

Thermo Fisher S C I E N T I F I C

Digital Science: Scaling from pilot to production through orchestrated collaboration

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Market themes lead our vision

Through our customer engagements

Rapidly adopting new data platforms, automation, connected instruments, SaaS and AI... in a complex IT environment.

Building custom solutions for connectivity, collaboration, and data integration... but facing cost, maintenance, user experience, and scaled adoption challenges.

FAIR data, data reuse, AI and AI-first partnerships on top of everyone's minds...yet continue to have scientists investing far too much time generating value from data.



'Simplification of the laboratory IT environment to Accelerate Science and Drive Productivity are priority investment areas over the coming 12-24 months.'

The unified scientific ecosystem

Unlocks data

Automates tasks

Leverages history

Accelerates you

Must be Yours Open Integrated **Evolving**

Thermo Fishei

Industry-leading offerings

Connecting the digital and the physical

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Phased impact of digital orchestration





Platform approach

Orchestration, enabling scientists to do more science

Strategic Pillars



Scientific Orchestration

Integrating the physical and digital world by enabling **automation**, eliminating **repetitive tasks**, and providing scaled **flexibility**, allowing organizations to do more with their people, equipment, and facilities.



Digital Insights

Bridging concepts of FAIR data with advanced analytics, visualizations and comprehensive observability to enable scientific research organizations, to more rapidly deliver viable molecules into development and manufacturing.

Focus Use Cases

- Workflow & Process Automation
- Robotics Integration & Execution
- Task & Resource Management

Data Interrogation & Provenance

- Review by Exception & Anomaly Detection
- Resource Planning & Predictions

Unified Experiences Laboratory Operations (i.e., "Control Tower")
Tech Transfer (intra-, and inter-organization)
Process Automation Technology (PAT)

Thermo Fisher[™] Connect Platform, Enterprise Edition

Product capability map

	Interfaces & experiences				Al enablement		
	Layout Designer	Global UI/UX [Design Cust	omizable UX	Apps	Search + Results	Data Viewer
Integration	Core capabilities					Analytical Data Store	External Data Access - FAIR (API)
Connectors API Portal	Workflows	Transform	Data Module	Operational Data Store	Data Services	Context Viewer	Al Data Converter
Connect (File) Transfer	Data Operations	Reporting	Scheduling	Data Analysis	Archival*	Reference Data	Jupyter Notebook
Edge	Platform					Ontology Generator	Advanced Analytics
Momentum Connect Edge	Notifications	System Preferences	E-Signatures	Platform Audit Trail	End-to-End Audit Trail	Data Augmentation	Self-Service Analytics
Connect Control Edge Compute*	Services Integration E-Commerce Integration Management Message Bus						
	Security	Resiliency & Automation	Performance Monitoring	Lifecycle Management	Global Deployment		

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SCLEN

The scope for the 'Lab of the Future'

An illustrative model



The collaboration journey



need, and engaged sponsors

Review progress, celebrate wins, plan for next steps...

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Engagement of a different kind

Achieving big goals requires a new approach

Starting with partnership, clear goals and accountability enables everyone to contribute to success. Let's accelerate science together.



Thank you

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