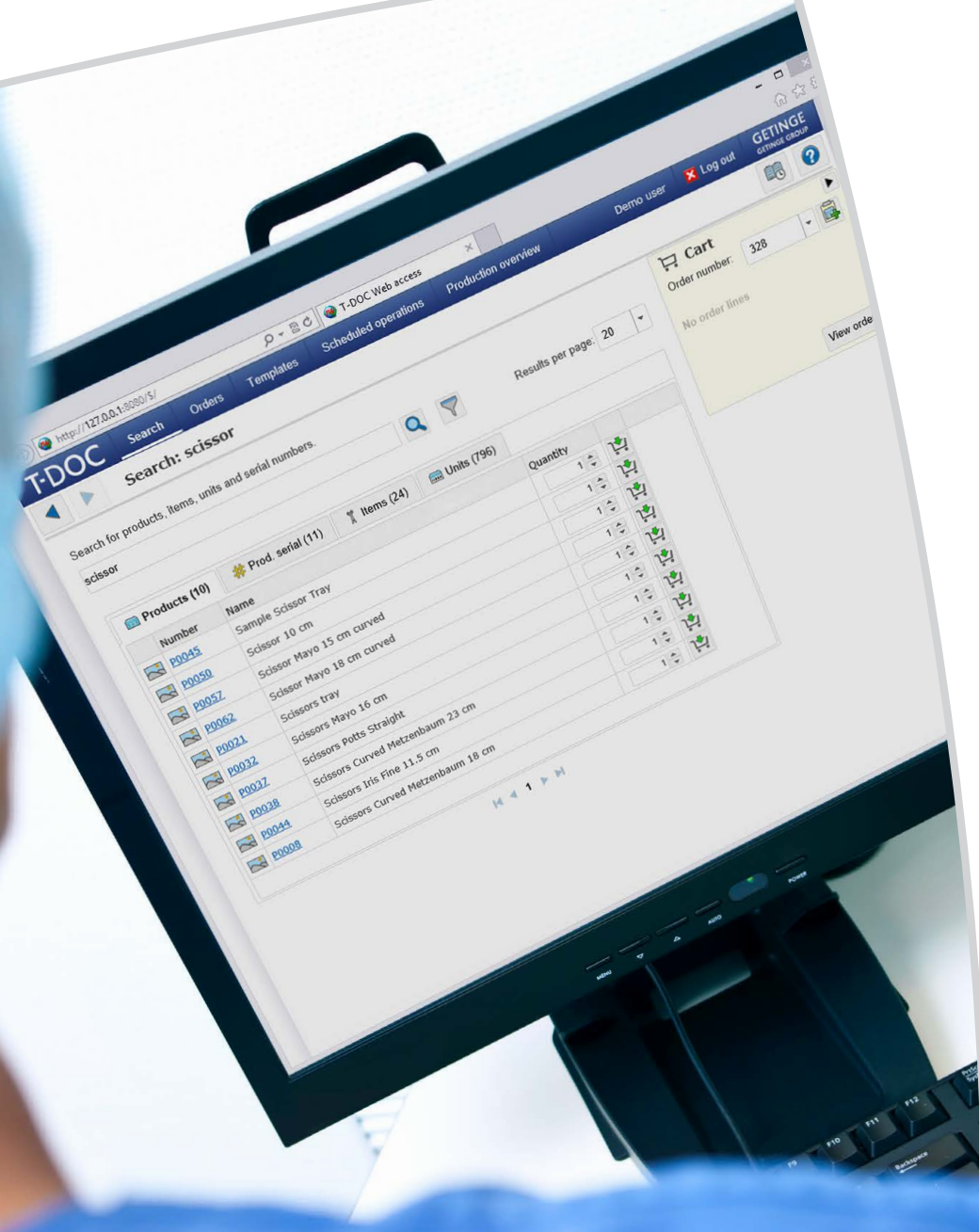# GETINGE
GETINGE GROUP

T-DOC – INSTRUMENT INTELLIGENCE
TAKE COMMAND OF YOUR OPERATIONS

T-DOC

TAKE COMMAND
TAKE YOUR OPERATIONS
TO NEW LEVELS

Many hospitals lack an overview of their instrument inventory, not only resulting in excess instrument spending, but also, more importantly, risking the need to postpone scheduled operations because instruments are late or even missing. With T-DOC, we invite you to take command of your instruments!

T-DOC is developed to handle all aspects of instrument and endoscope management. By providing you with a real-time overview of your instruments, endoscopes and related supplies, T-DOC allows you to optimize investments and insure an overall high quality level of hospital operations.

T-DOC is the world's leading sterile supply management and traceability solution from Getinge. With over 900 T-DOC installations in more than 40 countries worldwide, we have the experience to help you overcome your challenges.

"Let T-DOC be the backbone of your sterile supply management so you can focus on what is really important – the patient!"

Microsoft Partner
Gold Application Development

OUR PROPOSITION TO YOU: SAVE MONEY WHILE ENHANCING YOUR OPERATIONS – AND THE PATIENT'S EXPERIENCE

Achieve total traceability of your sterile goods
Total traceability is ensured as T-DOC registers instruments throughout their life-span and links them to all processes, actions and people they encounter. With total traceability, you always have a documented record that the correct process and procedures were followed. In addition, you always know where your instruments are when you need them.

Assure the quality of your production
T-DOC includes a wide range of features to support quality assurance. The electronic logging of machine processes documents that your instruments receive the accurate treatment. Warning messages as well as dynamic packing checklists help ensure that work procedures are followed accurately. Furthermore, since users must register when working with T-DOC, all actions are recorded and the responsible user can be identified.

Achieve complete information sharing
T-DOC offers a built-in messaging service as well as audio communication to help ensure streamlined information flow. Automatically generated notifications and instant one-click communication from T-DOC enable users to react almost instantly if unexpected changes occur. When relevant information is delivered at the right time, personnel can perform the necessary corrective actions to optimize sterilization production and the turnaround times of instruments.

Increase the efficiency of your production and plan it according to demand
T-DOC automates sterilization department processes, enabling increased productivity. Based on production statistics and scheduled operations, sterilization department mangement is able to plan production according to demand and actual usage, and therefore diminish unnecessary processing. Additionally, the operating rooms can place orders for instruments based on availability, and thus eliminate uncertainties of missing instruments before any operation starts. Furthermore, the actual cost per item is quantified so that it is possible to determine the exact cost per patient treatment.

Implement best practices and streamline processes
Through numerous options for reporting and available statistics in T-DOC, it is possible for management to implement procedures in accordance with best practices – not simply based on assumptions, but on actual data.

Improve instrument overviews and optimize stock
T-DOC provides both the sterilization department and operating rooms with an exact overview of the instrument stock, including the ability to capture statistics on instrument usage. The result is an optimization of the instrument stock and substantial cost savings.

> "T-DOC will boost your productivity while saving you money. Let us quantify what your return will be upon investing in a T-DOC system."

"The T-DOC system enables high volume processing of medical instrumentation whilst providing the re-assurance of comprehensive traceability.

Due to ever-changing service requirements, we often need to make immediate changes to the configuration of our T-DOC system. When this is required, the T-DOC support team react quickly to ensure minimal disruption. We find this flexibility invaluable."

Stewart McAllister, I.T. Support / Administrator
Central Decontamination Unit Glasgow, United Kingdom

T-DOC is an integrated part of the workflow in our CSSD. Our people are confident using the system and find it very user-friendly. T-DOC gives us full traceability of our instruments and enables us to service the operating rooms with case carts that are ready-packed specifically for each operation. We also use T-DOC in the operating room to link LOT numbers from implants directly to our patient journals. Furthermore, T-DOC gives us full traceability of endoscopes from the endoscope reprocessing unit.

Currently, we are working on implementing new procedures to register the cleaning of our operating rooms, including medical equipment, using our T-DOC system. This is a very exciting process and a tremendous improvement of our hospital quality assurance.

Sandra Rasborg Wied, Manager of the Sterilization Department, Gentofte Hospital, Denmark

Our T-DOC solution is the steering system for quality assurance in our CSSD. By fully utilizing the possibilities in T-DOC, we have managed to get in control of the flow and the throughput of the entire sterile production of our five operating theaters (and their 32 operating units) within our hospital. Not only did we improve on various parameters, and thereby became an even more reliable partner to our clients, we also succeeded in eliminating the nightshifts in the CSSD, resulting in positive wellbeing of the working environment for our technicians and financial savings.

We use the info-overviews in T-DOC to help us understand and locate bottlenecks in our processes. And with real-time process information, we've been able to suspend timetables and make all logistical work routines dynamic.

Bart van Oost, Unit Manager Supply Chain/CSSD
Erasmus Medical Center, Rotterdam, the Netherlands

EXPLORE THE BOUNDLESS OPPORTUNITIES
T-DOC – MUCH MORE THAN TRACEABILITY

Complete traceability

In T-DOC, all processes, machines, patients, operations, doctors, etc. that an instrument encounters are registered – from purchase to scrap, and thus the history of each instrument is documented. This enables you to recall suspicious goods from relevant departments quickly and accurately. Traceability is assured by the use of barcode and/or other tracking technologies.

Real-time machine process documentation

T-DOC can be directly interfaced with most types of sterilizers and washer-disinfectors to provide real-time data logging. All data is stored electronically and you can display it graphically or in a simple list format. As a result, equipment performance data is instantly available to facilitate service and maintenance.

Easy, fast and instant communication

T-DOC allows for creation and delivery of messages between managers and personnel regardless of location/ department affiliation. Also, audio communication is available to provide instant one-click communication between T-DOC locations, for example between the return and the packing area or between the sterilization department and the operating rooms. This optimizes information exchange within the sterilization department and across to other departments.

Single instrument traceability

Whether you wish to track all your instruments individually or only your critical instrumentation, T-DOC provides full control and traceability of the actual use and maintenance of each individual instrument. T-DOC is compatible with a wide range of instrument marking technologies to suit your requirements.

Advanced stock control

T-DOC provides enhanced stock management tools for streamlining ordering and inventory processes. Among other things, you are able to maintain a complete overview of your current stock, its value, items delivered, purchase requirements as well as take advantage of automatic order routines. Furthermore, this includes the registration and management of LOT numbers and thus ensure full traceability between implants and the patient.

Complete overview of your instrument repairs

With the T-DOC repair functionality you gain full control of all your instrument repairs, enabling you to trace what instruments were repaired, by which vendor, where and when the repair took place, as well as the procedures and costs involved. Relevant information can be exchanged between the repair vendor and the sterilization department or other departments, thereby streamlining your repair procedures.

Prioritized instrument production

The T-DOC fast track functionality allows for prioritized processing of instruments throughout the production cycle. This means that a fast tracked instrument automatically can be processed before instruments not marked for fast tracking. During production, personnel are alerted of any deviations, thus ensuring timely delivery. In addition, T-DOC provides the tools for quantifying and controlling the cost of the fast tracked production for invoicing purposes.

Flexible web-access to T-DOC

All hospital departments, as well as external sites, can search, access and share information in T-DOC from anywhere through a web browser. Using a shopping cart, orders can be placed very easily and information such as instrument location and production records can be found without the restriction of having a fixed administrator login.

Operating room functionality

T-DOC's stock and operating room functionalities are complementary and work in unison. They offer the means for streamlining the management of operations by providing you with the functionality to organize and interconnect doctors, procedures, patients and instruments. This includes features to ensure consistent instrument counts both between the various production areas as well as in the operating room before, during and after a surgical procedure. Additionally, you can simplify instrument ordering procedures as T-DOC automatically verifies whether requested instruments are available at a requested delivery time when placing an order. This allows you to implement just-in-time principles and to base orders on specific doctor preferences. Detailed reporting is also possible, as historic operation data is available through T-DOC.

Control the complex handling of endoscopes

T-DOC provides full control of the complex handling and cleaning of endoscopes as you can register and monitor all critical time intervals between disinfection, the drying process and the actual use on a patient. For example, T-DOC will automatically alert personnel if a time interval has expired. The T-DOC endoscope functionality can be customized to fully support your hospital's specific directions to ensure a high level of patient safety.

Management reporting

Administration is simplified by T-DOC incorporating all data into one central paperless source. Reports based on these data are easy to create and export to commonly used office programs and can be customized to suit your specific needs. You can extract reports on topics such as:

- Turnaround time
- User efficiency
- Instrumentation history
- Stock management
- Basis for invoicing (including repairs)

You can have quick and easy access to external documents through T-DOC while maintaining centralized control of your information sharing.

T-DOC can be connected to the Getinge's sealer range providing full traceability and documentation of critical process parameters as well as printing information on pouches.

In the T-DOC production overview window you can see specific information from one or all factories in your T-DOC system. This includes machine status and a list of users working in each production area.

Seamlessly integrate your information systems

T-DOC is designed to easily integrate with other information systems, such as operation scheduling, material management and/or financial systems, so that you can share information across departments and functional units. This makes it possible for the hospital to create – in essence – one seamless hospital information system spanning all areas of operation.

Multi-site management

Management is able to centrally monitor and manage the production at several independent sites. Highly specialized and expensive equipment can be shared between several hospitals, and with T-DOC the current location of a specific instrument can always be found. Ultimately, production is optimized across sites based on the best practices determinable through T-DOC.

"Our objective is to transform work routines from limiting factors to leverages for quality, efficiency, and security."

DISCOVER THE DYNAMICS OF T-DOC:
LET US INTRODUCE YOU TO THE PRINCIPLES OF
FLOW EFFICIENCY

Stock
manag

After the load has been ap
goods are placed in sterile

Batch registration and
sterilizer process logging

Items are registered and linked to their respective sterilization processes. Any discrepancies between the program scanned and the program required are displayed to the user. All process parameters are documented and stored. T-DOC alerts staff if instruments and/or machine processes require association with an indicator.

Checking, packing
and quality control

Instruments are counted, checked and packed. Each item or set is given a unique number, which is automatically printed on tray lists and labels. Tray contents, pictures and video sequences can be displayed on the PC to assist in the assembly of complicated instruments.

Also, system notifications can be shown automatically to alert users of preventive maintenance, new instruments or expirations.

Packing Area

Return Area

Administration and
management

Information concerning instruments, users, processes and much more can be accessed and managed through the T-DOC administrational workstation. All actions carried out during the production cycle are documented and relevant data can be derived as reports or with simple on-screen queries.

Furthermore, high-priority instruments can be fast tracked to ensure the correct prioritization and work flow of instruments throughout the production cycle.
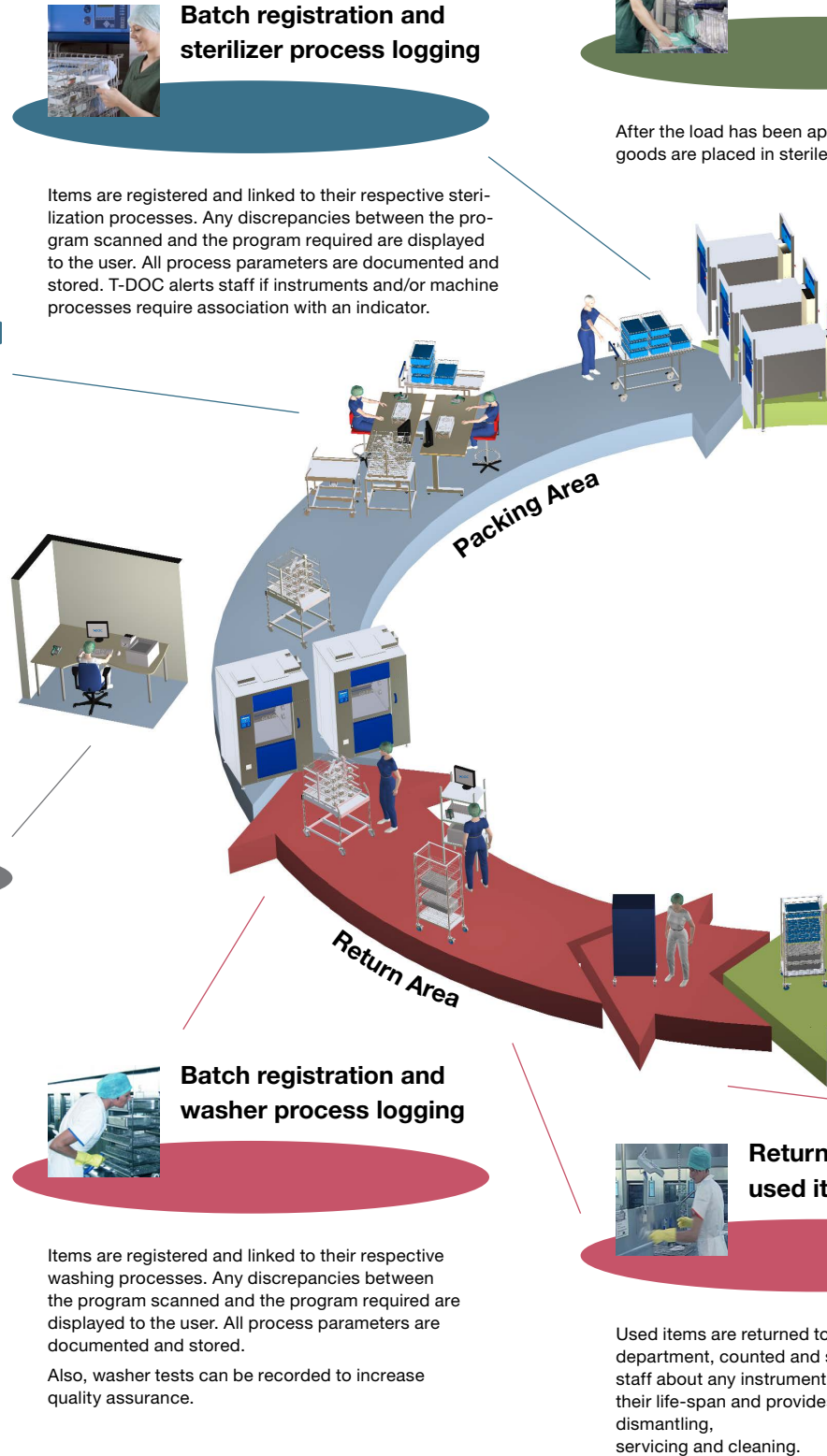
Batch registration and
washer process logging

Items are registered and linked to their respective washing processes. Any discrepancies between the program scanned and the program required are displayed to the user. All process parameters are documented and stored.

Also, washer tests can be recorded to increase quality assurance.

Return
used it

Used items are returned to
department, counted and s
staff about any instrument
their life-span and provide
dismantling,
servicing and cleaning.

ement

proved, the sterile
stock.

**Ordering via
T-DOC**

Prior to surgery, instruments, implants and dis-
posables are ordered in T-DOC. The availability
and location of ordered items can be determined,
and trays and case carts are prepared for surgery
and delivered on time.

**Department
dispatch**

Upon order, items are dispatched to the depart-
ment in question. By scanning a department
barcode it is recorded to whom the items are sent.
T-DOC alerts staff if the sterile goods are not in
proper condition.

Sterile Area

Operating Room Area

**Keeping track in
the operating room**

Instrument counting can take place before, during
and after a surgical procedure. Used instruments,
implants and disposables can be linked to a patient
or a journal number. The actual cost of patient
treatment is documented and stored. T-DOC alerts
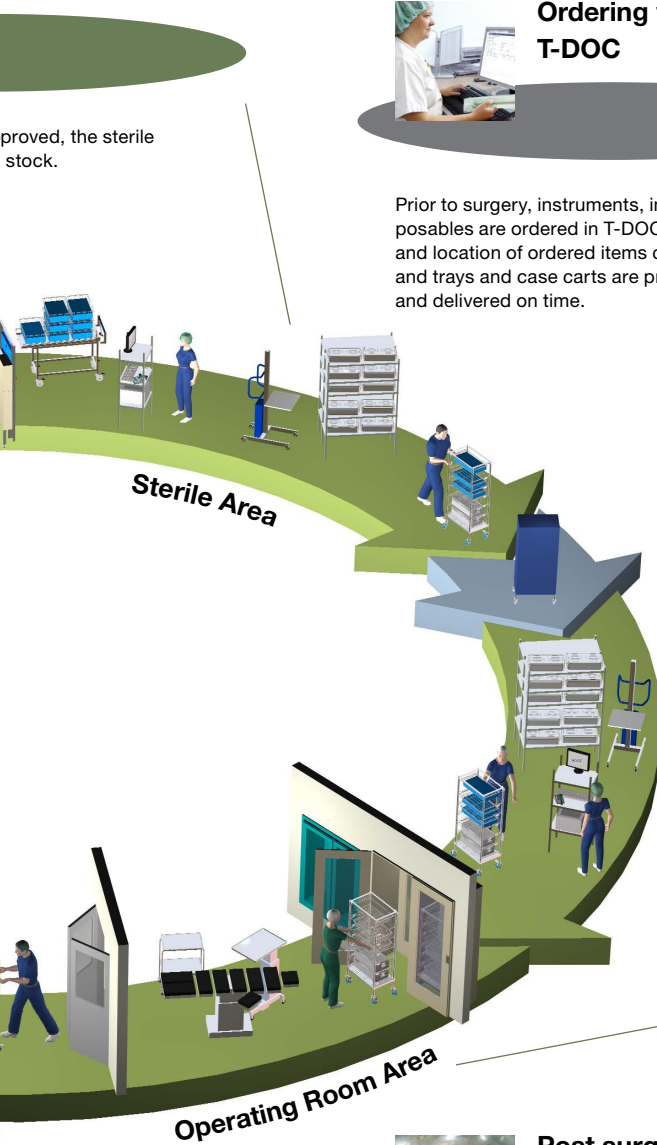staff if the sterile goods are not in proper condition.

**Post surgery
procedures**

After surgery, all instruments are accounted for
and reprocessed for immediate use or returned to
the sterilization department.

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the sterilization
scanned. T-DOC alerts
s that have reached
pictures to assist in

OUR COMMITMENT TO YOU: FULL SERVICE AND SUPPORT

Best-in-class services

Getinge offers you thoroughly developed service and support solutions that enables you to fully optimize the implementation and use of your T-DOC system. Ultimately, you are ensured increased uptime and disruption-free production at a fixed maintenance cost.

Our goal is to provide the best possible conditions for you to succeed with T-DOC. During all phases of implementation and production, we offer a wide range of best-in-class services. T-DOC professional services ensure successful implementation, while a T-DOC service agreement entitles you to extensive benefits from the start of production. You can select from our four levels of T-DOC service support:

T-DOC Platinum Service Agreement

The top-of-the-line service solution provides you with 24/7 T-DOC service support, including shortest response time, yearly two day on-site visit, and T-DOC hardware service.

T-DOC Gold Service Agreement

The premium service solution provides you with extensive T-DOC service support, including shorter response time, yearly on-site visit, and T-DOC hardware service.

T-DOC Silver Service Agreement

The advanced service solution provides you with a high level of T-DOC service support, including updates & upgrades, and a yearly system health check.

T-DOC Bronze Service Agreement

The basic service solution provides you with a price-conscious level of T-DOC service support.

Flexible training options

Training ensures that you can take full advantage of the multifold functionalities in T-DOC. We offer training of personnel at all experience levels and in several formats. From classroom training at a Getinge facility to on-site supervision of users and IT departments. We offer basic and advanced standardized product training and courses that are tailored to meet your specific needs.

Share experiences in T-DOC user groups

Getinge encourages and supports the establishment of local T-DOC user groups, which are active in several countries. This forum enables you to benefit from other T-DOC users' experiences and submit suggestions for the future development of T-DOC.

An integral part of the T-DOC service concept is easy access to an experienced and dedicated local support team, which is backed by our central T-DOC support headquarters.

THINK GLOBAL, ACT LOCAL
HOSPITALS ARE NOT ALIKE

T-DOC offers you boundless opportunities

Getinge IT Solutions, part of the Getinge Group, is a leading, global provider of sterile supply management and traceability solutions. We specialize in the development and support of IT solutions for the healthcare sector.

We have experienced remarkable growth with over 900 T-DOC installations in more than 40 countries worldwide. Throughout the years, we have built an extensive knowledge within our field. This is reflected in a product portfolio developed to meet our customers' requirements.

The modular design of the T-DOC product portfolio enables highly scalable solutions – well suited for healthcare facilities of every size. We can thus ensure you the same consistent, unified infrastructure if you wish to upgrade your T-DOC system with additional functionality to meet your future demands.

T-DOC is represented by a dedicated, worldwide network of Getinge sales companies and certified partners. Let us introduce you to your local T-DOC representative. Please contact us at sales@T-DOC.com.

"We offer you a T-DOC solution that suits your specific needs based on world-class experience. Are you ready to take command?"

Getinge Infection Control is the world leading provider of solutions for sterile processing in the healthcare sector. We aim to ensure the highest quality and safety at the lowest total cost. We offer complete solutions for a seamless work-flow, reducing the risk of contamination while helping healthcare to increase efficiency.

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GETINGE GROUP is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, GETINGE and MAQUET. **ArjoHuntleigh** focuses on patient mobility and wound management solutions. **GETINGE** provides solutions for infection control within healthcare and contamination prevention within life sciences. **MAQUET** specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.