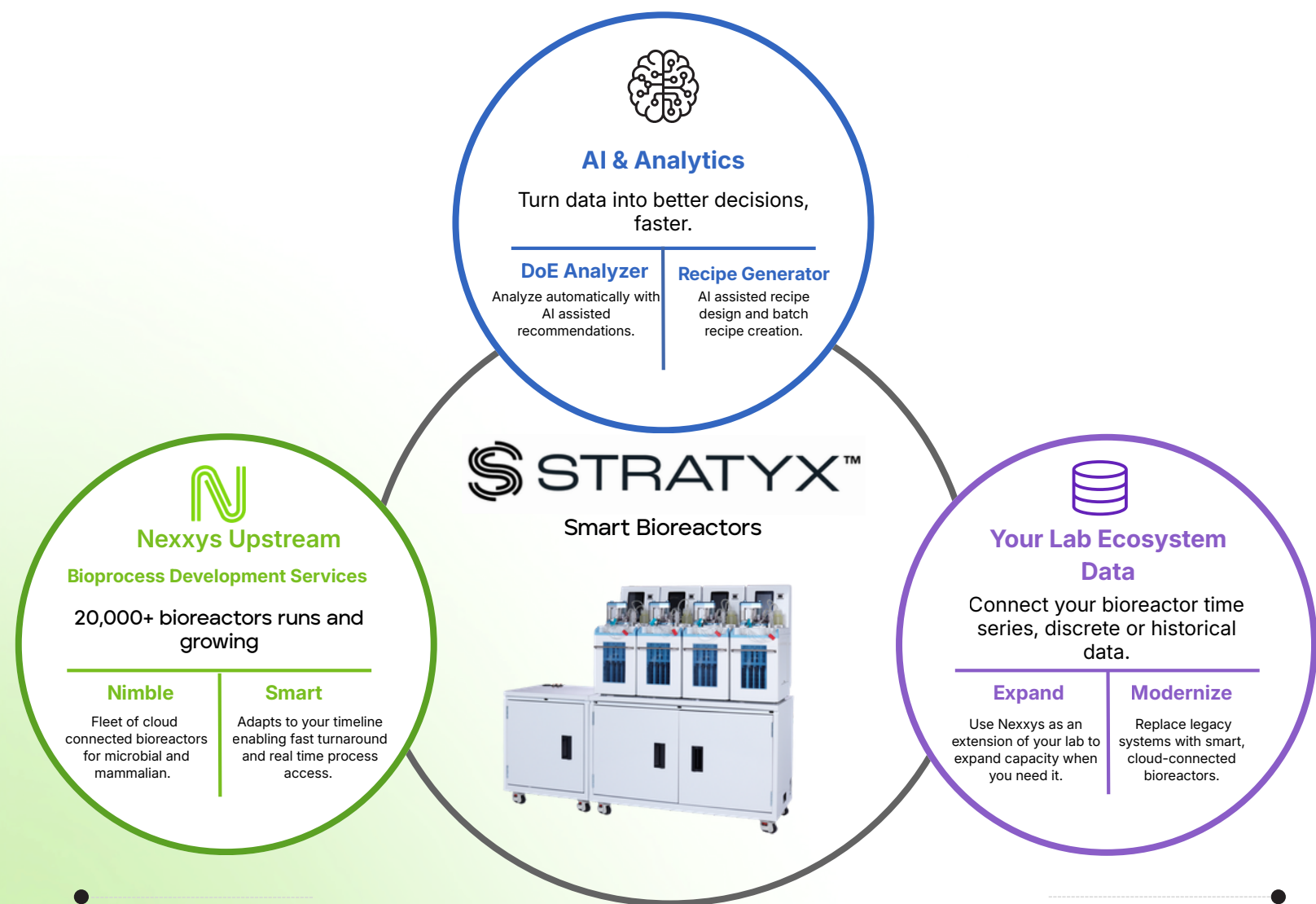
Bioprocess Development
Services

Scientific expertise and
on-demand capacity that
scale with you.



Accelerating results from Development to Market

Culture Biosciences® accelerates scale-up and tech transfer and reduces time to market by unifying instruments, data, automation, analytics, and scientific expertise in a single connected platform. By eliminating workflow fragmentation, expanding process development capabilities, and embedding AI tools directly into our platform, Culture helps scientists run more efficient, reliable experiments.



One Connected Ecosystem. Endless Possibilities.

Real impact across your bioprocess journey

From early development to scale-up and transfer, our connected ecosystem helps you move faster, work smarter and achieve better results.



Accelerate time to market

Reduce development cycles with integrated experimentation and AI-driven insights.



De-Risk scale up and transfer

Seamlessly translates processes across scales and sites with confidence.



Maximize asset utilization

Use the same bioreactors anywhere, your lab or ours.



Improve process performance

Optimize yields, productivity and robustness with better data and smarter decisions.



Increase quality and consistency

Standardized data and closed-loop control drive more consistent outcomes.

Culture's connected bioprocess ecosystem, Stratyx™ 250 integrates bioreactor hardware with Console Software, its cloud-connected software platform for experiment design, recipe generation, real-time monitoring, data management, AI, and analytics. The ecosystem also connects Nexxys™ Upstream Bioprocess Development Services with customer laboratory and historical data, helping teams accelerate development, improve process performance, de-risk scale-up and transfer, increase consistency, and maximize asset utilization.

Industry-Leading Hardware.

Cloud based Console runs your Stratyx 250™



Stratyx 250 Hardware

Best-in-class small-scale bioreactor: closed-loop. AI-powered and integrated with the entire analyzer stack.

Bioprocess development works better when everything works together. Culture Console powers the Stratyx 250 bioreactor workflow. Console provides the cloud-connected environment for designing experiments, creating and executing recipes on Stratyx 250, monitoring runs in real time, and analyzing process data, connecting bioreactor operation, data, analytics, and decision-making in one platform.



Scan or click to download Stratyx specs.

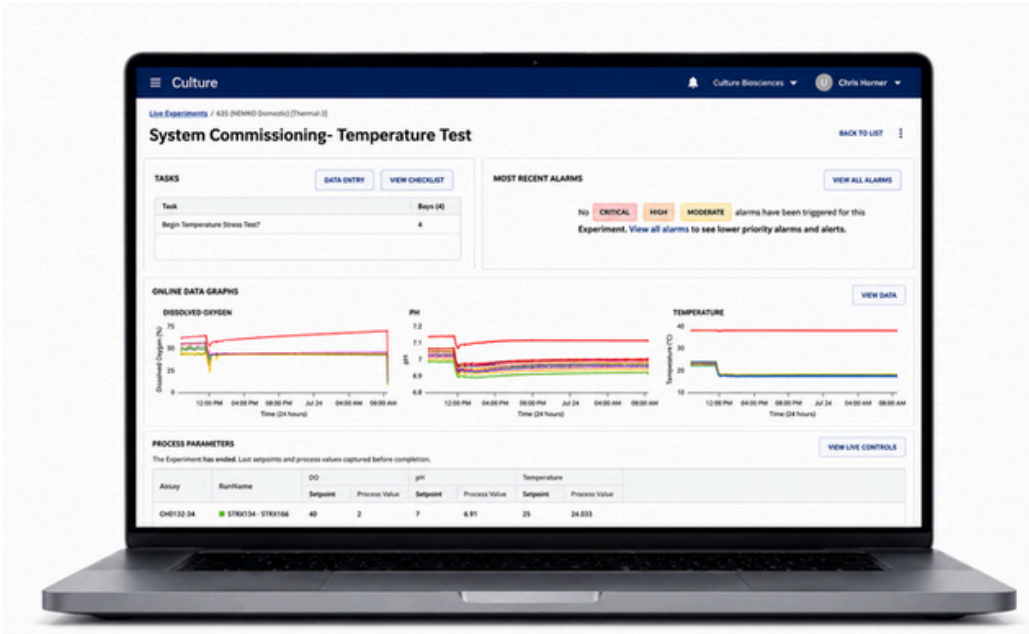
Built to perform

Designed around what matters.



Scan or click to download consumable specs.

Game-Changing Software.



Console Software

AI-native bioprocessing platform that turns every run into insight, recipes, and decisions, in minutes, not weeks.

Console Software also powers advanced capabilities like ChatDoE, part of a growing suite of intelligent tools that helps teams design, execute, analyze, and optimize experiments with greater speed and confidence. By connecting workflows and data across the development process, Console reduces manual work, streamlines collaboration, and brings a more integrated, intelligent approach to bioprocessing into the lab today.



Scan or click to download consumable specs.

Put your data to work

Discover how Console connects every step of bioprocess development.



Built for Modern Bioprocessing

Stratyx 250™ The Smart Bioreactor

Stratyx 250 brings Culture Biosciences' bioreactor expertise into a next-generation, single-use platform built for modern cell culture process development.

With plug-and-play mobility, precise per-reactor control, and cloud connectivity through Console, Stratyx simplifies workflows and helps teams move faster without added complexity.

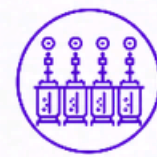
Most importantly, Stratyx delivers performance, including consistently higher titers.



SMART HARDWARE. POWERFUL SOFTWARE. EXPERT SERVICES.

Key Features

Flexible. Reliable. Connected.



DEDICATED 4-GAS CONTROL

Individual mass flow controllers per reactor ensure precise, independent control and reproducible results.



CLOUD CONNECTED

Native to Console's for real-time monitoring, control, and data capture, anytime, anywhere.



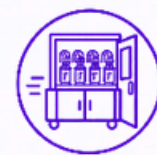
MODULAR & SCALABLE

Start with 4 reactors and scale to 8 or 12 as your needs grow. Pay-as-you-grow flexibility.



TRUE SINGLE-USE SYSTEM

Gamma-sterilized, pre-assembled fluid paths eliminate cleaning, reduce risk, and speed turnaround.



MOBILE BY DESIGN

Wheeled cars fit through standard doorways and labs, no facility modifications required.



PRECISE FLUIDICS

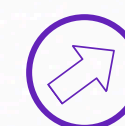
Precise syringe-based pumps deliver accurate, reliable fluid handling while reducing clogging risk, helping maintain consistent feeding and smoother bioprocess operation

THE STRATYX ADVANTAGE



Save Weeks

WEEKS LESS
HANDS-ON TIME
PER RUN



Better Performance

19% HIGHER TITER VIA
HARDWARE ADVANTAGES



Higher Titer

UP TO 43% VIA
DIGITAL TWINS

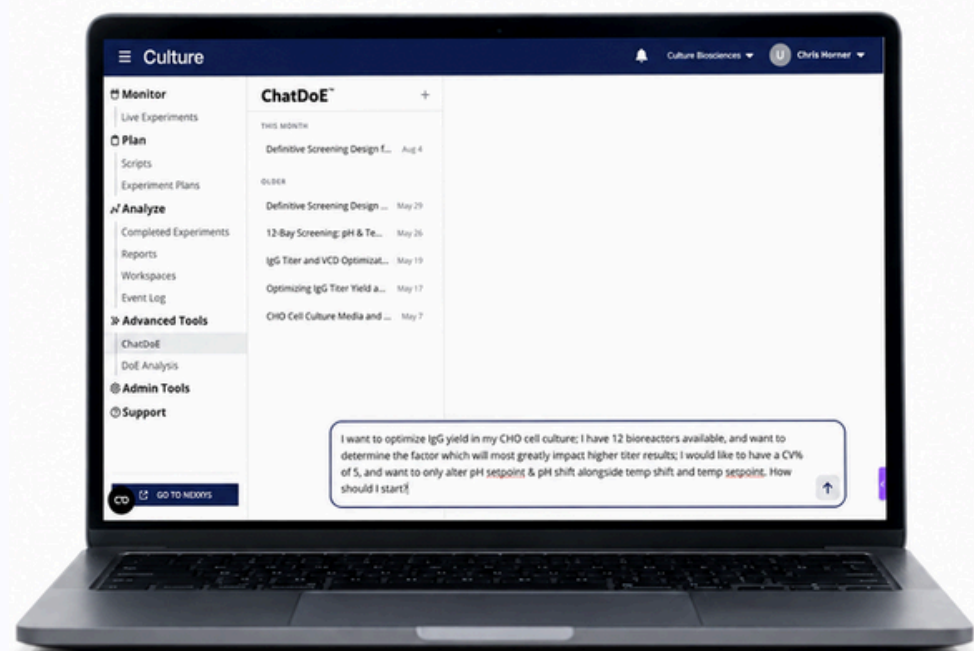
ONE PLATFORM. ENDLESS POSSIBILITIES.



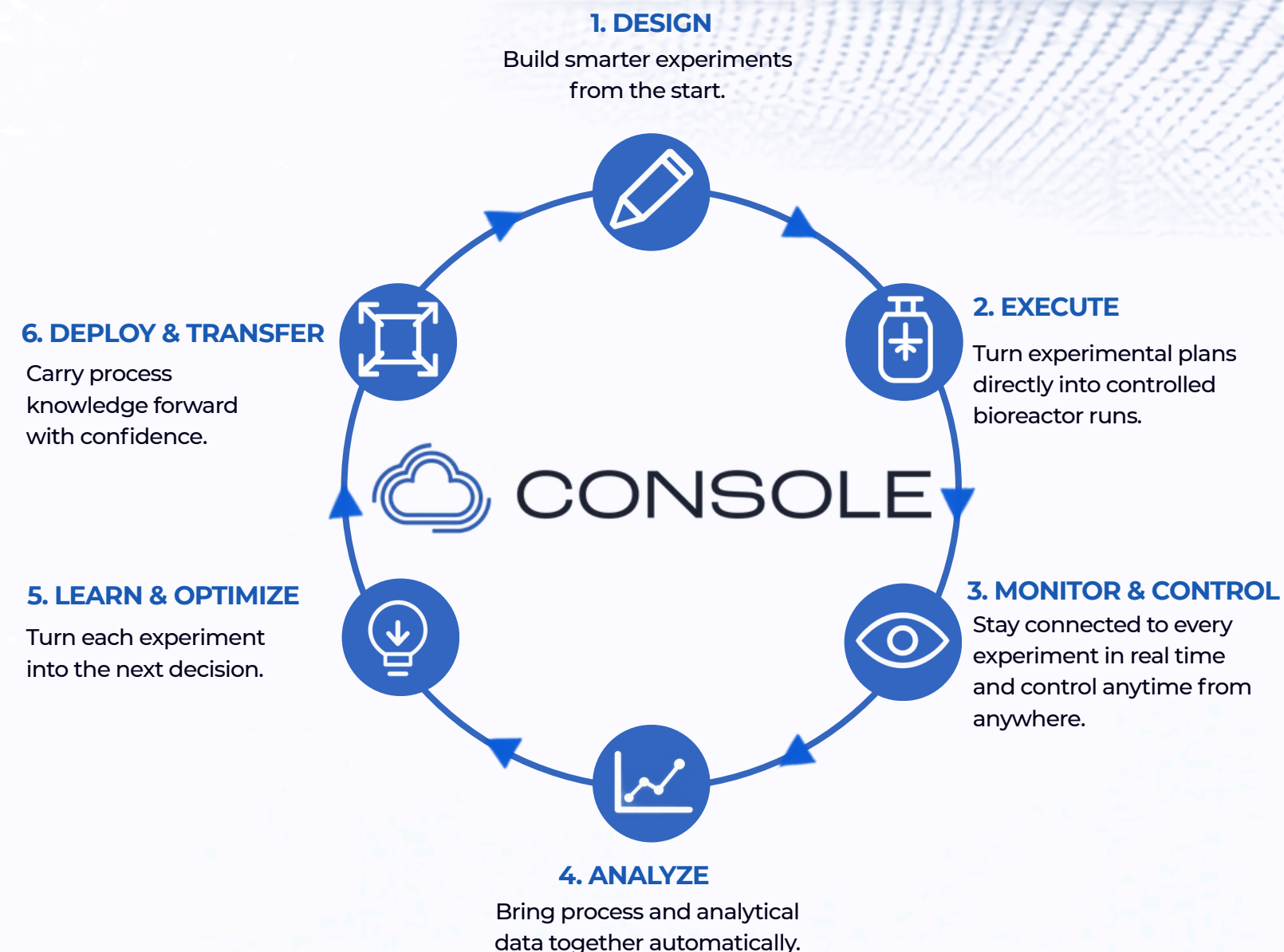
Connected software platform

Experiment design, execution, and continuous learning powered by **Advanced AI**.

Console brings every part of bioprocess development together in one intelligent platform. Design smarter experiments, execute with confidence, monitor in real time, analyze with depth, and continuously learn, so every run moves you forward.



Closed Loop Bioprocessing



AI-Powered Insight
Advanced AI turns data into smarter decisions.



Cloud-native.
Secure. Always up to date.



Accessible anywhere. Built for collaboration.



ChatDoE

ChatDoE
From prompt to DoE in seconds.

DoE Analyzer
Data to insights in seconds.



Bioprocessing Is Hard Work. Nexxys Gets It Done.

Nexxys provides on-demand bioprocess capacity for synbio and therapeutic protein labs, eliminating the need for additional capital investment or staffing.



The Launchpad
Process feasibility &
Baseline Data

4

Parallel Bioreactors



The Sprint
Accelerated
Process Definition

12-24+

Parallel Bioreactors



The Insight Campaign
Deep Characterization

24+

Parallel Bioreactors

Built For:

Teams seeking high-quality data without expanding lab space, or de-risk new processes off-site.

Built For:

Teams ready to move quickly from early feasibility to a scalable, optimized process.

Built For:

Bioreactor processes requiring deep characterization and defined operating limits.



Why Culture Biosciences

Culture combines flexible experimental design, 24/7 monitoring, real-time alerts, and expert support from development through scale-up. With more than **20,000** bioreactors runs across **100+ customers**, we bring proven experience to every program.



Fast-Track Process Development

Align on goals, approve the scope, get your process running in bioreactors within days. Monitor every run through Console, collaborate closely with our team, and carry those insights forward as you scale.



Expert Services Built to Scale

From early feasibility to deep characterization, our service packages are designed to meet you where you are and move with you as you grow.



Built on Experience. Driven by Results.

20,000+
Bioreactor Runs

100+
Customers

Proven
Across Every Program

Let's Build What's Next.

On-demand capacity. Expert execution.
Faster results.



**Scan to see
bundle details**

Proven Performance

Real Bioprocess Impact.

From first experiment to scale-up, Culture helps teams generate better data, make faster decisions, and build more reliable processes.



1 **SAVE WEEKS
WITH EVERY
PROCESS**



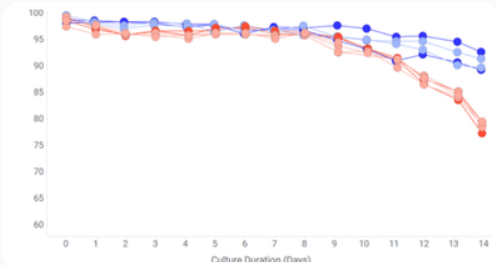
22+ Days compressed
down to 10 minutes

Cloud-connected control, automated data capture, and integrated analytics reduce the manual work between experiments and decisions.



Scan or click to
see results

2 **HIGHER VCD
HIGHER TITER
SAME QUALITY**



19%

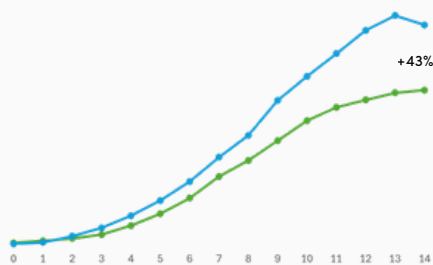
In a side-by-side comparison, Stratx outperformed another 250 mL bioreactor, delivering 15% higher viable cell density and 19% higher titer while maintaining equivalent product quality by CE-SDS.



Scan or click to
see results

3 **HIGHER TITER
DIGITAL TWINS**

43%



Stratx has demonstrated up to **43%** higher titer in cell culture process development, helping teams identify stronger processes faster.



Scan or click to
see results

**BUILT ON EXPERIENCE.
DRIVEN BY RESULTS.**



**20,000+
BIOREACTOR RUNS
AND GROWING**



**100+
CUSTOMERS
WORLDWIDE**



**ONE
CONNECTED
PLATFORM**

Connected Anywhere.

Cloud-connected hardware, software, and expertise so your process development moves with you.



Smart Bioreactors

Cloud-connected bioreactors deliver precise, real-time data from anywhere.



Design • Execute • Monitor •
Analyze • Learn

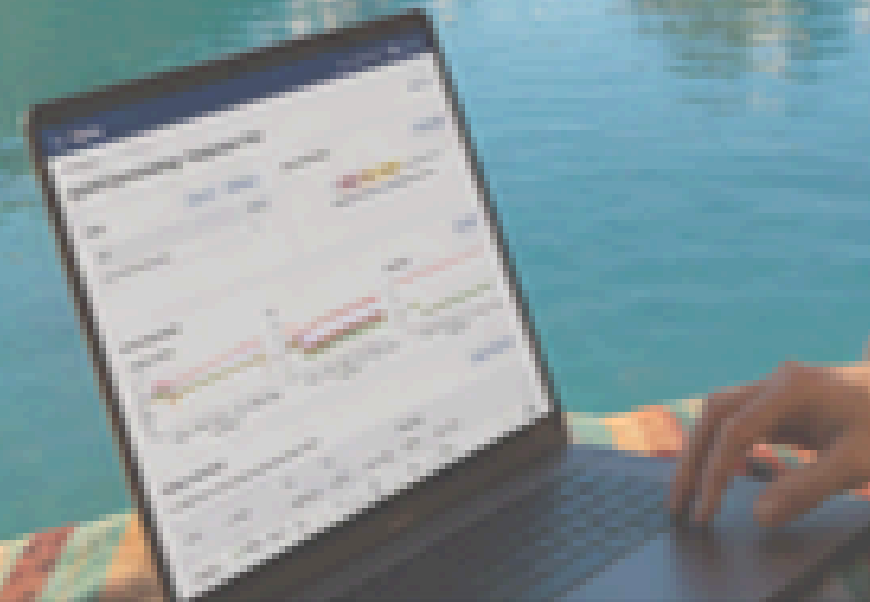
One connected platform for your entire development workflow.



Expert Execution +
On-Demand Capacity

Extend your team with scientific expertise and cloud-connected bioreactors

Develop Better Everywhere.



YOUR BIOPROCESS AT ANYTIME FROM ANYWHERE.

One continuous platform. One source of truth.
Better processes, wherever you are.



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