

Accelerating time to insight within the BioPharmaceutical lifecycle

Whether you are striving to optimize processes, understand the performance of your equipment, or looking to transform the way you work with model-based insights, poorly contextualized and siloed data is holding you back.

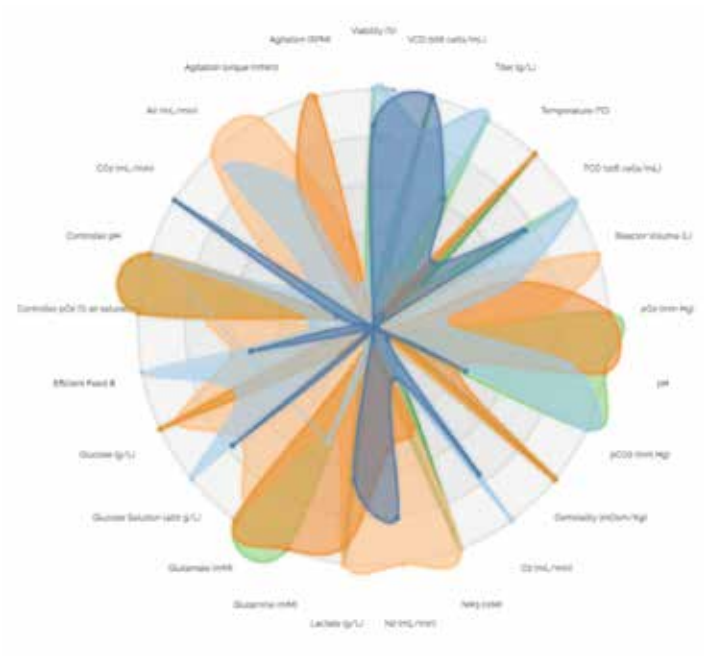
Navigating this data complexity typically requires specialist IT tools and/or data science teams who spend upwards of 80%¹ of their time cleansing and aligning data, slowing your path to insight and locking up valuable resources.

What is Polar Insight?

Polar Insight accelerates analytics-powered decision making within the BioPharma lifecycle. With embedded AI/ML and visual analytics, Polar Insight aligns with digital workflows and seamless data capture from your equipment, instruments and systems.

- Design, run and analyze experiments and processes in a single digital platform for end-to-end visibility, traceability and effective optimization.
- Eliminate cumbersome and time-consuming manual alignment and data integrity risks from import/export of data sets.
- Reduce reliance on specialist analytics tools and/or data scientists.
- Unlock much-needed capacity and focus resources on activities with the greatest impact on quality and performance

¹ IDBS Customer feedback



- Democratize insight with easy-to-use analytics
- Remove data cleansing bottlenecks
- Manage workflow and advanced analytics in a single platform
- Focus resources on critical areas to improve quality and performance



Polar Insight includes:

Design of Experiments (DoE)	Design, run and analyze DoE studies in a single platform. Simplify the complexity of DoE with intuitive study design and analysis, making it easy to identify critical process parameters and feed the results of your DoE directly into your experiment workflows.
Multivariate Analysis (MVA)	Understand the root causes of process variability and gain insights to design effective process monitoring and control strategies to ensure product quality.
Cell Line Genealogy	Quickly uncover the history of a cell culture and understand relationships between cultures at any point, including extended lineages and availability.
Bioreactor Comparison	Interactive visualization and monitoring of all bioreactor runs within a campaign including control parameters, process variables and quality attributes.
Bioreactor Data Export	Easily select and export bioreactor data for analysis in other applications (Minitab, Excel, JMP, etc.).
Equipment Management Dashboard	View all scheduled calibration and maintenance events in a single calendar, making it easier to plan tasks and improve lab efficiency.
Project Tracking Dashboard	Track project progress and share deadlines. Enable project leads to identify bottlenecks and take corrective action, increasing efficiency and collaboration.

The screenshot displays the Polar Insight software interface with a blue header bar containing the logo and navigation icons. The main content area is a grid of eight dashboard tiles:

- DoE2:** A 3D scatter plot with axes for Temperature, Pressure, and another unlabeled axis.
- Project Tracking Dashboard:** A calendar-style view with various colored icons representing different project tasks and statuses.
- Cell Line Genealogy:** A hierarchical tree diagram showing the lineage of cell cultures.
- MVA:** A map of Europe with data points overlaid, and a line graph showing trends over time.
- Equipment Management Dashboard:** A table with columns for ID, UNIT NAME, EQUIPMENT TYPE, OWNER, LOCATION, MAINTENANCE TYPE, LAST MAINTENANCE DATE, and ADDITIONAL COMMENT.
- DoE:** A 3D scatter plot similar to the DoE2 tile.
- Bioreactor Comparison:** A circular radar chart comparing multiple bioreactor runs across several parameters.
- Bioreactor Data Export:** A data export interface with a table of bioreactor data and a 'Download' button.

Looking for additional insight? Talk to us about upcoming additions.

