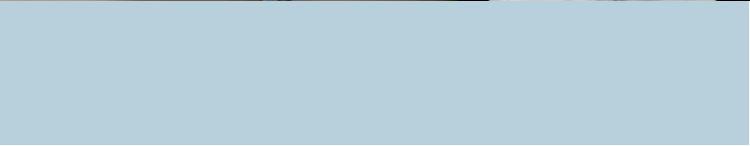




**MORE TIME FOR NURSING
THANKS TO INNOVATIVE HOSPITAL
LOGISTICS**

SYNCROTESS



OPTIMUM NURSING CARE THROUGH OPTIMIZED LOGISTICS

MORE TIME FOR PATIENTS

It is essential for hospitals to have a powerful, cost effective, and independent logistics system so that they can turn their full attention to treating and caring for patients. Logistics processes must be organized so that they make the day to day work of employees easier and relieve them of the burden of non nursing duties. To perform this task, hospitals are relying increasingly on the support of intelligent IT systems, which provide process optimization across the entire range of logistics functions in real time.

Such an IT system must put hospitals in the position

- to considerably reduce of waiting times for their patients,
- to relieve the nursing staff in the organization and the implementation of transport procedures,
- to reduce internal transport costs in your hospital by up to 10%,
- to increase punctuality of patients and goods transport,
- to avoid unnecessary routes carried out by transport employees,
- to pinpoint and increase the reaction capacity of the transport service in the hectic and unplanned day to day operations of a hospital,
- to have an overview of the general transport situation on a day to day basis and
- to improve communication amongst all those who are involved in logistics.

OPTIMIZATION OF ALL PROCESSES

These objectives cannot be achieved with conventional transport order management software. Only SYNCROTESS combines a wide range of functions to control, rationalize and optimize all logistics processes. So hospitals can increase the efficiency of their logistics processes without compromising the care they provide to patients. The software is based on advanced optimization procedures, developed by INORM over the past 20 years and coupled with more than 30 years of project experience in internal transport.

IMPROVING DAY-TO-DAY HOSPITAL ROUTINES

SYNCROTESS ensures sustainable improvements to the day-to-day routines in hospitals. Through the intelligent integration of all the different nursing and specialist departments, hospitals increase the efficiency of their processes. Thus the entire hospital benefits from the range of services provided by SYNCROTESS.

SYNCROTESS means for the

Company management

- Cost reductions of up to
- Harmonization of all processes
- Wide range of evaluations for management, controlling and logistics Rapid
- return on investment

Nursing staff

- Relief from the burden of non nursing duties
- Simple software that all employees can learn to use quickly Adherence
- to schedules when picking up and dropping off patients High level of
- patient satisfaction

Transport service staff

- Intelligent networking of all active and passive resources in transport management A
- fairer workload for transport service employees
- Reduction in idle time and the number of empty trips
- High level of employee satisfaction

IT department

- Simple integration in the existing IT environment (e.g. HIS)
- Support for all key standards and protocols such as HL7, IDOC, BAPI, MQS
- Radio data link WLAN, GSM/GPRS, DECT, digital radio (Tetra) for mobile devices such as smartphone (Android and iOS) or DECT terminals
- Scalable to individual requirements and organization sizes

Business and supply services staff

- Fast reaction times for transport services and service providers
- Timely replenishment of stocks on the wards
- High degree of transparency
- Integrated cost allocation and communication of controlling and business accounting information

Medical fraternity

- Reliability of transport services
- Examinations, treatments and operations begin on time

CENTRAL TRANSPORT MANAGEMENT THROUGH EFFECTIVE NETWORKING

EFFICIENT SOFTWARE FOR OPTIMIZED PROCESSES

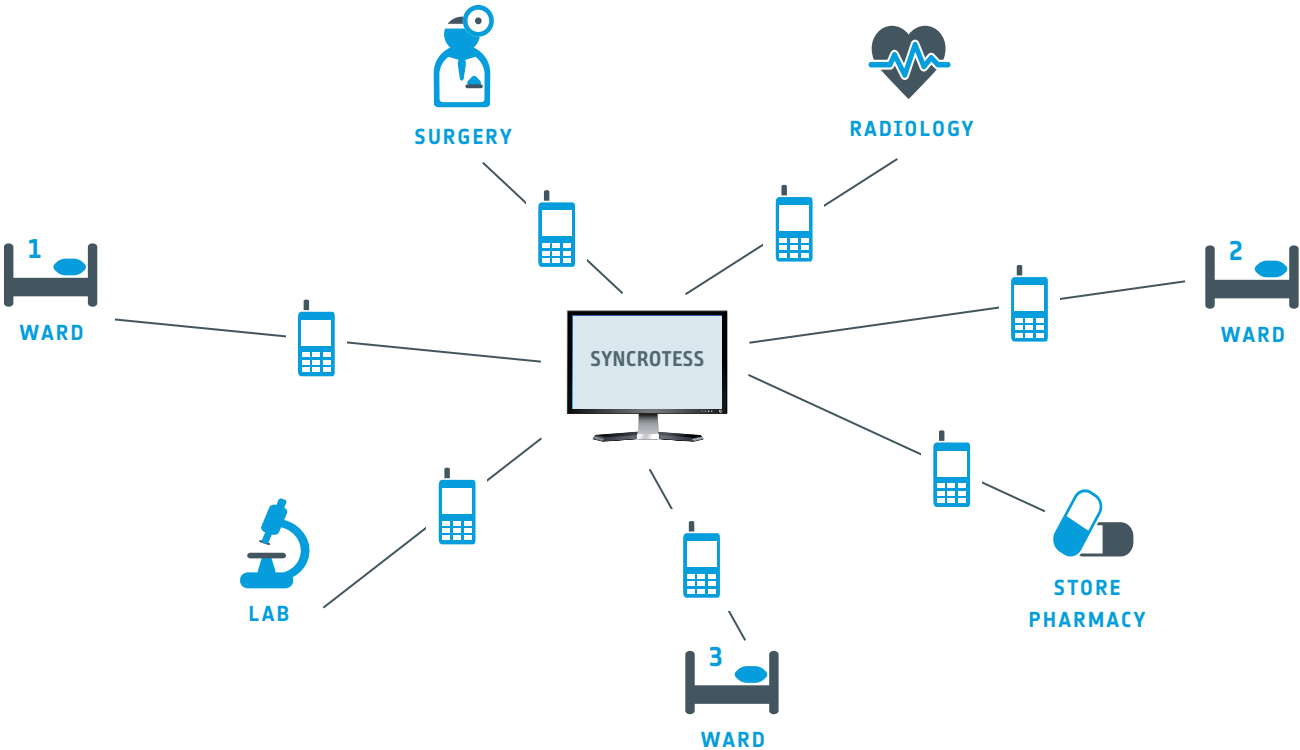
SYNCROTESS controls, rationalizes and optimizes transportation facilities in hospitals in the long term and in real time. The system manages all related processes including

- Patient transport
- Pick up and drop off services
- Goods transport
- Services of all kind
- Cleaning and processing services

The software enables hospitals to standardize and centralize transport management. To do this, the system supports transport group planning in transport services as well as appointment scheduling in the hospital departments. SYNCROTESS organizes the use of both active and passive means of transport such as carriers or vehicles, beds, wheelchairs or trolleys. This enables hospitals to provide the best possible care for patients and work cost effectively at the same time.

SYNCROTESS has three essential features

- SYNCROTESS links all the different hospital departments and wards and automatically allocates each transport order to suitable porters and drivers.
- SYNCROTESS provides graphical overviews, which hospital staff can use to quickly gain an overview of the current situation of all transport orders at any time.
- SYNCROTESS re-schedules all processes in the hectic day to day routine of the hospital within a matter of seconds, thanks to its powerful real time control system. unforeseen events, such as interim checkups, can be seamlessly integrated into the process organization.



PROCESS SCHEDULING USING SYNCROTESS

SYNCROTESS is simple and easy to use. Transport orders can be entered, fixed a time, or put on call at the touch of a few keys. For employees, scheduling of the complete process organization can therefore be carried out with little effort:

- Order entry**
The staff on the wards and in the examination areas can manage transport orders easily via a computer. They enter their order requirements directly in the system using a simple form. This form can already be pre-filled with information from HIS.
- Order allocation**
SyncroTESS automatically allocates the transport order to a carrier. In doing so, the system takes into account any previously defined organizational and technical requirements, the road network as well as current deployment information such as the current location of a runner/driver and the availability of transport devices. The order is allocated in real time within a matter of seconds.
- Order transmission**
The transport service employee receives the transport order on a mobile communication device (e.g. smartphone Android or iOS, DECT mobile phone, etc.).
- Execution**
The runner/driver proceeds to the patient or goods to be transported (e.g. blood sample, file) and uses his mobile communication device to report that he is starting to execute the transport order. At his destination, the carrier confirms that he has completed the transport order and is then assigned his next order. He can also report back unforeseen situations, such as Patient is not ready.



SMOOTH TRANSPORT ORGANIZATION

SYNCROTESS reduces the effort for all employees involved in the transport organization to a minimum. To achieve this, it offers the following essential features:

OVERVIEW OF THE ENTIRE TRANSPORT SITUATION

With SyncroTESS, you can always keep track of the current status of the transport process. The system shows the important information both in clear tables and in diagrams, for example, of the hospital layout. High priority orders and urgent appointments can therefore be entered quickly and are taken into account automatically by SyncroTESS. At the same time, SyncroTESS keeps a record of the order status of the carriers, also using barcode information, if available.

MANUAL AND/OR FULLY AUTOMATIC CONTROL CENTER

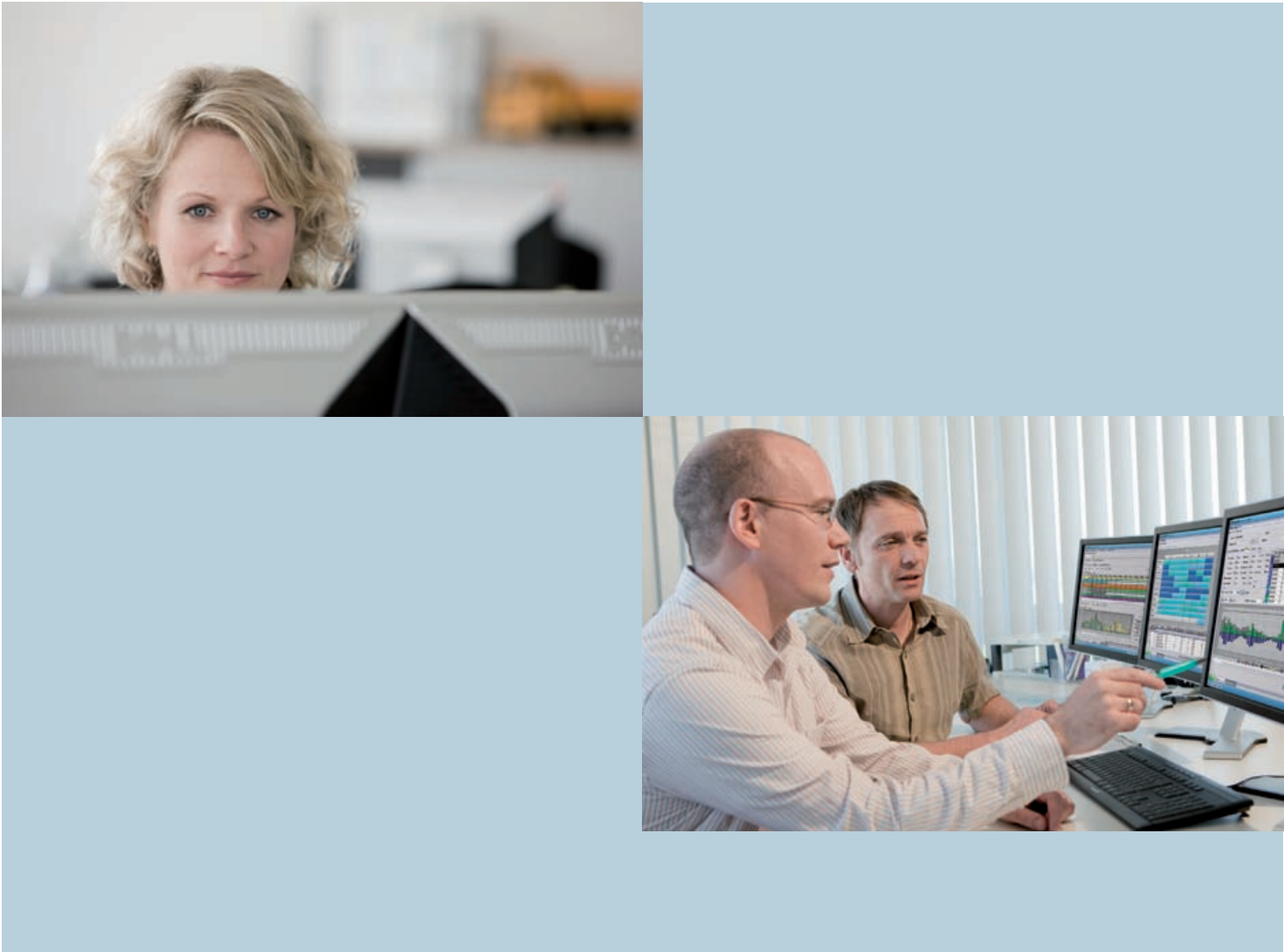
Hospitals can use SyncroTESS to set up a control center service, thereby replacing the old, mainly manual scheduling and order entry tasks with a much more effective system. Moreover, the system can be configured flexibly according to the individual transport management requirements of each hospital from manual to fully automatic control center services.

OPTIMIZATION OF ALL AVAILABLE RESOURCES

The fully automated process optimization, which runs in the background, ensures optimum utilization of the transport groups. To achieve this, the system simultaneously takes into account all transport orders and all available active and passive resources (runners, drivers, wheelchairs, trolleys, etc.), combines transport requests independently, and allocates these to transport groups. This enables hospitals to minimize the number of empty trips and improve punctuality.

STATISTICAL EVALUATIONS

SyncroTESS provides useful statistical evaluations of completed transport orders at the push of a button. They provide a quick indication of how efficiently the transport department reacts to transport orders. This data also provides the hospital with a basis for general logistics and layout planning. All data in these evaluations can be exported to other programs (e.g. MS Excel) with a mouse click.



INFORM BENEFIT FROM EXPERIENCE AND EXPERTISE

MAN EARS O EXPERTISE AND S PERIOR TECHNOLOG

With S NCROTESS, IN ORM combines more than 30 years' experience in IT-based transport management with 20 years' expertise in business process optimization. More than 70 employees, with an above-average staff retention rate for the IT sector of 10 years, no longer manage more than 10 projects worldwide. IN ORM software solutions are used in materials management, production planning, and airport logistics besides transport optimization. Using the latest technology, they simplify logistics processes and open up potential for profitable rationalization.

All IN ORM systems are based on superior technology from operations research and computational intelligence. Complex mathematical procedures are applied to operational processes. The implementation of these procedures in terms of software technology is the core competence of IN ORM. The operations research methods are recognized as being the most suitable for optimizing highly complex systems. Combined with optimizing procedures and corresponding IT services, IN ORM products can significantly improve business processes.

INTELLIGENT IT OR COMPLEX PROCESSES

IN ORM offers as a specialist in the field of transport optimization, with S NCROTESS a system that optimizes complex logistics processes in real time through intelligent planning and scheduling decisions. Starting with the control of the entire logistics at an airport, to the efficient handling in inland terminals and distribution centers, through to transport optimization in hospitals – the system's portfolio is extremely diversified. The focus here is not just on the organization, but above all, on transport optimization and synchronization of all logistics processes. S NCROTESS enables companies to implement a fully automated and transparent supply chain. Customers have been benefitting from the resulting potential for rationalization for over 30 years.

COMPREHENSIVE SERVICE

Besides offering software, IN ORM also provides all-round customer support. IN ORM regards itself as a partner who gives its customers detailed advice on all major everyday concerns.

Our experts offer

- free presentations
- free presentation events
- Pre-project workshops with experienced consultants
- In-depth consultation and support during the installation of S NCROTESS 17
- support from our IN ORM experts

CAPITALIZE ON INNOVATIVE SAVINGS POTENTIAL

When making the decision to implement SYNCROTESS, hospitals are opting for a powerful software system that provides the best possible care for patients while opening up innovative savings potential at the same time.

01 INTELLIGENT NETWORKING

SYNCROTESS links all the different departments and work processes. This enables hospitals to exploit the synergies of a central transport service and reduce the waiting time for patients.

02 OPTIMIZED REAL-TIME CONTROL

SYNCROTESS re-schedules the use of passive and active means of transport to include all new events that occur. This increases the capacity of hospitals to react to unforeseen situations in the hectic day-to-day life of a hospital.

03 AUTOMATED CONTROL CENTER

SYNCROTESS can be used to set up a control center service. Thus, hospitals can replace manual scheduling effectively, relieve nursing staff of organizational duties, and have total transparency over all transport processes.

04 INTEGRATION IN THE EXISTING IT ENVIRONMENT

The technologically leading system SyncroTESS is quick and easy to integrate in the existing IT environment of a hospital (HIS). Hospitals therefore benefit quickly from the efficiency of an intelligent software system without having to put up with a costly and lengthy IT project.

05 INDIVIDUAL SCALABILITY

SYNCROTESS can be scaled flexibly to match the requirements of hospitals of all sizes. As a result, hospitals get a software system that is adapted entirely to suit their logistics organization.

06 SIMPLE HANDLING

SYNCROTESS is simple and easy for hospital staff to use. This increases employee motivation, allowing them more time to care for patients.

SELECTION OF REFERENCES



Through the implementation of the software, our intention was to reduce waiting times and hence increase the satisfaction of our patients. With an average of 96% of orders being carried out on time, we have achieved this goal."

Nicole Giese, central transport service project manager and nursing service manager at Neumünster hospital



Every year, we carry out around 220,000 transports with an average duration of nine minutes. Of these, over 90 % are on time. In addition, we have been able to save about one third of the costs, coordinate transports better as well as avoid empty runs."

Andreas Giese, nursing director at St. Vinzenz hospital Paderborn



SYNCROTESS significantly contributes to our ability to resolve the obvious conflict between cost-effective processes and high-quality medical care on a daily basis."

Andrea Müller, transport service manager at Nürnberg hospital



My expectations regarding improved punctuality and handling of the system, as well as my expectations of the wards and functional areas have been exceeded by far."

Stefan Graf, nursing director for emergency admissions/patient transport at Augsburg hospital



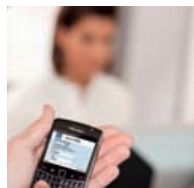
The scientific basis of *SYNCROTESS*, combined with experience of logistics in the most varied sectors, provides a powerful platform for innovative solutions in the public health service."

Thomas Leemann, IT Strategy Manager, Ingolstadt hospital



Using *SYNCROTESS* has put us in a position where we can adhere to the necessary schedules for all transport in the hospital. Thanks to the automatic forwarding of transport orders via modern means of communication, transmission errors in sensitive areas are now a thing of the past."

Irich Dreiner, head of logistics at the university hospital of Düsseldorf



S NCROTESS

The comprehensive system for efficient hospital logistics

»ADVANCED OPTIMIZATION!«

»OPTIMIERT ENTSCHEIDEN!«

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 **INFORM**