


Signals One™: Complete, Unified SaaS Software Supports the Design-Make-Test-Decide Lifecycle



Signals One™: Complete, Unified SaaS Software Supports the Design-Make-Test-Decide Lifecycle

Variability across scientific research projects has resulted in siloed point solutions addressing individual use cases. But that approach has hampered the seamless collaboration and data sharing across biology, chemistry, and formulation that is critical to generate insights that drive drug development.

Signals One is designed for researchers to collaborate from early research through early development, supporting the entire Design-Make-Test-Decide lifecycle in a cloud-native, unified software platform.



[Request a
Demo Today!](#)

- Collaborate across all R&D disciplines; adapt planning and wet-lab work in real time
- Control workflow configurations for every technique, modality, and data type
- Make better tactical and strategic decisions based on analysis of more complete data
- Support data integrity and regulatory compliance
- Scale to meet business needs
- Meet IT requirements for automatic updates, cloud security controls, SOC2, compliance

Built on the Signals Platform

Signals One leverages the unified Signals technology platform, including Spotfire® and ChemDraw® to power its data management, analytics and visualizations, and configurable workflows. Signals One's portal gives users secure single-login access to all applications, while administrators can manage their organizations' access/permission levels for all the solutions users and groups. Once in the Signals One users find a streamlined, seamless interface and a help center housing data tutorials, training videos, and software release information.

IT benefits from solution automatic updates, cloud security controls, and SOC2 compliance in a single SaaS installation. The solution can be deployed in either a multi-tenant or private-cloud environment. Signals One scales up rapidly to address business needs.

The solution, built on the Revvity Signals technology platform, *Figure 1*, automates both routine tasks and workflows, increasing productivity across data capture, cataloging, analysis, and sharing while illuminating insights that drive innovation. Data integration and record-keeping rigor means data is findable, accessible, interoperable, and reproducible (FAIR), aiding in data integrity and regulatory compliance.

Signals One™: Complete, Unified SaaS Software Supports the Design-Make-Test-Decide Lifecycle

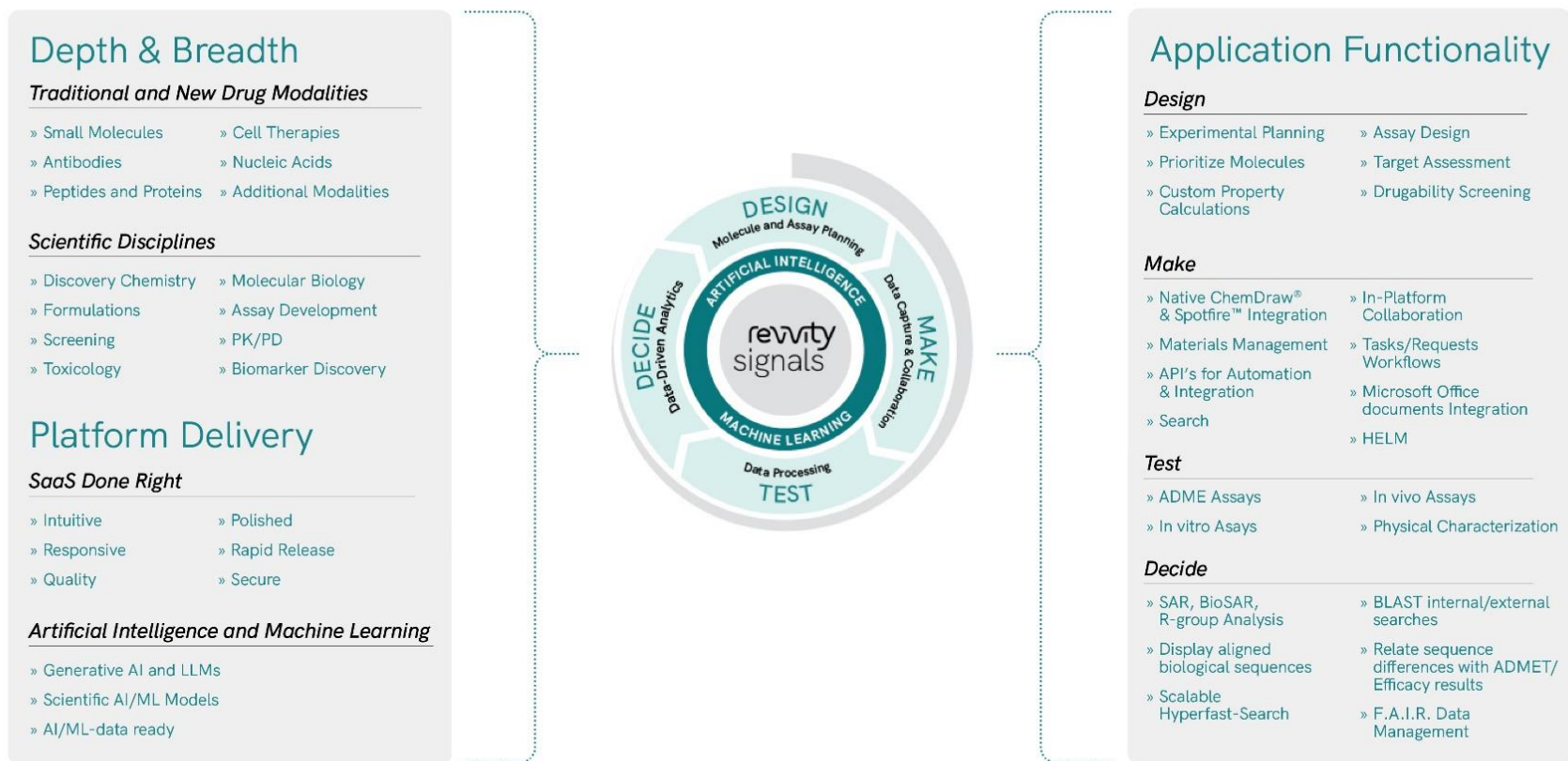


Figure 1: Signals One unites all scientific program work in one platform, spanning from drug discovery (shown), chemicals & materials R&D and food science. It provides workflows combining formulation and synthesis steps with analytical testing and scale up. Based on Revvity Signals modern Signals technology platform for data management, the solution enables no-code search and shareable best-practice data analysis workflows.

Signals One

Powered by Revvity Signals technology platform, Signals One addresses the end-to-end needs of research scientists throughout the Design-Make-Test-Decide R&D Lifecycle.

Design:

- Signals Notebook is the only ELN integrated with ChemDraw®, the gold-standard chemical drawing and communication software.
- Leverage structured, high-quality data and open APIs to integrate AI algorithms for predictive modeling, hypothesis generation, and design optimization.

Make

- Facilitates collaboration and data management to capture, organize, share, and explore data.
- Plan, perform, and document experiments to avoid duplication of work and to maximize insights into your wet-lab workflows.

Test

- Simply handle common visualization and analytics uses cases including in vitro curve fitting, in vivo data visualization, and group-comparison with Signals Native Analytics
- For more advanced analysis needs, leverage natively integrated Spotfire® for data analysis and visualization of all modalities, this capability unites assay development, low- to ultrahigh-throughput production assays, high content screening, and in vivo studies, enabling users to search across all assay and screening data in a single solution.
- As a central data processing platform for all types of experiment workflows, Signals Data Processing lets you parse instrument files, process data using automatable calculation templates, and capture results.

Signals One™: Complete, Unified SaaS Software Supports the Design-Make-Test-Decide Lifecycle

Decide

- This next-generation data management system analyzes scientific results. Data-driven Analytics capabilities enables efficient access and analysis of all scientific results collected throughout the R&D life cycle.
- With all the chemical and biological analytic functionality of Revvity Signal's Lead Discovery Premium, plus advanced query and data management capabilities, it helps users find and retrieve any test or assay result plus associated compound or biologic sequence information across experiments, projects, and departments.
- The Data-driven Analytics capabilities provide sub-second query responses across even the largest of databases. Scientists can easily transfer the relevant subsets of data into analytic dashboards without any programming, manual data-wrangling, or reformatting.

Signals One users can work on use cases involving early and later-stage in vitro assays, cell line optimization, biologics process optimization, in vitro DMPK assays, animal pharmacokinetic studies, and late-stage animal efficacy and safety studies as well as for chemicals & materials, formulations development, and food science. *Figure 2.*

Signals One™: Complete, Unified SaaS Software Supports the Design-Make-Test-Decide Lifecycle

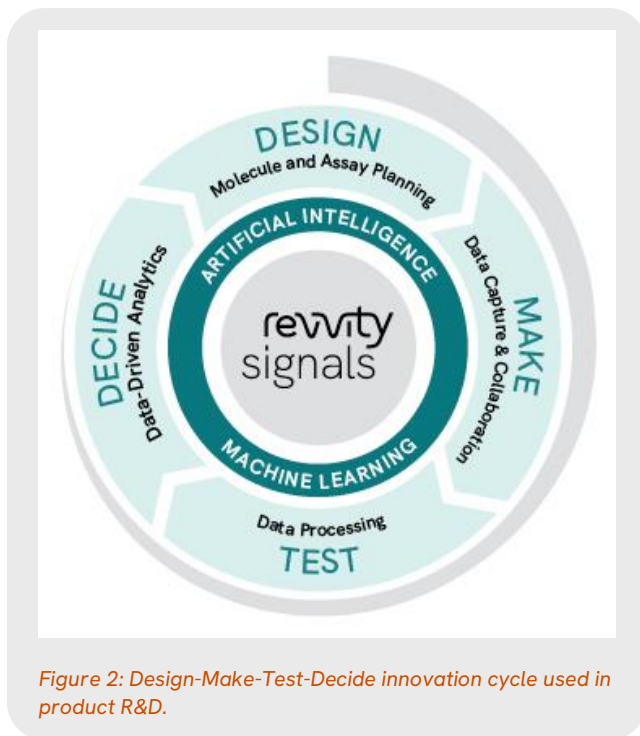


Figure 2: Design-Make-Test-Decide innovation cycle used in product R&D.

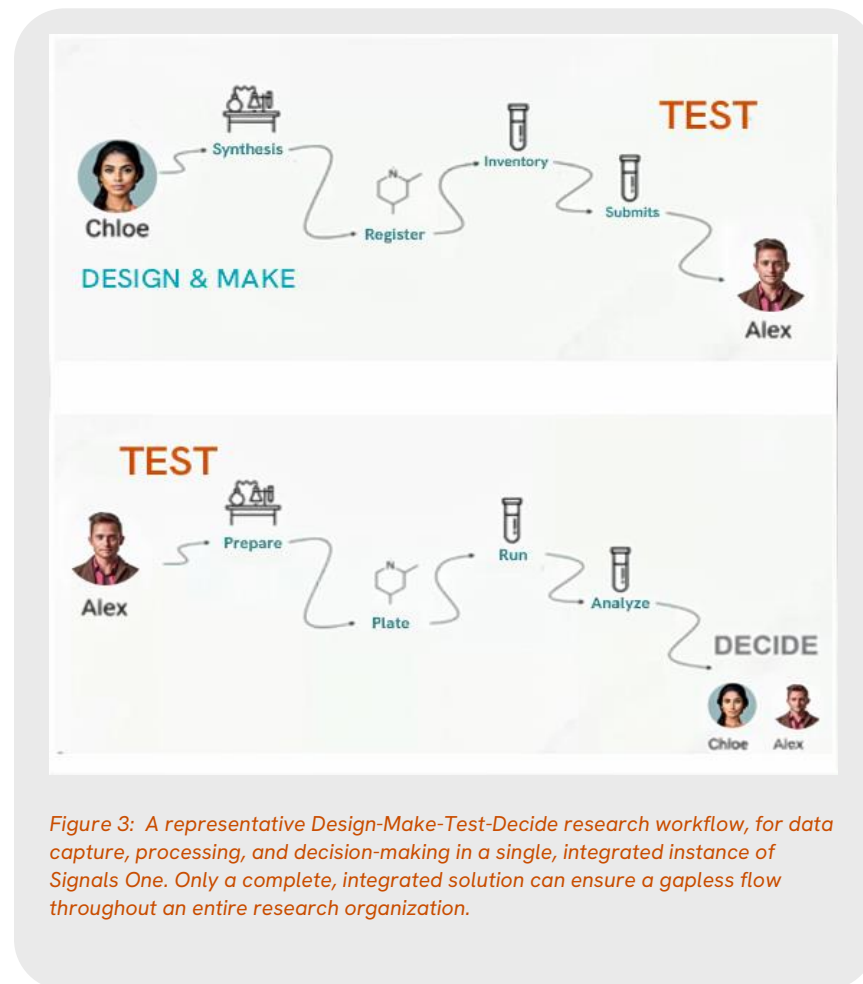


Figure 3: A representative Design-Make-Test-Decide research workflow, for data capture, processing, and decision-making in a single, integrated instance of Signals One. Only a complete, integrated solution can ensure a gapless flow throughout an entire research organization.

Key Capabilities

- Simply handle common visualization and analytics uses cases including in vitro curve fitting, in vivo data visualization, and group-comparison
- Enhance user experience and ensure IP protection with integrated Generative AI and LLM
- Create and use ontologically aware assay repositories that follow F.A.I.R. data principles
- Define and manage data processing and calculation templates
- Analyze results across experiments and studies and compare formulations and run details
- Perform audit trails for configuration, material management, experiment and study execution
- Collaborate internally and externally on study- and project-based access control models
- Create and manage all lab protocols and recipes in one place

End-to-end data management and workflow support

Signals One is the data management and analysis SaaS solution serving the entire R&D Design-Make-Test-Decide, *Figure 3*, lifecycle. It fully captures experiment data with transparency, connectivity, and interoperability for multidisciplinary collaboration. Users experience seamless workflows, lab automation, automatable instrument data processing, and more in an extensible solution for integration with internal and partner systems and processes.

Learn more about Revvity Signals One to increase your chance for market success, visit: <https://revvitysignals.com/products/research/signals-one>



revvitysignals.com
77 4th Avenue
Waltham, MA 02451 USA
P: (800) 762-4000 (+1) 203-925-4602

Revvity Signals RevvitySignalsSoftware revvitysignals
 Revvity_Signals RevvitySignals

Copyright ©, Revvity, Inc. All rights reserved. Revvity® is a registered trademark of Revvity, Inc. All other trademarks are the property of their respective owners.