Atellica Process Manager

Do more than control processes. Optimize them.

siemens-healthineers.com/atellica-pm

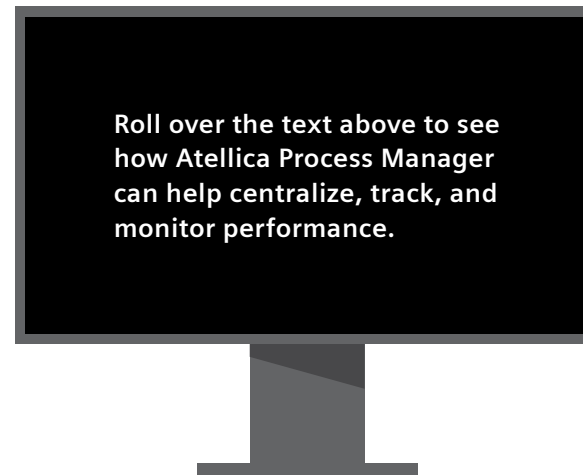**SIEMENS**
Healthineers
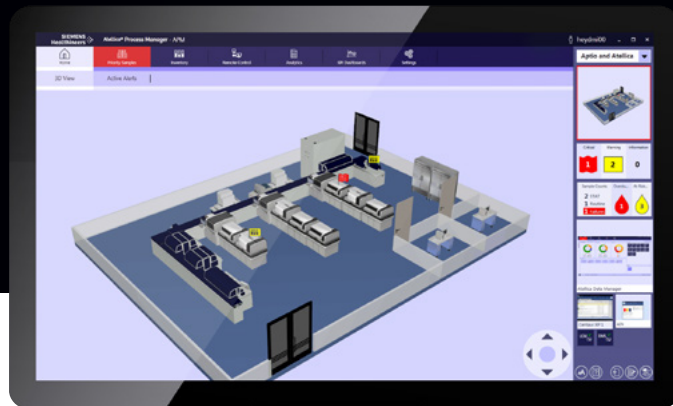
Walk less. Control more.

Atellica® Process Manager combines a centralized control center with built-in business analytics so labs can better control and optimize processes.

- Remotely control all systems, view reagent levels, and review testing progress from one screen.
- Implement test-specific turnaround time (TAT) rules and receive alerts for samples before they exceed your lab's TAT targets.
- Manage priority samples (e.g., STAT samples) and TAT exceptions to deliver predictable turnaround times.
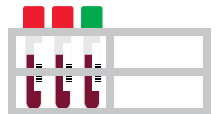- View the real-time process status of automation, IT, and connected instruments.

Quickly assess your lab or lab network's daily workload on a customizable key performance indicator (KPI) dashboard.
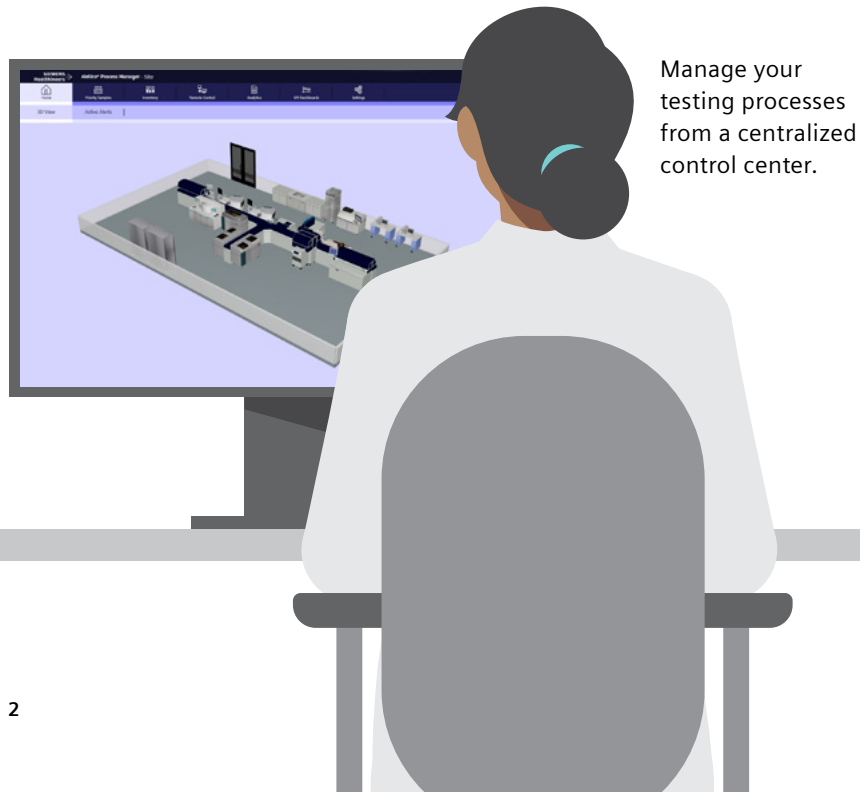
Manage your testing processes from a centralized control center.

Roll over the text above to see how Atellica Process Manager can help centralize, track, and monitor performance.

Customize your dashboard to include your most important KPIs.

Connect data. Enhance performance.

By consolidating and analyzing data from disparate sources, Atellica Process Manager can help you measure, monitor, and improve your lab's performance. With 15 out-of-the-box reports, you can gain deeper insight into workflow challenges and enhance performance.

- Investigate and improve turnaround time.
- Optimize staff, system, and reagent efficiency.
- Easily access historical operating information.
- Review processing workflow and solution analytics.

"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."
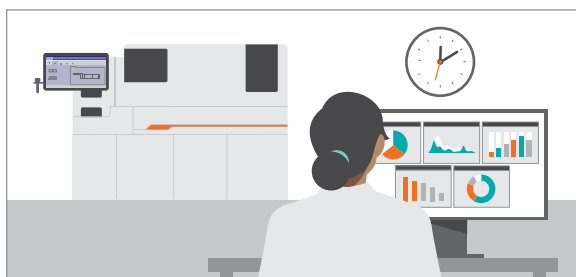
Tarja Puolakanaho
Chemist
NordLab

Set advanced KPI goals for continued improvement of clinical, financial, and operational performance.
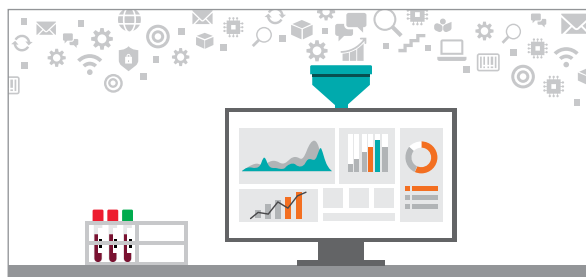
Know your data
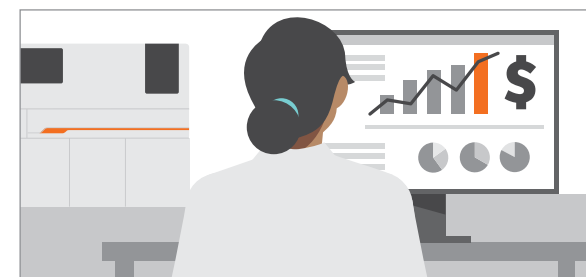Monitor real-time performance metrics, including throughput, repeat testing rates, and quality sample output.
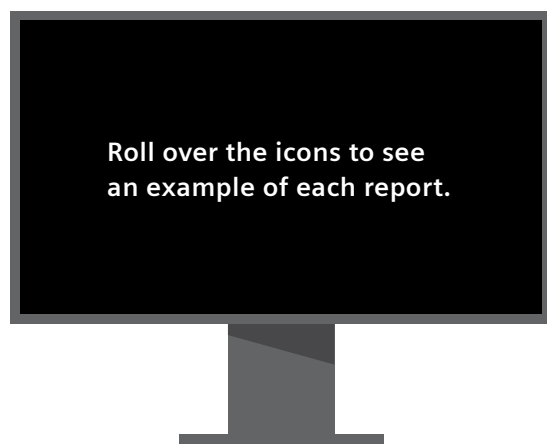
Plan your workflow
Use data to better allocate staffing and balance tests among connected systems.

Improve your performance
Investigate performance inefficiencies to gain operational insight. Determine error origins and implement process improvements to improve TAT and reduce reagent consumption.

Gain insight and optimize your workflow with 15 out-of-the-box reports

Roll over the icons to see an example of each report.

"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

Alert History
View resolved alerts, including date, type, severity, system, and notes.

Audit Log
Keep track of system and operator activities.

Automation Utilization
Assess use of automation modules and instrumentation to determine if testing workload needs to be redistributed.

Autovalidation
Review autovalidation averages, see time spent on manual review, or investigate on a test-by-test basis.

Problem Samples
Identify frequency and nature of sample problems to determine trends/root causes.

Reagent Efficiency
Optimize reagent utilization across your network with detailed reports on reportable tests, reruns, QC, and calibrations.

Sample Hemolysis
Investigate sample hemolysis by location to identify and correct inappropriate transportation or collection techniques.

Sample Processing
Review the effect front-loading and track-based sample centrifugation have on TAT to implement the most effective testing protocols.

Roll over the icons to see an example of each report.

Sample Throughput

Review sample throughput peaks to better balance distribution of testing workflow.

Staffing Model

Simulate staff workload and productivity to determine if reallocation of responsibilities is needed to maximize efficiency.

Test Throughput

Visualize metrics on resulted tests— by patient location, system, and more— to understand and improve performance.

Test Volume

Predict consumable and staffing needs by investigating test volumes by date, time, patient location, and more.

"The throughput report highlighted the inefficiency of running certain tests on duplicate systems. With this knowledge, we rebalanced system workload and implemented batch testing protocols, decreasing hands-on time and reagent, QC, and calibrator waste. These changes resulted in an annual consumable savings of $47,000, while also saving valuable technician time."

Virginia Martin
Chemistry Supervisor
Maine General Medical Center
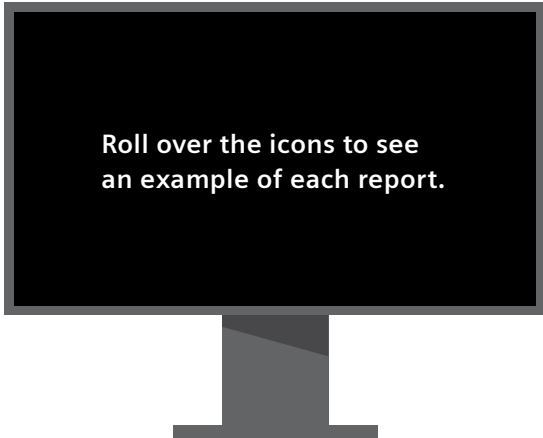
Turnaround Time Exceptions

Investigate tests that didn't meet TAT targets by system, patient location, date, and test priority.

Turnaround Time Statistics

Determine actual TAT per test with detailed statistics such as average, median, standard deviation, and more.

Uptime

Review system uptime by site, zone, or system to identify trends and potential maintenance issues.

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

Atellica® Connectivity Manager and Aptio® Automation with Data Management System (DMS), FlexLab® with DMS, or Aptio Automation with Atellica® Data Manager

Labs without automation

Atellica Connectivity Manager and Atellica Data Manager

Siemens Healthineers systems supported

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*
	Atellica® HEMA 570 System*†
	Atellica® HEMA 580 System*†
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
	VersaCell® System

Third-party systems supported*‡

Atellica Process Manager supports connectivity to the more than 700 device drivers available with Atellica Data Manager. Individual instrument protocols influence the level of system integration. Supported device drivers include systems from the following manufacturers:

Abbott	Dynex	Polymedco, Inc.
Adaltys	Eiken Chemical Co., LTD.	Roche
A.Menarini	Fujirebio§	RR Mechatronics§
ALIFAX	Grifols	Sebia
Arkray§	Helena Laboratories§	Seegene, Inc.
Beckman Coulter	Hologic	SERION Diagnostics
Benson Viscometers	IDS	Snibe§
BioMerieux	Inova Diagnostics	Stago
BioRad	Instrumentation Laboratory	Sysmex
Cellavision	Intellitec Healthcare IT Solutions	TECAN
Copan§	JEOL§	Thermo Fisher Scientific
DiaSorin	MIKROGEN Diagnostik	Tosoh
Diatron	NGNY Devices	Trinity Biotech
DIESSE§	Ortho Clinical Diagnostics	Waters Corporation

For a full list of supported instrument interfaces, please visit **siemens-healthineers.com/ADM-interfaces.**

Remote control‡

Remote control from the Atellica Process Manager client to any connected device that supports VNC (remote-control protocol) or Remote Desktop (part of Microsoft Windows OS)

Languages supported

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)	32 GB
Hard drive space	60 GB (noncompressed)
Network adapter	100 Mbps Ethernet adapter or higher

Analytics server requirements

Component	Minimum
CPU	INTEL XEON Family 64-bit, 8-core server-class processor**
Memory (RAM)	64 GB for volumes up to 100,000 tests/day 192 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

SQL Server system requirements

Component	Minimum
CPU	INTEL XEON Family 64-bit, 4-core server-class processor**
Memory (RAM)	32 GB
Hard drive space	60 GB containing operating system; 300 GB containing SQL data file; 40 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
Hard drive space	2 GB available space (noncompressed)
Graphics	Resolution 1920 x 1200; INTEL HD Graphics 530 Desktop or equivalent
Network adapter	100 Mbps Ethernet adapter or higher
Keyboard and mouse	Required

Software requirements

Atellica Process Manager server software requirements

Software	Minimum
Operating system	MICROSOFT WINDOWS Server 2019 R2 Standard SP1; 64-bit MICROSOFT WINDOWS Server 2016 Standard; 64-bit

SQL Server software requirements

Software	Minimum
Operating system	MICROSOFT WINDOWS Server 2019 R2 Standard SP1; 64-bit MICROSOFT WINDOWS Server 2016 Standard; 64-bit
SQL Server	SQL Server 2019 Standard SP3; 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 10; 64-bit, Professional or Enterprise
PDF Reader	ADOBE ACROBAT Reader X MICROSOFT EDGE; version 83 or higher

Analytics server software requirements

Software	Minimum
Operating system	MICROSOFT WINDOWS Server 2019 R2 Standard SP1; 64-bit MICROSOFT WINDOWS Server 2016 Standard; 64-bit
Internet browser	Internet Explorer 11 or later

Software version

Version 2.3

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.

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.
§Connectivity to third-party analyzers may not be available in all countries. Analyzer availability may vary by country, and connectivity will require manufacturer agreement.
* Please contact your local Siemens representative for further information.*
**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.

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. By constantly bringing breakthrough innovations to market, we enable healthcare professionals to deliver high-quality care, leading to the best possible outcome for patients.

Our portfolio, spanning from in-vitro and in-vivo diagnostics to image-guided therapy and innovative cancer care, is crucial for clinical decision-making and treatment pathways. With our strengths in patient twinning, precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the biggest challenges in healthcare. We will continue to build on these strengths to help fight the world's most threatening diseases, improving the quality of outcomes, and enabling access to care.

We are a team of 66,000 highly dedicated employees across more than 70 countries passionately pushing the boundaries of what's possible in healthcare to help improve people's lives around the world.