



**cobas<sup>®</sup> POC IT solutions**  
*Bringing it all together*





*“cobas® POC IT solutions are a very powerful tool. I can use it to look at how equipment is used. If there are any particular user issues, cobas IT 1000 application provides the evidence I need to target training and improve practice. This further contributes to enhance patient safety and improve patient care.”*

*Gillian Hall, Point of Care Manager  
Royal Free Hospital, London*

# Connected portfolio

## *Open connectivity at its best*

**cobas**<sup>®</sup> POC IT solutions are responsible for collecting results from POC devices that are distributed across a hospital, clinics or multiple hospitals. The **cobas IT 1000** application an **open connectivity** system that can connect with the full POC portfolio from Roche

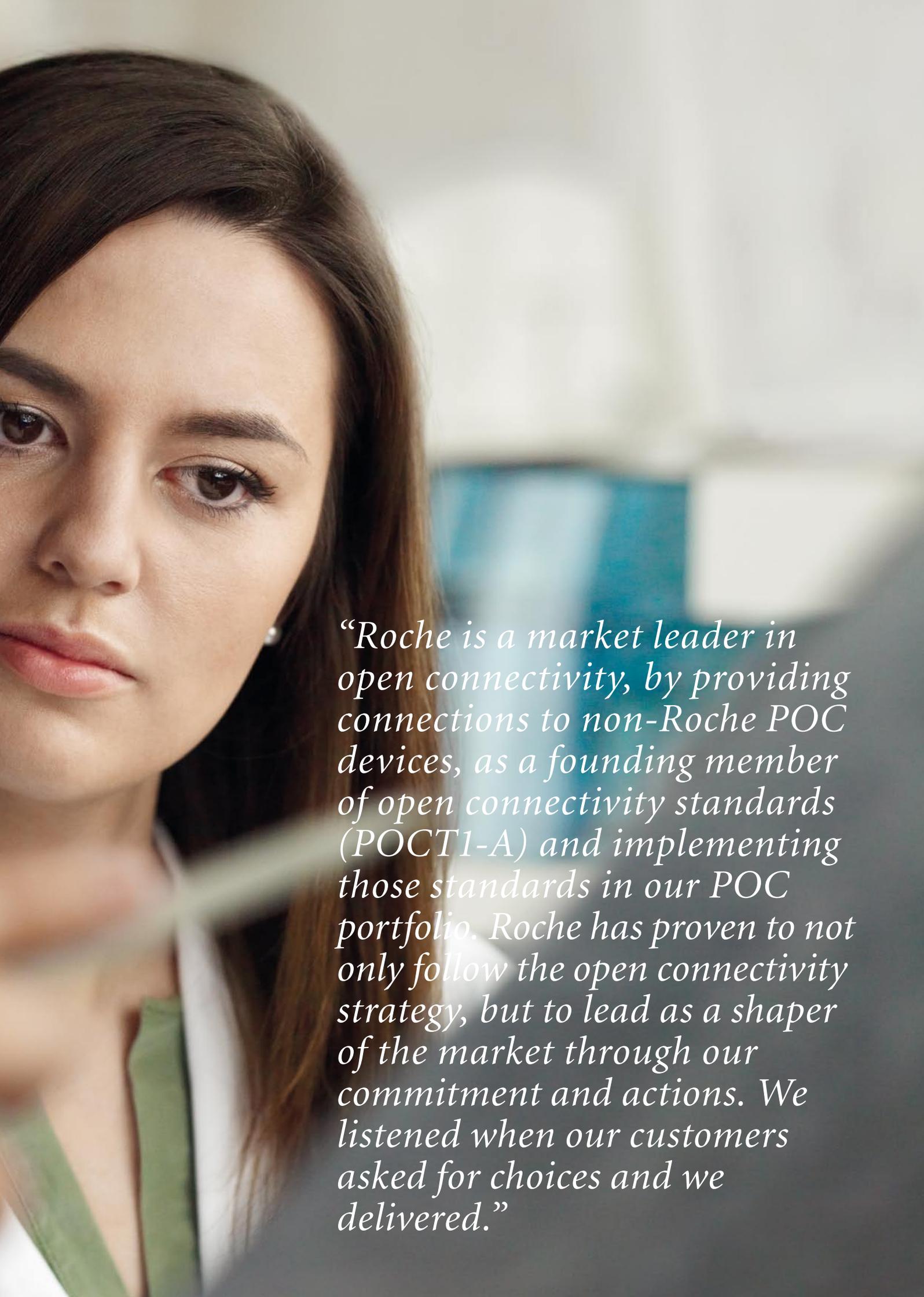
for coagulation, urinalysis, cardiac, blood gas and glucose testing. Roche has proven **open connectivity** with connections with third party, non-Roche POC devices with >50 connected device options, and interfaces with LIS or multiple LIS/HIS.



Save time while staying compliant and controlling POC traffic with the **cobas** POC IT solutions which manages devices and results by exception, alerting you based on your rules, controlling QC/reagent lots and even user training status – providing a full audit trail.

And for greater patient safety **cobas** POC IT can automatically lock out users who are not properly certified, which reduces the risk for errors and helps to meet strict regulatory and quality requirements.





*“Roche is a market leader in open connectivity, by providing connections to non-Roche POC devices, as a founding member of open connectivity standards (POCT1-A) and implementing those standards in our POC portfolio. Roche has proven to not only follow the open connectivity strategy, but to lead as a shaper of the market through our commitment and actions. We listened when our customers asked for choices and we delivered.”*

*“The comprehensive POC management solution from Roche is designed to manage POC traffic across hospitals and networks, coordinating patient and QC results, supporting training and accreditation and helping to manage all connected devices.”*

## Connected portfolio

*Coordination of competence and performance*

### Centralizes control

**cobas IT 1000** application provides complete management of POC testing, including remote configuration and control of devices, user management and LIS/HIS interfacing from a single point of control.

### Save time while training

**cobas® academy** allows you to customize training courses and deploy training content on your intranet. This enables automatic user re-certification. The system will automatically lock out users that are not certified until they complete the required training.

### Get insight and control

**cobas bge link** provides complete and easy remote management of Roche POC blood gas analyzers, allowing you to view and control the device operations simply and efficiently.

### Click here to get help

**cobas e-services** helps you to receive quick resolution of any issues via remote support and troubleshooting from your local Roche experts.



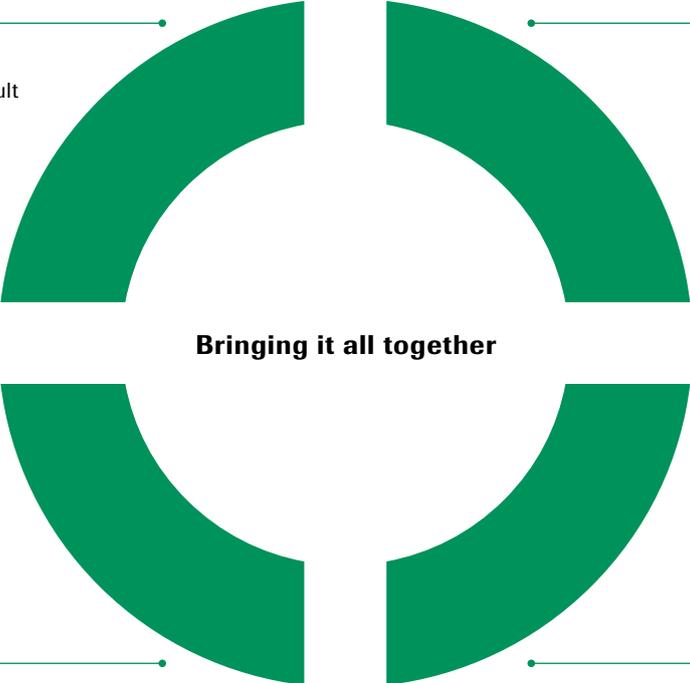
**There are four good reasons why the cobas® POC IT solutions offers improvements to POC testing efficiency, control and compliance:**

**Coordinated user management**

A central point of control for all POC testing devices and users ensures result security. Most efficient customizable online e-learning with automatic operator re-certification saves time significantly.

**Innovative functionality**

Over a decade of collecting user input and workflows has resulted in a high level of innovation that are firsts to the market such as true wireless communication and observed competency on-board POC devices, positive patient ID – ensuring patient safety.



**Bringing it all together**

**Proven commitment**

The **cobas** POC IT solutions are proven to perform in over 1,450 systems in >50 countries with 70,000 connected devices. Including over >50 Roche and non-Roche POC devices - with a long term commitment to enhancing value for patients and POC coordinators.

**Local service and support**

Quick and easy access to Roche service personnel in your time zone and language provides efficient turnaround time to your questions and ensures maximum uptime for the systems.

*“Manage device users in a streamlined and efficient way, save time and stay compliant – all the time...”*

## **cobas<sup>®</sup> POC IT solutions** *Coordinated user management*

- Automated processes for user training and certification by **cobas** academy utilizing e-learning advantages
- Tailored training in on-line courses
- Automated tracking, alerts and notification of upcoming certification requirements from and to users
- Users take courses anytime, anywhere with no need for face to face training every time
- Open to content from any vendor with SCORM compliant solutions
- Observed user testing performance (competency) and automated documentation
- Coordinated user management ensures that user processes are observed and documented and automatically and electronically tracked for audit purposes later



*“The cobas<sup>®</sup> POC IT solution has been vital in moving towards accreditation for POC.”*

*Samantha Ekin, Point of Care Testing Coordinator  
Stockport Foundation Trust, Manchester*

*“Benefit from Roche’s history and expertise in innovation and gain workflow improvements by updates according to the latest developments.”*



## **Roche history and expertise** *Ongoing innovative functionality*

- Document data from non-Roche devices or from Manual testing (Eg pregnancy) using Roche Accu-Chek® Inform II system as a data entry point for safe documentation and data storage
- Patient lists can be sent to POC devices enabling positive patient identification ensuring result security and patient safety
- Automate updates of firmware through the **cobas IT 1000** application
- Ensure efficient, real time transmission of validated results and configuration updates to the device through wireless connectivity with Accu-Chek® Inform II system, eliminating the need to dock the meter



## **Minimize downtime**

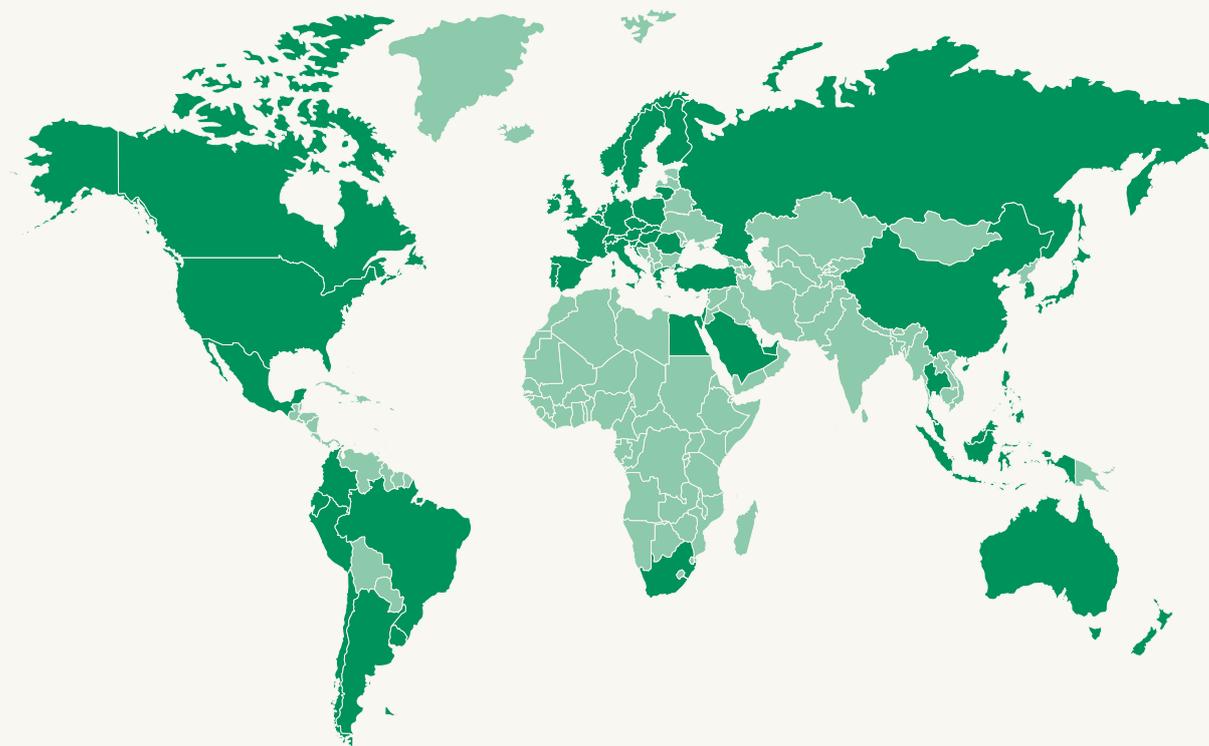
*We care – local service and support*

- Get quick help by Roche's globally represented network of specialists and experts – ready to speak your language
- Share best practice, exchange information with Roche supported peer networking events – connect with your colleagues
- Get immediate help through remote access of Roche experts to the Roche **cobas b** 123 POC system and **cobas b** 221 system significantly improving efficiency

*“Feel confident in proven performance – known to work – with a committed, stable partner, leading in open connectivity – and shaping new standards to your needs.”*

**Proven performance with more than 70,000 connected devices to cobas® POC IT solutions in over 1,450 hospitals, in exceeding 50 countries around the world.**

 **cobas** POC IT solutions countries



# **Delivering choices and flexibility**

## *Proven commitment to open connectivity*

- Proven open connectivity with over 50 options for Roche and non-Roche devices for real flexibility to your needs
- Roche is committed to the open connectivity POC market to improve workflow and efficiency and expanding the POC offering constantly with a focus on medical value and patient safety
- Feel confident in Roche's expertise and experience in diagnostic testing, covering everything between large central labs, lab networks up to home testing devices – providing powerful combinations with its IT expertise and fully understanding the challenges of IT in POC testing and coordination, resulting in real, valuable solutions



*“cobas® POC IT solutions gives us oversight of the entire hospital.”*

*Ruth Miller, Lead Nurse Diabetes  
Royal Free Hospital, London*

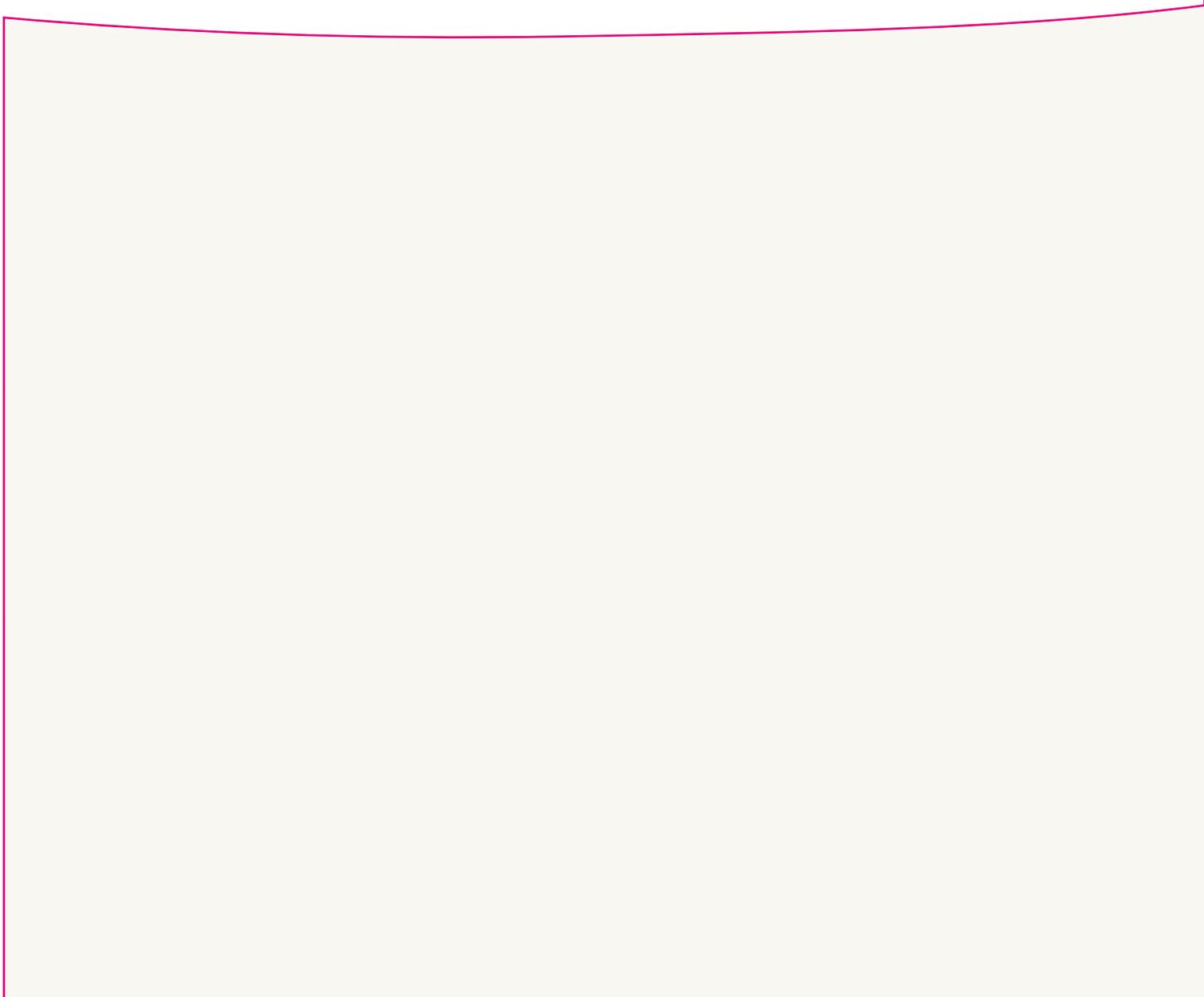
## **Bringing it all together** *Oversight. Insight. Longsight.*

The **cobas** POC IT solutions reduce complexity in POC testing significantly, and centralizes POC traffic – bringing it all together under control. Efficiency and compliance are provided from a single point of action.

Roche is committed to assist POC coordinators with powerful tools required to effectively manage POC testing, improve workflows and meet accreditation and regulatory requirements around the world. Innovative designs and concepts such as automated user certification help manage a large number of devices and device users efficiently, saving time while staying compliant.

Open architecture and proven open connectivity to many POC devices allows for a wide range of choices and freedom to grow and change your POC program, and the **cobas** academy helps you to meet the needs of your users.

The **cobas** POC IT solutions work seamlessly to bring all the POC information together to provide oversight over your POC testing program, provide you the insight required to ensure compliance and the long range view to plan for improvements and expansion in the future.



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# cobas IT 1000 v2.01 and cobas academy v2.03 – bringing it all together

## *Technical specifications*

### Product information

#### Scalability and performance

- Scalable for the number of connected devices, managed users and host systems
- Can manage more than 1,000 connected devices

#### Device communication

- Supports both standard (POCT1-A, ASTM & HL7) as well as proprietary protocols
- Drivers for more than 45 Roche and 3<sup>rd</sup> party device type families from all major POC vendors available<sup>2</sup>

#### Host communication

- Supports ASTM as well as HL7 protocols
- Flexible adaptation to institution specific implementation

#### User interface

- Fully web-based user interface
- No client software installation
- No use of Java™ applets or ActiveX components

#### Security

- Full support of device specific security mechanisms (e.g. SSL, WiFi® EAP)
- Protection against direct browsing

#### Server platform (software)

- Windows 2008® Server (64-bit)
- Windows 2003® Server (32-bit)
- Internet Information Services
- InterSystems® Caché & Microsoft® SQL Server® Express
- Virtualization with VMWare® ESX 4.1 or later

#### Server platform (hardware)

- For the management of 500+ handheld devices:
- 4 Intel® Xeon® QuadCore processors (3 GHz or faster)
  - 10 GB RAM
  - 4 HDD (60 GB/120 GB/360 GB/360 GB)
  - Gigabit network card
  - UPS recommended

#### Client PC (cobas IT 1000 application)

- Intel Pentium® III processor
- 512 MB
- 100 MB HD space for local data buffering
- Microsoft® Silverlight® 4
- Any Microsoft Silverlight 4 enabled browser
- 1024x900 pixels minimum resolution
- 1280x1024 pixels recommended

#### Client PC (cobas academy application)

- Intel Pentium® III processor
- 512 MB
- 100 MB HD space for local data buffering
- Microsoft Internet Explorer® 8 or 9
- Mozilla® Firefox® 10 or higher
- 1024x768 pixels minimum resolution



Life needs answers

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## Product information

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### Localization

- Supports multiple regional settings (date & time formats, number formats), individually settable per user
- Supports multiple languages (including English, German, French, Italian, Spanish, Portuguese & Chinese)<sup>2</sup>, individually settable per user

### User management

- Embedded instrument user e-learning
- Support of LDAP (Lightweight Directory Access Protocol)

### Printing & data export

- Print compatibility with any printer
- All data listed can be exported to MS Excel format

### High availability options

- RAID (hardware)  
Configuration consists of a disk array configured in RAID level 1 controlled through a Smart Array Controller.
- Shadowing  
Configuration consists of a primary and a shadow server. The shadow configuration provides backup capability at runtime, in case of failure the shadow server needs to be manually promoted to act as the primary.
- Clustering  
Configuration consists of a set of disks (rack) shared by two servers configured to run in a cluster, i.e. with an automatic switching of active/ready roles.

### Remote support

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- Axeda<sup>®</sup> recommended, other options possible.

<sup>1</sup> List of supported devices is expanded continuously,  
For a complete list please contact your local Roche representative

<sup>2</sup> List of available languages is expanded continuously,  
For a complete list please contact your local Roche representative

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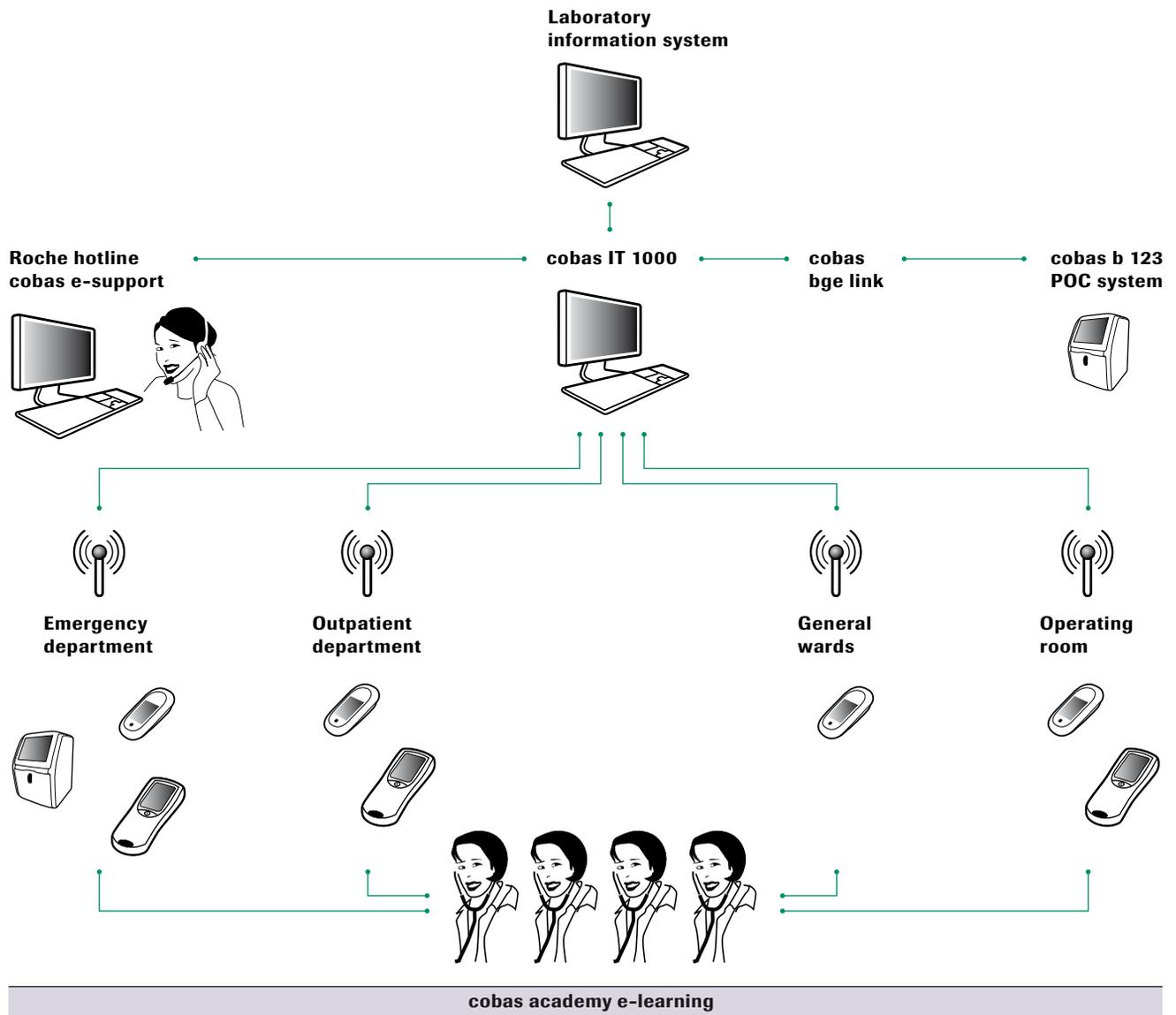
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