

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all made possible by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 120 years of experience and 18,000 patents globally. Through the dedication of more than 50,000 colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

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Atellica Process Manager

Do more than control processes. Optimize them.

[siemens-healthineers.com/atellica-pm](https://www.siemens-healthineers.com/atellica-pm)



Laboratories seek cost savings and process efficiency

With an increasing focus on making healthcare more affordable, every area of the healthcare system is being tasked with implementing improvements that will lead to increased productivity and cost savings.

Because laboratories often lack concrete performance metrics that detail their system, reagent, and automation efficiency, it can be challenging to identify underlying inefficiencies. For laboratory networks and multisite healthcare organizations, it is even more complex to uncover and correct the errors that are costing time and money.

Goals	Obstacles	Solution: Atellica Process Manager	
Deliver faster, more consistent TAT	Poor visibility into problem samples	User-defined TAT rules and alerts on at-risk samples enable transparent and predictable turnaround times.	Control
Increase workforce productivity	Operation and instrument oversight keeps skilled staff from value-added tasks	Centralized dashboard provides real-time, customized alerts, reducing hands-on time and enabling staff to focus on higher-priority tasks.	
Reduce errors	Difficulty identifying pre-analytical sample errors	Advanced analytics uncover sources of pre-analytical errors, enabling discrepancies to be determined and corrected.	Simplicity
Standardize and optimize clinical operations	Difficulty tracking and assessing KPIs	Customizable performance reports enable labs to baseline, track, and determine process improvements.	
		Unstandardized processes	Built-in analytics and business intelligence capabilities help to uncover inefficiencies, enabling quick implementation of changes.

Atellica Portfolio of Laboratory Products

Engineered by Siemens Healthineers to deliver control and simplicity so you can drive better outcomes.

Tighter control of your lab, simplified workflow, and more time to focus on driving better business and clinical outcomes—that's the promise of our Atellica® portfolio of laboratory products.

Control.
Simplicity.
Better Outcomes.

A new level of insight through digitalization

Atellica® Process Manager is a testament to Siemens Healthineers commitment to digitalize healthcare and enable healthcare providers to achieve better outcomes at lower cost. With Atellica Process Manager, we help you do more than control processes—we help you uncover inefficiencies and standardize operations to save time and money. Based on our leadership in laboratory automation and a wealth of knowledge gained over 20 years of workflow consultations, Atellica Process Manager was designed to optimize clinical operations in laboratories throughout the world.

With insight from labs like yours, we've designed and included more than 10 high-value reports—including reagent efficiency, alert history, automation utilization, and more—as a standard feature. Plus, unlike other off-the-shelf software solutions, Atellica Process Manager offers seamless integration with your lab's data-management system to immediately unify data files from connected systems and automation. The combination of immediate access to data and preprogrammed standard reports provides labs rapid insight into workflow inefficiencies and the ability to take swift action to implement improvements.

"With the new business intelligence-style analytics tool, I can easily investigate problematic samples or tests that originated from certain wards. Earlier, we got errors and we knew where we got the samples from, but we did not have the tool needed to combine this information by ourselves."

Tarja Puolakanaho,
Chemist,
NordLab

Baseline:
Determine your current performance levels.



Identify:
Pinpoint inefficiencies in workflow, including pre- and post-analytics.

Measure:
Analyze performance metrics to determine if KPIs have been met or additional improvements are required.



Optimize:
Correct inefficiencies, such as rebalancing your system workloads.

From process control to process optimization

“As a supervisor, Atellica Process Manager helped me understand and reassess the department’s workflow and improve upon it. Based on data I gather from the analytics report, it has helped me standardize workflow [and] monitor and achieve our TAT goal.”

Jonathan Sy Tan, MLS(ASCP)^{CM}SCCM, Chemistry and Immunochemistry Testing Supervisor, Columbus Regional Health



Standardize and optimize clinical operations through built-in analytics and business intelligence capabilities.

- Increase productivity by balancing tests among connected systems with detailed automation utilization and system reports.
- Track the productivity of both automated and stand-alone systems throughout your laboratory network with customizable performance reports.
- Identify trends by reviewing throughput and exception details by test, time, and patient location.
- Ensure sufficient onboard inventory is available for testing with low-reagent and low-consumable alerts.

Identify and resolve problems with intelligent and customizable analytics.

- Gain immediate access to a library of standard reports and uncover inefficiencies so you can implement change quickly.
- Develop customized reports based on metrics that you define, with reports that you specify.
- Identify and resolve sample errors that occur in the pre-analytic, analytic, and post-analytic stages with advanced performance metrics.
- Generate reports in real time without having to export data to another platform.

Increase workforce productivity with a centralized dashboard for operational oversight.

- Control all systems, view reagent levels, and review testing progress from one screen.
- Access color-coded alerts and sample details in the lab or remotely via any network client workstation.
- View the real-time process status of automation, IT, and connected instruments with customized alerts, reducing hands-on time and enabling staff to focus on higher-priority tasks.
- Configure your individual lab’s layout—including zones to view different laboratories, locations, or sites, if desired—on our proprietary, intuitive 3-D control panel screen.

Deliver transparent and predictable turnaround times through the implementation of rules and at-risk sample alerts.

- Implement test-specific TAT rules and receive alerts for samples before they exceed your lab’s TAT targets.
- Manage priority samples (e.g., STAT samples) and turnaround-time exceptions to deliver predictable turnaround times.
- Customize alerts, dashboards, and priority sample rules to accommodate your workflow needs.
- Measure TAT performance with reports that help you gain transparency into your operations.

Technical specifications

Performance metrics	
Testing volume	Up to 1,000,000 tests/day with 1-year data retention, or up to 100,000 tests/day with 2-year data retention. Peak of 150,000 tests/hour.
Automation and IT requirements	
Labs with automation	Aptio® Automation with Data Management System (DMS), FlexLab® with DMS, or Aptio Automation with Atellica® Data Manager
Labs without automation	Atellica Data Manager
Supported interfaces	
Chemistry systems	Atellica® CH 930 Analyzer ADVIA® Chemistry XPT System ADVIA® 2400 Clinical Chemistry System ADVIA 1800 Clinical Chemistry System
Immunoassay systems	Atellica® IM 1300 Analyzer Atellica IM 1600 Analyzer ADVIA Centaur® XPT Immunoassay System ADVIA Centaur XP Immunoassay System IMMULITE® 2000 XPI Immunoassay System IMMULITE 2000 Immunoassay System
Integrated systems	Atellica® Solution Dimension Vista® 500 Intelligent Lab System Dimension Vista 1500 Intelligent Lab System Dimension® EXL™ 200 Integrated Chemistry System Dimension EXL with LM Integrated Chemistry System
Hematology	ADVIA® 2120i System with or without Autoslide*
Hemostasis	Atellica® COAG 360 System*,† Sysmex® CS-2500 System* Sysmex® CS-5100 System*
Plasma Proteins	Atellica® NEPH 630 System† BN™ II System*
Urinalysis	Atellica® 1500 Automated Urinalysis System*,†
Other	LIS Third-party systems*,‡ VersaCell® System

Remote control ¹	
Remote control from the Atellica Process Manager client to any connected device that supports i2i (Siemens Healthineers instruments), VNC (remote-control protocol), or Remote Desktop (part of Microsoft Windows OS)	
Language support	
User interface	Brazilian Portuguese, English, French, German, Italian, Japanese, Simplified Chinese, and Spanish
Security	
Management of security roles and privileges	
Permission-based authorization of service operations	
Virtualization	
The Atellica Process Manager software supports virtualized servers running MICROSOFT Hyper-V and VMware vSphere hypervisors with the specifications below, or by the respective providers of virtualized server software.	
Hardware requirements	
Atellica Process Manager Server requirements	
Component	Minimum
CPU	INTEL XEON Family 64-bit, 4-core server-class processor [§]
Memory (RAM)	8 GB
Hard drive space	60 GB (noncompressed)
Network adapter	100 Mbps Ethernet adapter or higher
DVD-ROM drive	Required for installation
Data Router Server requirements	
Component	Minimum
CPU	INTEL XEON Family 64-bit, 4-core server-class processor [§]
Memory (RAM)	8 GB
Hard drive space	200 GB (noncompressed)
Network adapter	100 Mbps Ethernet adapter or higher
DVD-ROM drive	Required for installation

¹ Functionality currently excludes real-time reagent status and real-time alerts. Remote system view and control features have not been validated and may not be supported.

[†] Not available for sale in the U.S.

[‡] Instruments require virtual network computing (VNC) or Remote Desktop capability. Not available on all systems.

[§] Cores represent the number of independent CPUs in a single chip. Hyper-threading must be enabled.

^{**} If using SQL Express, a Siemens Healthineers Atellica Process Manager Specialist must set the Sample and Result Data purge to a maximum value of 5 million divided by daily test or sample volume.

Analytics Server requirements	
Component	Minimum
CPU	INTEL XEON Family 64-bit, 4-core server-class processor [§]
Memory (RAM)	64 GB for volumes up to 100,000 tests/day 320 GB for volumes up to 1,000,000 tests/day
Hard drive space	500 GB (noncompressed); C: 100 GB containing operating system; D: 400 GB containing analytics share and data folders
Network adapter	100 Mbps Ethernet adapter or higher
DVD-ROM drive	Required for installation
SQL Server system requirements	
Component	Minimum
CPU	INTEL XEON Family 64-bit, 4-core server-class processor [§]
Memory (RAM)	24 GB
Hard drive space	280 GB (noncompressed); recommend placing the SQL Server data file and SQL Server log file on separate drives (for example C: 60 GB containing operating system; D: 200 GB containing SQL data file; E: 20 GB containing SQL log file)
Network adapter	100 Mbps Ethernet adapter or higher
Client requirements	
Component	Minimum
CPU	64-bit, multi-core processor, such as INTEL CORE i5 family or equivalent
Memory (RAM)	4 GB available memory
Hard drive space	2 GB available space (noncompressed)
Graphics	Resolution 1920 x 1080; INTEL HD Graphics 530 Desktop or equivalent
Network adapter	100 Mbps Ethernet adapter or higher
Keyboard and mouse	Required
DVD-ROM drive	Required for installation

Software requirements	
Atellica Process Manager Server software requirements	
Software	Minimum
Operating system	MICROSOFT WINDOWS Server 2012 R2 Standard SP1; 64-bit MICROSOFT WINDOWS Server 2016 Standard; 64-bit
SQL Server software requirements	
Software	Minimum
Operating system	MICROSOFT WINDOWS Server 2012 R2 Standard SP1; 64-bit MICROSOFT WINDOWS Server 2016 Standard; 64-bit
SQL Server	SQL Server 2012 Standard SP3; 64-bit SQL Server 2014 Standard SP2; 64-bit SQL Server 2016 Standard; 64-bit SQL Server 2017 Standard; 64-bit SQL Server 2017 Express; 64-bit**
Atellica Process Manager Client software requirements	
Software	Minimum
Operating system	MICROSOFT WINDOWS 7 SP1; 64-bit, Professional, Enterprise, or Ultimate MICROSOFT WINDOWS 10; 64-bit, Professional or Enterprise
Internet browser	Internet Explorer 11 or later
Data Router Server software requirements	
Software	Minimum
Operating system	MICROSOFT WINDOWS Server 2012 R2 Standard SP1; 64-bit MICROSOFT WINDOWS Server 2016 Standard; 64-bit
Internet browser	GOOGLE CHROME v64 or higher
Analytics Server software requirements	
Software	Minimum
Operating system	MICROSOFT WINDOWS Server 2012 R2 Standard SP1; 64-bit MICROSOFT WINDOWS Server 2016 Standard; 64-bit
Internet browser	Internet Explorer 11 or later
Software version	
Version 2.1, SP3	

To learn more about how Atellica Process Manager can help you achieve better outcomes at lower costs, please contact your local Siemens Healthineers account representative today.