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Dedalus
HEALTHCARE SYSTEMS GROUP

HALIA

Powerful Lab Automation

www.dedalus.eu

THE CONTEXT

The reality of modern test laboratories is defined by specific developments impacting the "laboratory system", understood as an array of LIS systems and automations which casts both components apart, driving them along different evolution paths. Currently, LIS-typical functionalities and system automation functionalities are clearly diverse and instrument middleware systems aim to reconnect these two separate worlds.

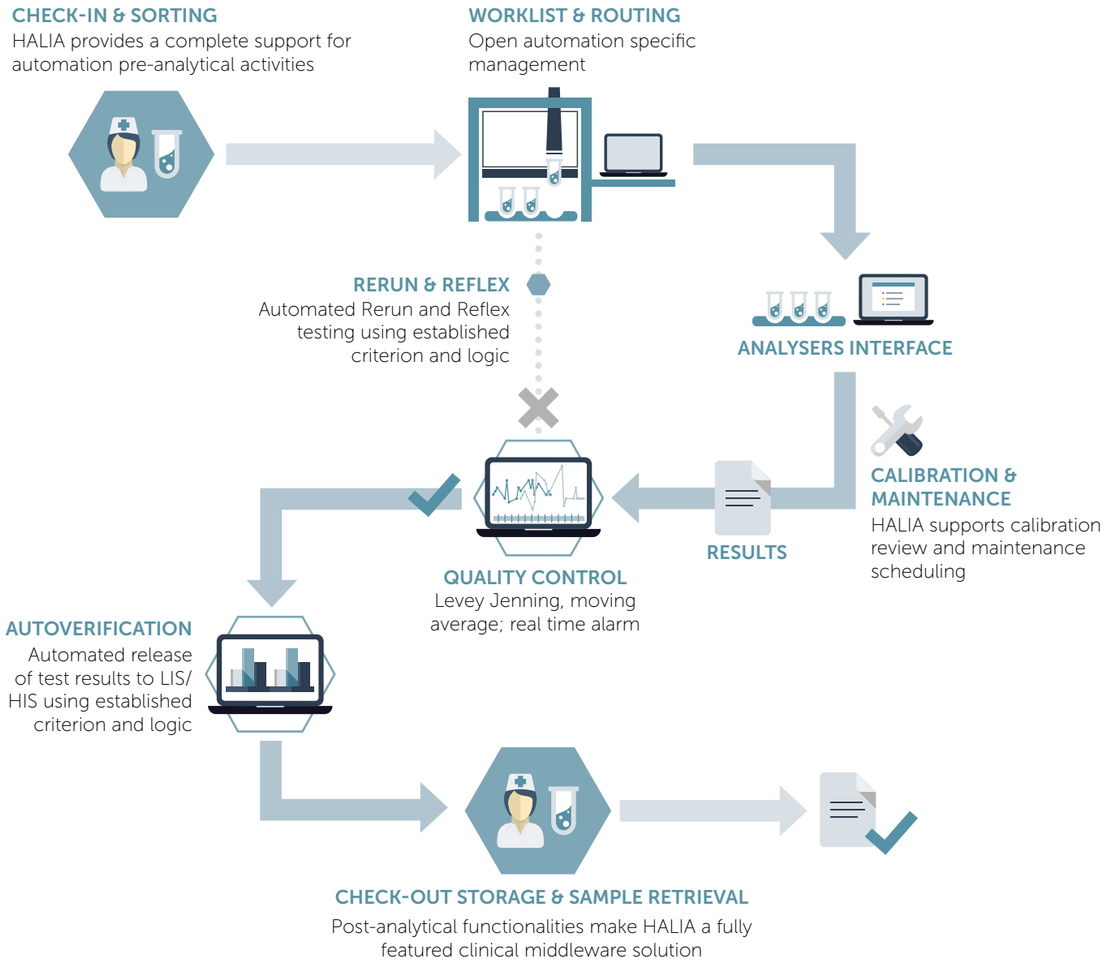
THE SOLUTION

HALIA is a Dedalus Group solution in instrument middleware; it completes laboratory computerisation and connects Laboratory Automation and LIS (Laboratory Information System).

HALIA enables the management of all pre-test, test, and post-test laboratory instruments centrally, facilitating overall control of processes and ensuring an all-encompassing solution to the connectivity demands of modern test laboratories.

HALIA provides a complete vision of overall laboratory automation, inclusive of all platforms within the enterprise, regardless of location. The web interface also allows management of individual instruments and monitoring of instrument status by means of a drill-down menu, aside from verifying Turn-around Time (TAT) and sample status.

HALIA is equipped with an expert system based on an inference find motor, which is dedicated to evaluating completely configurable rules. The rules engine supports the auto-verification, rerun, reflex, sample routing, load balancing and real time QCS automatic functionalities.



HALIA THE SOLUTION - Haematology Module

Haematology Module

THE CONTEXT

Haematology Laboratories cover a highly-specialised field, demanding dedicated solutions. For this reason, the specificities of the workflow correspond to information systems not fully-integrated within the Laboratory workflow and middleware. Software designed for Haematology does not always allow a user to directly access the patient diagnostic record from other laboratory departments as it typically offers sets of distinct functionalities.

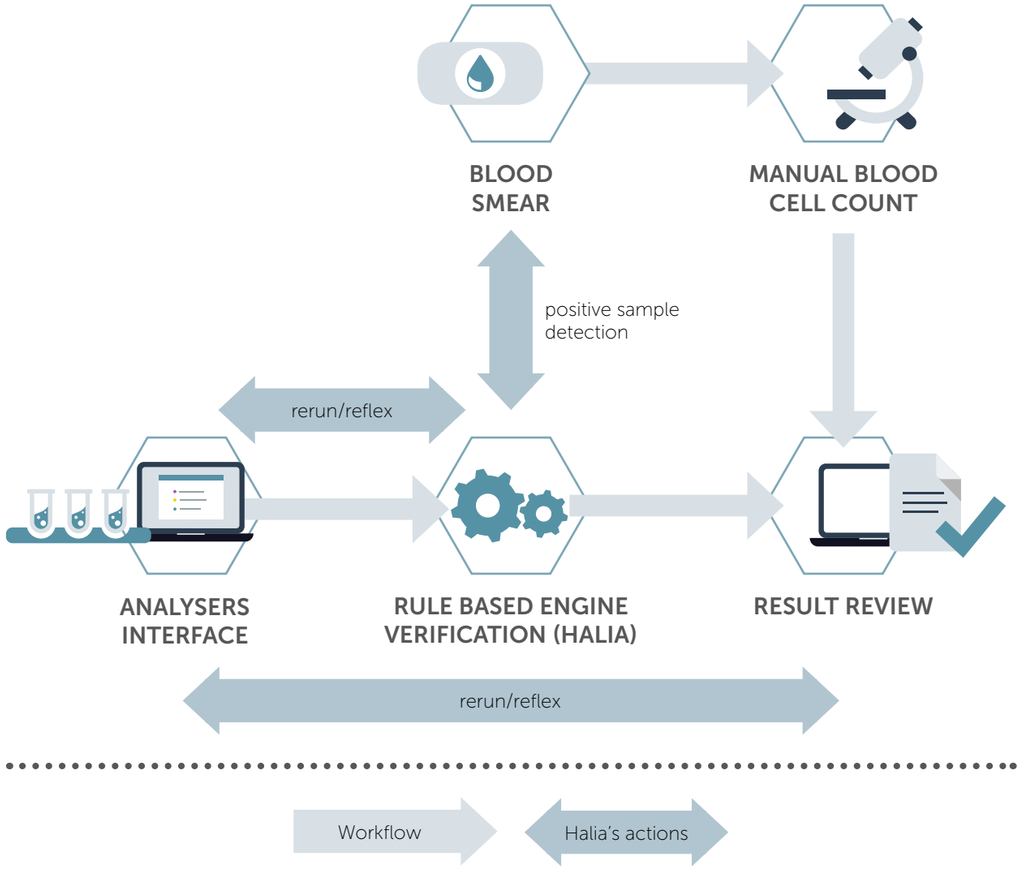
THE SOLUTION

HALIA Haematology is an innovative Dedalus Group module created to meet the demands of haematologists via the HALIA Clinical Laboratory Middleware.
HALIA's flexibility enables effective management of all pre-analytic, analytic and post-analytic workflows inside your lab.

BENEFITS

HALIA Haematology:

- supports each step of the haematology workflow
- guarantees control, allowing the user to gain lab space when cutting workstations
- provides complete multisite management



STRENGTHS

Patient Safety
Fully-fledged auto verification and real time quality control reduces errors and improves laboratory quality

Performance
Real time Turn-around Time and workload monitoring optimises performance

Consolidation
Multi-LIS connectivity and vendor-neutral analyser integration make HALIA the ideal laboratory consolidation companion

Optimisation
All-around workflow management improves laboratory staff efficiency

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