VELSSON
AN INNOVEL COMPANY

avantor ScienceCentral™ | ORDER ON avantorsciences.com

Smart Laboratory Management System

By leveraging SLMS, a rapid transition from manual processes to digitalization is facilitated, resulting in a remarkable leap in quality. The system demonstrates great agility, adapting to the swift advancements in industry research, thereby enabling highly efficient collaboration among individuals while ensuring effective coordination of existing facilities, equipment, and personnel. This liberation from intensive labor empowers researchers to focus on more critical tasks. Furthermore, the system effectively breaks down the physical barriers within the laboratory, enhancing the efficiency and productivity of both the existing laboratory and production facilities.

avantor ScienceCentral™ avantorsciences.com

Any prices, product, and/or services details are current when published and subject to change. Offers subject to product availability. Void where prohibited by law or company policy. Any claims concerning products manufactured by third parties are the sole claims of the manufacturer and not those of Avantor or its affiliates. All products are subject to the terms and conditions of sale of Avantor or its affiliates, including the applicable limitations of liability contained therein. The information herein should not be considered a warranty of any kind. Please carefully review any product information sheets and safety information for the product. Trademarks are owned by Avantor, Inc. or its affiliates, unless otherwise noted. | Visit **vwr.com avantorsciences.com** to view our privacy policy and additional disclaimers. © 2025 Avantor, Inc. All rights reserved.

Laboratory layout

The software system enables the modeling and construction of laboratory equipment and key areas' layout. This user-friendly solution ensures that users can easily access the relevant information.

Equipment data management

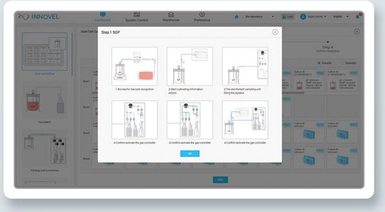
Equipment data is recorded by laboratory personnel and undergoes statistical analysis and comparison within SLMS.

Process management

The transition from manual paper-based operations to guided standardized processes facilitates rapid development.

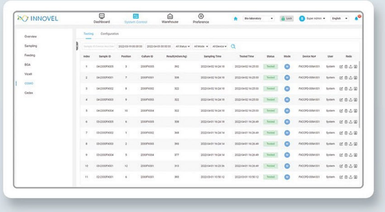
Production batch monitoring

Users can easily access comprehensive lifecycle data and audit trails for production batches, allowing them to have a clear view of equipment and environmental statuses.



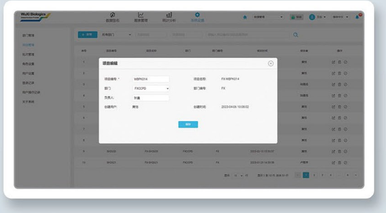
Process guidance

Customized graphical process guidance is provided to ensure users can easily navigate and meet their daily operational needs.



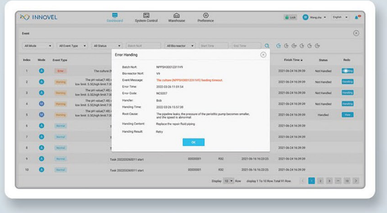
Testing management and analysis.

Smart test devices facilitate sample deployment and offline data capture analysis, while providing standard data interfaces.



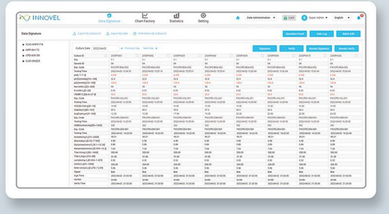
Project management

Efficiently and quickly allocate workloads for personnel and optimize equipment productivity based on their availability and capacity.



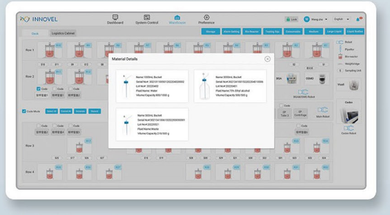
Exception management

Complete operation records, comprehensive alarm database, and error resolution solutions assist users in handling exceptions and restoring production.



Data auditing

Effective permission control and batch control, along with data review, upload, signing, auditing, graphing, and archiving, fulfill audit requirements.



Material inventory management

Ensuring the circulation, safekeeping, and storage of materials within the laboratory, as well as timely replenishment of consumables.

Laboratory statistical analysis

The system allows for the traceability of massive amounts of data, providing statistical analysis, in-depth data mining, and facilitating laboratory forecasting and partial planning work.