



ENABLE GREATER COLLABORATION AND DATA REUSABILITY IN LIFE SCIENCES LABORATORIES

LABORATORY TRANSFORMATION SERVICES

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ARE YOUR LABORATORIES UP TO THE CHALLENGE?

Laboratories face pressing demands for enhanced productivity, faster time-to-market and increasingly complex products and manufacturing methods.

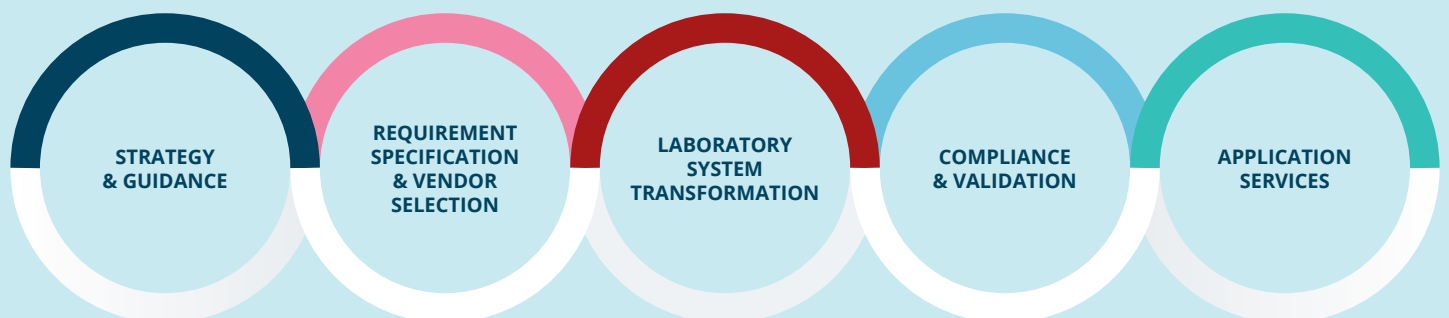
A growing variation in data sources, more experimental procedures and a heightened demand for collaboration calls for strategic investments in digitalization and transformation of labs in the life sciences value chain.

Barriers to overcome

When modernizing labs to overcome fragmented and isolated laboratory data, limited collaboration capabilities, and unfocused investments, common barriers are:

- **Disconnected strategies:** A lack of alignment between Research, CMC, MSAT, and Manufacturing hampers collaboration and effective knowledge and data transfer.
- **Rapid technological changes:** Frequent updates in equipment, knowledge, and techniques require continuous learning and adaptation.
- **Limited local digitalization:** Local digital initiatives fail to consider the entire value chain, hindering efficient data capture, and cross-collaboration.
- **Fragmented user experiences:** Users often serve as manual interfaces between disparate systems, hindering data management and transformation processes.
- **Trapped data:** Valuable datasets are often trapped in presentations or PDFs, instead of being readily available as FAIR (Findable, Accessible, Interoperable, Reusable) datasets.
- **Integration of legacy equipment:** In new lab setups and equipment purchases, data management and connectivity requirements are often overlooked or deprioritized.

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At NNIT, we offer:

- **Strategic digitalization** support for both non-GxP and GxP laboratory processes.
- **Expert consultation** on the IT and Lab Automation (OT) landscapes.
- **Solution support** including requirement specification, business case definition, and vendor selection.
- **Implementation assistance** including Project Management, Business Analysis, Master Data Design, Acceptance Testing, and GxP Validation.
- **Change management expertise** and robust support for managing transitions, ensuring smooth adaptation to new processes and technologies.
- **Digital lifecycle management** including ongoing support services like Application and Integrations Management and Master Data Management.



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We make a mark

About NNIT

We are an international digital consultancy specializing in life sciences and the public sector. Our team of leading industry subject-matter experts and technology consultants help you empower those who change lives – and make a mark.



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