

From Capture to Design: The Future of Revvity Signals

revvity
signals

The Revvity Signals Journey

The landscape of R&D is shifting rapidly,
and Revvity Signals is evolving with it.



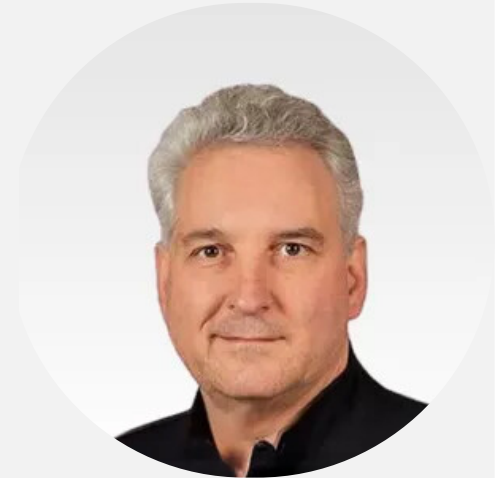
Foreword

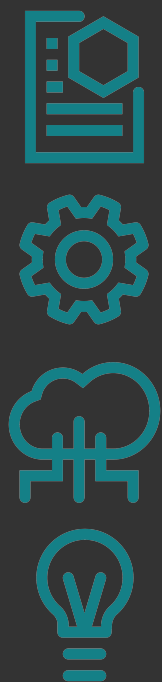
Evolution is a constant to ensure we meet the needs of our customers. AI is driving this evolution at unprecedented speed and scale.

Revvity Signals is continuing to evolve to meet this moment, transforming existing core solutions and embedding AI at its core while extending its role from **knowledge capture** → **execution** → **design** across the full R&D lifecycle.

David Gosalvez

***Chief Strategy
Officer***





Our Approach

Revvity Signals is evolving to move beyond knowledge capture to deliver intelligent, execution ready, AI-powered science.

#1



From Knowledge
Capture to Execution

#2



Transforming Core
Tools

#3



Pragmatic AI

#4



The Next Horizon: AI-
Driven Design

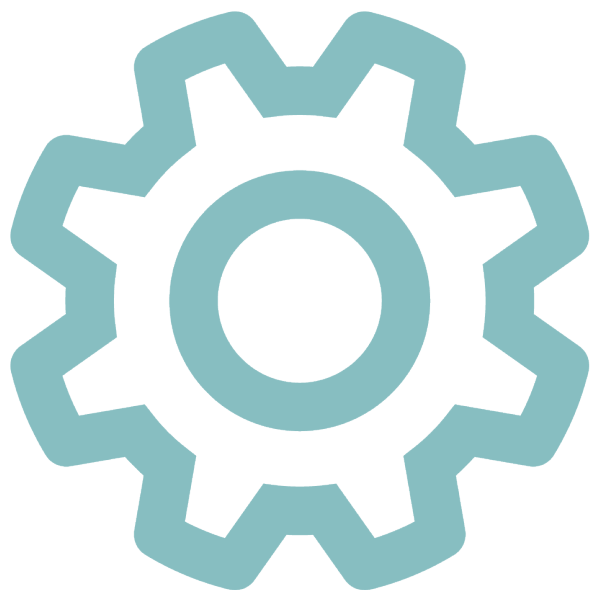


From Knowledge Capture to Execution

Revvity Signals has long excelled at knowledge capture through experiment-centric ELNs. Now, the portfolio is evolving to **enable execution**, turning documented experiments into actionable workflows.

This shift is embodied in **Signals LabGistics™**, which supports sample- and process-centric execution, allowing scientists to run complex scientific workflows, manage samples at scale, and capture critical process parameters. By creating robust data pipelines, Signals LabGistics ensures seamless information flow from experiment to analysis and extends the Signals' portfolios capabilities beyond early discovery into scale-up, development, and manufacturing QA/QC.

[Learn More About Signals LabGistics](#)



Transforming Core Tools

Signals ChemDraw® is the next step in the evolution of ChemDraw®, combining the drawing capabilities of ChemDraw with cloud-native applications.

Simultaneously, new HELM-based macromolecule capabilities are co-developed with users, addressing emerging needs in biologics, peptides, and conjugates while supporting real-world scientific workflows.

[Learn More About Signals ChemDraw](#)



Transforming Core Tools

AI has moved from promise to practice within **Signals One™**. Through **Generative AI and LLMs**, the solution now supports semantic search, experiment validation, automated SOPs, third-party ontology support.

This “**Invisible AI**” quietly makes workflows faster and smarter without changing how scientists work.

[Learn More About Our AI Strategy](#)



The Next Horizon: AI-Driven Design

AI-driven design is transforming the *design-make-test-decide* cycle. Generative AI enables molecule and sequence creation, property prediction, and virtual screening, turning design into a standalone, accelerated process.

Revvity Signals connects internal and commercial models directly to the bench, putting advanced algorithms into scientists' hands and shaping the future of discovery.

[Learn More About Our AI Vision For The Future](#)

Driving Innovation Today, Enabling the Science of Tomorrow



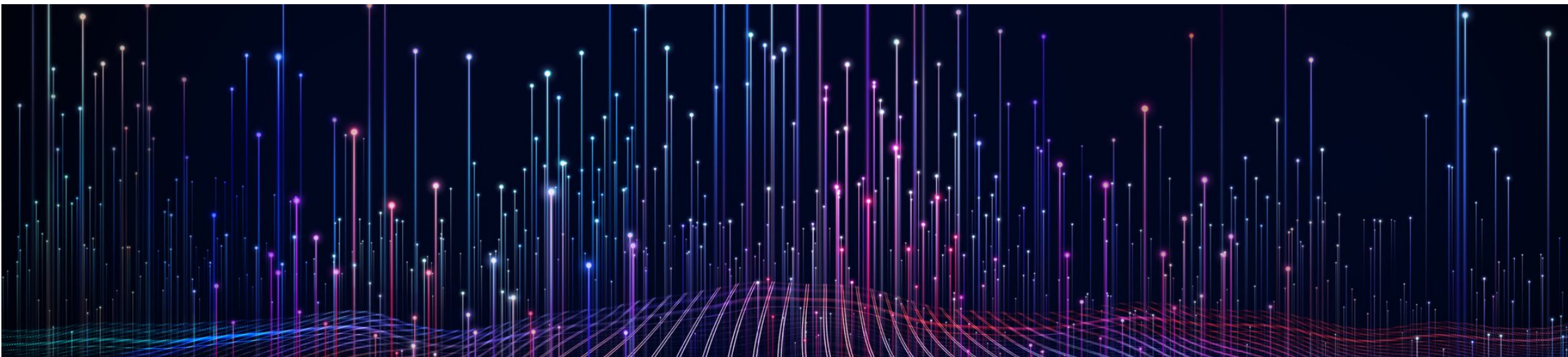
Our Strategy

We are pursuing both **breadth** — supporting the full R&D continuum through to manufacturing — and **depth**, delivering highly specialized, user-centric software through our pragmatic AI approach.

AI will play two roles:

Pervasive: Embedded into daily features across the solution.

Transformative: Driving entirely new offerings such as AI-enabled design.



A Look to the Future

Revvity Signals is evolving to meet customer needs by transforming core solutions and harnessing the power of AI, to support the full lifecycle of discovery, from early research to scale-up and manufacturing, while delivering specialized tools tailored to complex workflows.

Signals LabGistics enables precise execution of workflows, sample tracking, and process optimization, while integrated AI quietly improves productivity through semantic search, conversational data access, and automated administrative tasks.

Signals ChemDraw® blends legacy excellence with modern SaaS capabilities, ensuring collaboration and accessibility, especially for emerging macromolecule and biologics

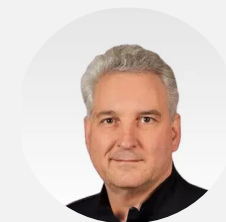
workflows.

Looking ahead, **AI-driven design** accelerates molecule and sequence creation, prediction, and virtual screening, transforming the traditional *design-make-test-decide* cycle into a standalone, accelerated design loop.

By connecting these capabilities with Signals' portfolios experimental and data infrastructure, the solutions empower scientists with smarter, faster, and more integrated tools, reshaping the future of discovery.

"Our goal remains to empower scientists with smarter, faster, and more integrated tools—bridging design, execution, and insight to redefine what's possible in discovery."

David Gosalvez
Chief Strategy Officer



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