

IDBS E-WorkBook

CLOUD



ELN



ADVANCE



CHEMISTRY



INVENTORY



INTEGRATIONS



COLLABORATION



REQUEST

The E-WorkBook CLOUD



The IDBS E-WorkBook Cloud is a complete end-to-end, cloud-based platform that supports all your internal, external and hybrid data management and research needs.

By combining the very best functionality of lab-based informatics solutions (ELN, LIMS, LES, SDMS & more), The E-WorkBook Cloud goes beyond traditional lab management software, providing cutting-edge data capture and analysis tools, job requesting and management, inventory management, as well as biology and chemistry functionality.

With the IDBS E-WorkBook Cloud, you get flexible, scalable and powerful enterprise-level software combined into one of the world's best R&D scientific informatics platforms, enabling you to start building your **lab of the future**.

CREATING YOUR E-WORKBOOK CLOUD



The E-WorkBook Cloud features **eight intuitive modules**, enabling you to add new functionality as and when you need it.

ELN

Our cloud-based enterprise electronic lab notebook

ADVANCE

Our cutting-edge spreadsheet technology

CHEMISTRY

Our next-generation chemistry platform

INVENTORY

Our laboratory inventory management software

COLLABORATION

Our secure environment for collaborative and connected working

REQUEST

Our work request management platform

INTEGRATIONS

Our advanced framework for system integrations

If you would like to learn more about the flexible, scalable and powerful **E-WorkBook Cloud**, then get in touch: www.idbs.com/contact



ELN

E-WorkBook ELN



E-WorkBook ELN is our cloud-based enterprise electronic lab notebook, which provides the critical data capture and management backbone of the IDBS E-WorkBook Cloud.

We know that knowledge and intellectual property (IP) are a company's most important assets and securing this information in a scalable, performant and validatable platform is critical to a company's long-term growth and success.

With E-WorkBook ELN, you can manage your entire organization's data management needs from one platform, meaning you can spend more time on what you do best: **science**.

E-WorkBook ELN provides an enterprise electronic lab notebook that meets the data management needs of your entire organization, protects your intellectual property (IP), and gives you more time to focus on your research and development (R&D) activities.

With E-WorkBook **ELN**, you can:

- Create, share, search and query R&D data in real time
- Transform the research process with improved efficiency and enhanced collaboration in a secure, easy-to-use environment
- Reduce the administrative burden associated with report generation, leaving more time for innovation
- Bring together every aspect of a researcher's day-to-day activities through a common view of data across disparate R&D areas.

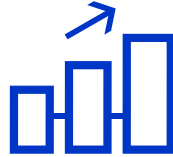


ELN



ADVANCE

E-WorkBook ADVANCE



E-WorkBook Advance helps scientists manage structured data capture and modernize operational practices by improving throughput, analytics, traceability and sharing of critical scientific data and insight, through our spreadsheet technology.

E-WorkBook Advance provides a centrally managed ontology to enforce consistent data entry and master data management.

Users have the ability to easily create assay and workflow templates that standardize data capture, all whilst working with our structured Data Mart and reporting engine that enables long-term governance.

Using E-WorkBook Advance also provides a **rich knowledge-base** for your business that can easily be reported on.

With E-WorkBook **Advance**, you can:



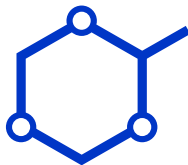
ADVANCE

- Integrate data flow and process execution
- Manage deployments to support your organization and ambitions from a single, scalable cloud product
- Execute, analyze, report and decide on information that needs to be processed, and how results and decisions are to be used
- Allow for true automation and for the seamless transfer of information between individuals, systems and hardware
- Provide strict user governance and auditing trails that enable 21 CFR Part 11 compliance in regulated environments.



CHEMISTRY

E-WorkBook CHEMISTRY



E-WorkBook Chemistry provides a simple and intuitive interface that supports the comprehensive workflows of organic chemistry synthesis and provides industry-leading technology for molecular representation and reaction indexing.

Throughout the design process we have sought independent guidance and input from top R&D organizations, to keep us on track in delivering a desirable product that chemists want to use.

The chemical landscape is broad and encompasses many diverse industries across petrochemicals, industrial chemicals, FMCG, pharmaceutical and agrochemicals.

Chemists in each of these domains may have different requirements and E-WorkBook Chemistry supports the demands for each market vertical.

With E-WorkBook Chemistry, you can:



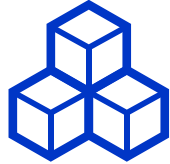
CHEMISTRY

- Design your experimental reactions quickly and look up reagents from local and online inventory sources
- Record your procedure and observations, together with the Health & Safety risks of the reagents and the reaction, and register your molecule using standardized interfaces
- Enter single molecules or reactions into an experiment with a comprehensive stoichiometry engine
- Calculate the required quantities of reagents, using equivalents based on mass, volume, density or concentration
- Retrospectively calculate the quantities of reagents required based on the desired quantity and expected yield of the product
- Register molecule to external registration systems, such as ChemAxon.



INVENTORY

E-WorkBook INVENTORY



E-WorkBook Inventory is a simple-to-use web solution, which enables you to seamlessly manage all your laboratory inventory needs from one place, helping you save time and boost productivity.

Our laboratory inventory management software lets you record your lab equipment, materials and samples, and manage the locations where they're stored.

E-WorkBook Inventory simplifies your **lab management and sample management processes**, which means you can record experiments faster, track and review inventory quickly and efficiently, improve the traceability of inventory usage, and reinforce compliance. Integrating with the IDBS E-WorkBook Cloud,

E-WorkBook Inventory provides organizations with more options when considering the capabilities they need, removing the need to implement disparate systems, such as LIMS.

The advanced location management features allow for the hierarchical relationship between locations, containers and inventory items. By supporting the concept of structured box management, E-WorkBook Inventory ensures the user can quickly identify available locations for a new sample.

With E-WorkBook **Inventory**, you can:



INVENTORY

- Integrate with other external technologies, such as barcode scanners, making day-to-day updates and interactions even easier
- Access the system from a multitude of different device types, giving you inventory oversight wherever you are
- Extend the E-WorkBook platform in a way which reduces the lab technology you need, meaning you can avoid implementing disparate systems, such as Laboratory Information Management Systems (LIMS)
- Capture the full usage history of laboratory assets for subsequent reporting
- Build compliance at the point of use.



INTEGRATIONS

E-WorkBook INTEGRATIONS



At IDBS, we recognize that integrating your systems together is vital to ensuring data integrity and compliance. We're also aware of the hidden costs often associated with achieving reliable integration.

With E-WorkBook Integrations, we have thought long and hard about both the systems you'd want to integrate, and how you'd want to integrate them. Often having a simple one-direction communication is not good enough.

In the world of the integrated lab or IoT, the benefit comes from clear bidirectional communication between systems.

E-WorkBook Integrations provides an extensive set of **out-of-the-box integrations**, alongside a clear set of integration points and APIs, enabling you to get all your systems talking together to create maximum efficiency.

With E-WorkBook **Integrations**, you can:



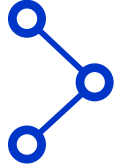
INTEGRATIONS

- Access integrations for many frequently used systems and instruments, including SDMS, LIMS, CDS, ERP and benchtop instruments
- Develop integrations without writing code
- Combine a rich set of APIs with out-of-the-box integration mechanisms
- Receive support for the storage and editing of common file types
- Use a “print to E-WorkBook” capability, which allows reports and instrument print-outs to be captured easily, with full searchability and configurable methods for parsing instrument output files.



COLLABORATION

E-WorkBook COLLABORATION



E-WorkBook Collaboration enables collaborative, secure working within the E-WorkBook Cloud.

E-WorkBook Collaboration removes the need for a separate technology and provides secure and isolatable areas for collaborative scientific work.

This is a SaaS offering, enabling a CRO or external partner to work on a collaboration project within a customer's E-WorkBook environment. This new way of collaborating enables an administrator in E-WorkBook to quickly set up collaboration groups to work in, leveraging a new administration capability within the E-WorkBook user interface to manage the collaboration members.

With E-WorkBook **Collaboration**, you can:



COLLABORATION

- Create a specific 'External Collaborator' user type which will ensure your collaborators have the right level of access to your E-WorkBook
- Easily coordinate tasks and maintain oversight of multiple external projects
- Save time and end the need to transfer collaboration data
- Create secure workspaces and invite E-WorkBook users to collaborate.



REQUEST

E-WorkBook REQUEST

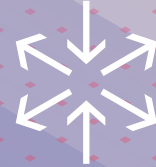


E-WorkBook Request enables teams to prioritize, schedule and fulfill complex, multi-step internal and external work requests, ensuring everything is completed on time and in the right order.

Efficient research and development operations require the coordination of disparate business units, resources and timelines. E-WorkBook Request removes these challenges by enabling simple or multi-step work requests to be raised easily and in real time.

Internal or external service teams can **prioritize, schedule and fulfill these work requests** on time and in the right sequence. Work progress can be tracked simply via dashboards, notifications and via one-click status updates from within an experiment.

With E-WorkBook **Request**, you can:



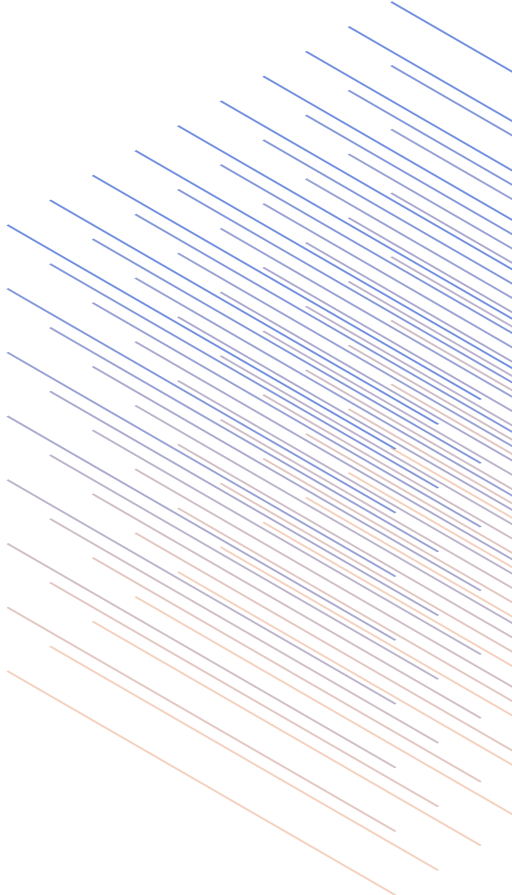
REQUEST

- Raise, track and fulfill work across diverse organizations
- Remove the need for complex, custom integrations between ELNs, LES, LIMS and other tools
- Track work and experiments from different projects using dedicated dashboards in just a single click
- Receive, schedule and fulfill work via dedicated web-based interfaces and optionally via email notifications
- Raise one or multiple work requests from within E-WorkBook, which enables routine workflows to be accomplished with ease.

Key
FEATURES



IDBS E-WorkBook





E-WorkBook ELN

- Create experiments and basic content (text, images, links, docs)
- Templates and placeholders
- Tag and comment
- Sign off and review including multi-step workflows
- Create and sign PDFs
- Version management (draft and version saves)
- File import
- Basic and advanced search
- Configurable organizational structural hierarchy
- Managed filesets (large file store)
- Landing pages
- Activity homepage
- Auditing and trail viewer
- Print to E-WorkBook



E-WorkBook ADVANCE

- Core spreadsheet (formula, tables, charts, canvases)
- DataLink (Oracle, SQL server)
- Instrument reader (TCP/IP listening)
- Label printing (bartender support)
- Scientific Results Database (BRD)
- Embedded spreadsheet queries
- Generic transform
- Curve fitting (fit calculation, statistics, charts)
- Smart fill (read and write data to hierarchy entities)
- Knockouts (on data, fit charts and automatic)



E-WorkBook CHEMISTRY

- Chemistry (molecule)
- Stoichiometry
- Parallel synthesis
- Chemistry lookup
- Integration to chemical registration systems
- Integration with third party chemical drawing tools (ChemDraw, BioviaDraw and MarvinSketch)
- Legacy molecule translation script
- ActivityBase integration



E-WorkBook INVENTORY

- Sample management
- Lab materials
- Equipment management
- Genealogy
- Experimental usage and tracking



E-WorkBook INTEGRATIONS

- Biomolecule rendering and editing
- Integrations with biomolecule registration systems, CDS, DMS, lab instruments, label printer, catalog populator and database polling application
- Support for standard file formats (HELM, FASTA, GenBank)



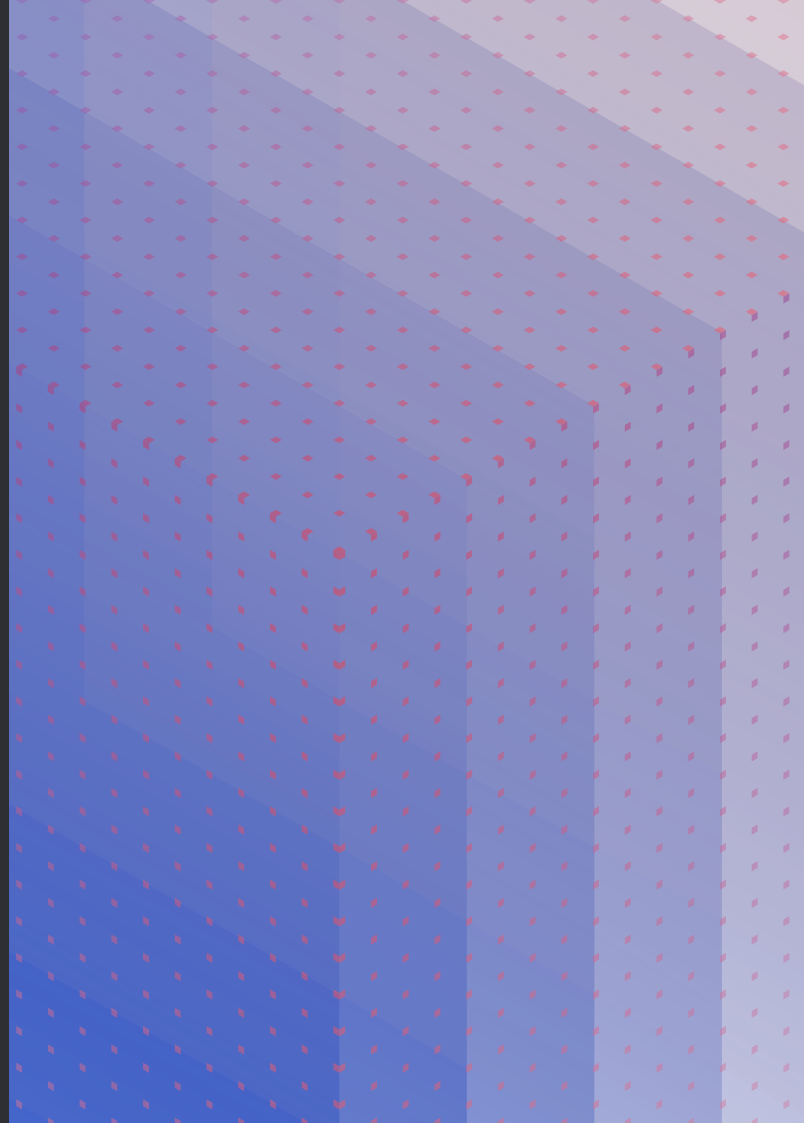
E-WorkBook COLLABORATION

- Data capture
- Innovation space
- Job management



E-WorkBook REQUEST

- Raise, track & fulfill work
- Email notifications
- Raise work from within E-WorkBook
- Work and experiment tracking dashboards
- Works with both internal and external partners





About IDBS

IDBS helps BioPharmaceutical organizations accelerate the discovery, development and manufacturing of life-changing therapies that advance human health worldwide. From lab through manufacturing, IDBS leverages its 30+ years of experience working with a diverse list of customers – including 18 of the top 20 global BioPharma companies – and deep expertise in scientific informatics and process data management to tackle today's most complex challenges. Known for its signature IDBS E-WorkBook product, IDBS has extended solutions across the entire value chain for BioPharma Lifecycle Management (BPLM). Built on analytics-centric and cloud-native technology, IDBS Polar and Skyland PIMS platforms are powered by a digital data backbone to drive faster and smarter decisions in drug development and across the supply chain.

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