SYNCROTESS

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Optimized container and reusable packaging management

Increase quality of planning and service using SYNCROTESS, the IT solution for intelligent container and reusable packaging management
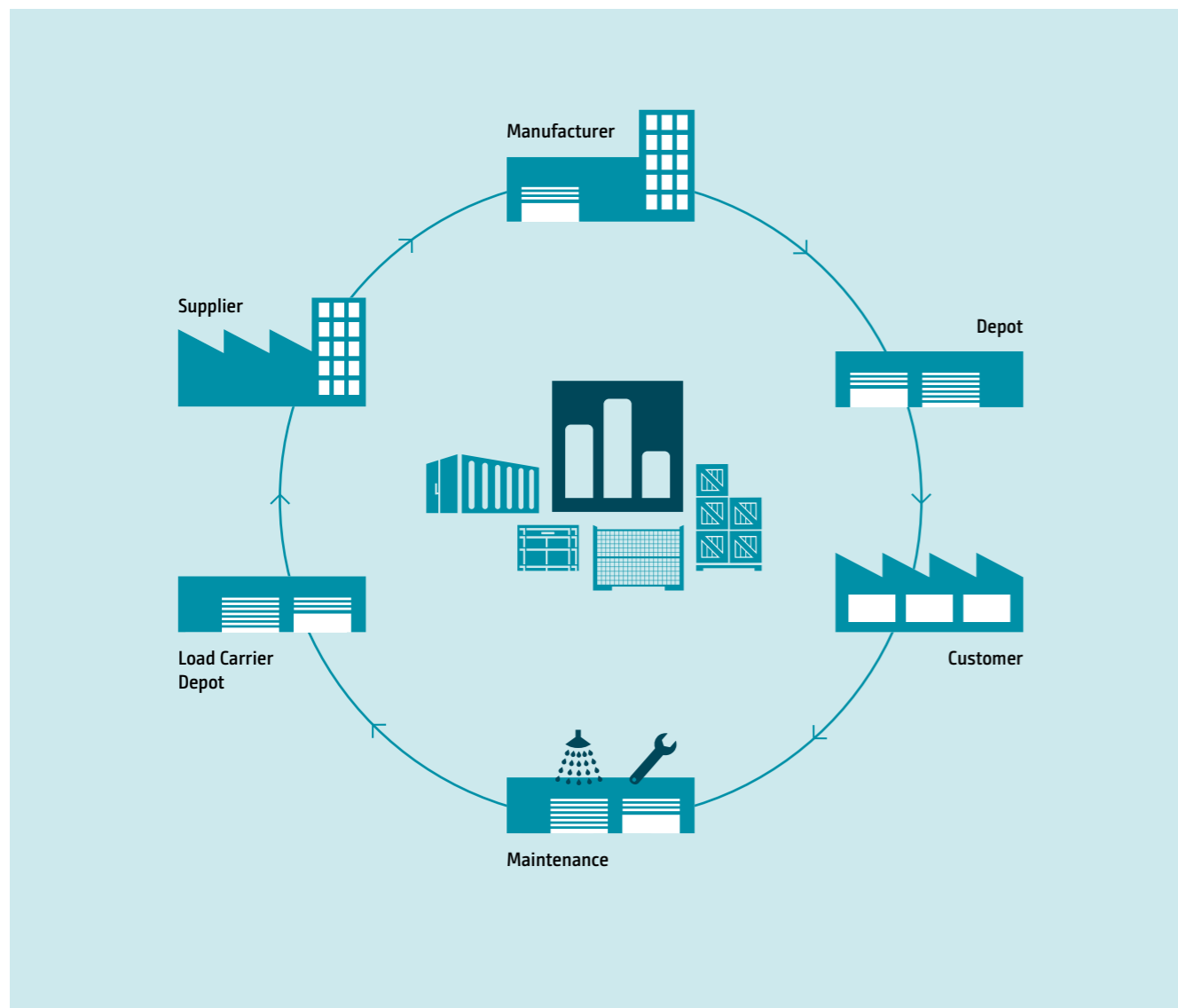
INFORM

Manage efficiently
be a step ahead

WHERE ARE THE LOAD CARRIERS?
AND WHERE WILL THEY BE NEEDED?
It should be possible to answer these questions at any time based on current data – the software for optimized load carrier management SYNCROTESS enables users to do exactly this. It allows companies to respond quickly and flexibly to daily operations, to seasonal fluctuations, and to unforeseeable events.

Optimized load carrier management
Load carriers can be systematically controlled only if their status and location are known; yet frequently, this is not the case. The use of tracking and tracing methods as well as an intelligent software, such as SYNCROTESS, are the basis for optimized load carrier management. New purchases, error-prone manual inputs, and time-consuming coordination can be sustainably reduced while also significantly increasing the efficiency of the load carriers.

Create transparency and eliminate loss in the load carrier network:

TRACKING LOAD CARRIERS
Efficient load carrier management starts with tracking and tracing. Load carrier related data is created at various locations within the network, through direct tracking, telematics, or indirectly via integration (i. e., ERP system, warehouse management system - WMS, etc.). This data is processed by SYNCROTESS in real-time, providing users with access to the current load carrier distribution at all times.

INVENTORY MANAGEMENT
Load carrier data is processed in real-time ensuring that stocks are always up-to-date in the software. Users can query stocks at the touch of a button and efficiently respond to orders and collection requests.

WARNING FUNCTIONS
Based on defined rules, SYNCROTESS warns of imminent over and under stocking. Companies can react early and distribute load carriers accordingly.

WEB-PORTAL
A dedicated web portal provides all parties with remote access to the load carrier management system. Since it is also accessible via smartphones, it is possible to get an up-to-date overview and make bookings if necessary – anywhere, anytime. Moreover, new partners have quick access to SYNCROTESS.

SHARED DATABASE
SYNCROTESS is linked to the existing IT systems which are relevant to load carrier management (e.g., ERP systems and production planning systems - PPS). Data from these systems, and from tracking and tracing, are continuously processed by the software and made available to the users.

MAINTENANCE
When load carriers need to be repaired or cleaned, the maintenance process can be automatically managed and transparently documented by SYNCROTESS.

BILLING
With SYNCROTESS, it is possible to compute usage fees and value replacement claims promptly and according to consumption.
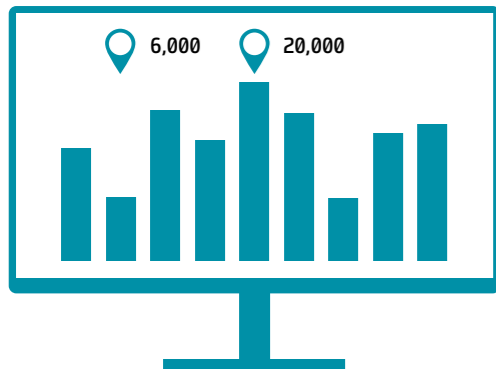
USABILITY
Configurable dashboards provide real-time information about the operations within the load carrier network. In addition, images can be integrated into the system for all types of containers decreasing incorrect entries. Even complex queries can be made via chatbots using the voice assistant of the smartphone.
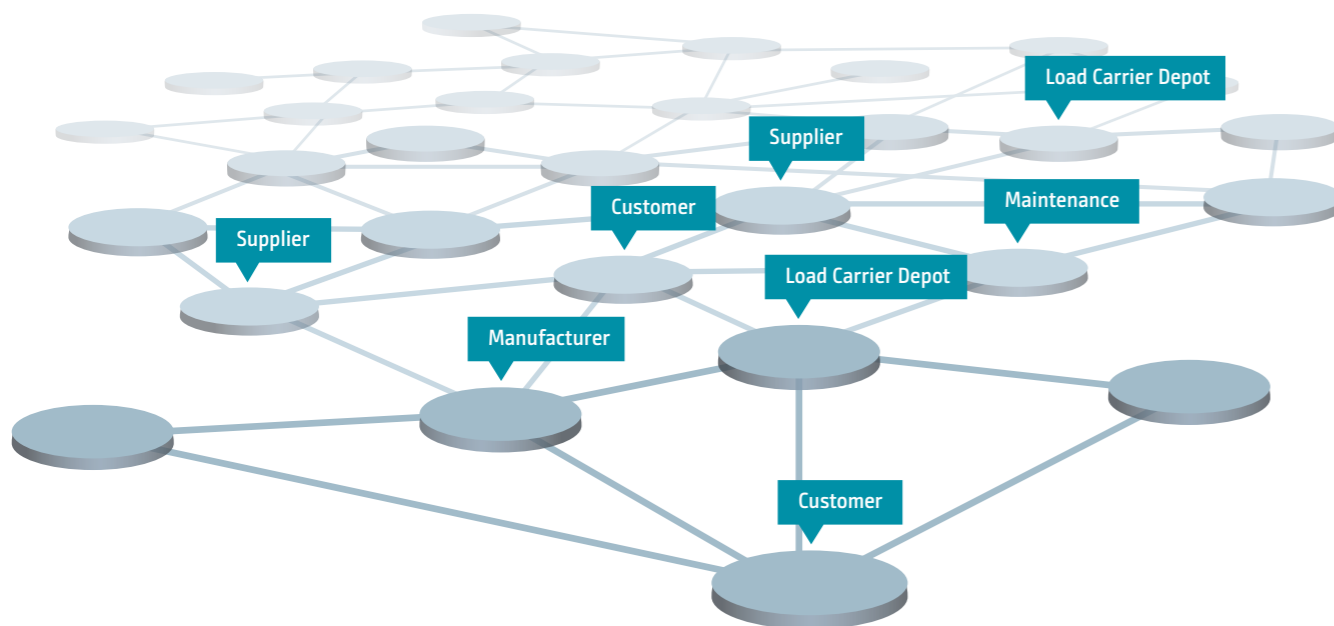
Plan in a network strengthen your resilience

PLANNING QUALITY
is significantly increased because SYNCROTESS precisely, and continuously, determines load carrier demand.

AUTOMATIC STOCK BALANCING
To make the required load carriers available, SYNCROTESS offers an automatic stock balancing function, allowing even the most complex load carrier cycle to be operated efficiently and with increased service quality.

High service quality and economic efficiency
All pool operators are dependent on striking a balance between service quality and cost. Too many, or too few load carriers, as well as delays in the provision of load carriers, are constant daily challenges that impact this balancing act. SYNCROTESS enables pool operators to ensure best-in-class service levels while actively minimizing costs.

Avoid overstocks and shortfalls and deliver on-time all while taking into account daily operations, seasonal fluctuations, and unforeseeable events:

DEMAND FORECAST
The more precisely the demand for load carriers is determined, the higher the service quality that companies can offer their partners. Therefore, SYNCROTESS uses multiple data sources to determine load carrier demand:
> Manual inputs and ad-hoc orders
> Coverage analyses
> Historical data
> Rules (minimum, maximum stock, etc.)
> Seasonal fluctuations and statistical exceptions
> Information from other systems (ERP, PPS, WMS, etc.).
As the data is processed in real-time, companies can respond quickly even to unforeseeable events.

AUTOMATED STOCK BALANCE AND SCHEDULING
Based on the pre-calculated container demand, SYNCROTESS can balance the load carrier accounts by itself or support human decision-making. If the pool operator is in charge of forwarding the assets, the planned load carrier movements can be forwarded to the transport optimization software from INFORM or from a third-party provider. This significantly accelerates the process and reduces manual efforts even further.

SIMULATIONS
With SYNCROTESS, companies can take impending events into account ahead of time, increasing the quality of the plan.

SYSTEMATIC ANALYSES
> KPIs (key performance indicators): On their way through the network, load carriers continuously create a huge amount of data. SYNCROTESS uses this data to provide meaningful KPIs. Thanks to the softwar e's export function, these can also be converted into other formats (e.g. CSV, XLS, PDF).
> Business Intelligence: With the aid of Business Intelligence, SYNCROTESS substantially supports the operative and strategic decision-making process.
> Advanced Analytics: SYNCROTESS offers Advanced Analytics forecasts (e. g. the load carrier demand for individual users) to further enrich KPI and BI data with deep insights.

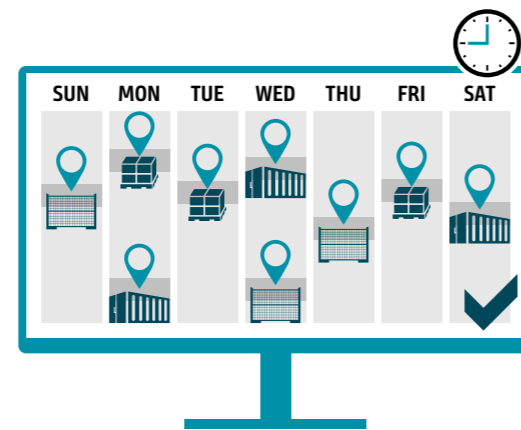# Make profitable decisions increase planning quality

With **SYNCROTESS**, companies can manage load carriers more efficiently and achieve high service quality and economic efficiency.

FUNCTION OVERVIEW (extract):
> Load carrier tracking in real-time
> Representation of current load carrier stocks along the supply chain
> Automatic alerts at stock limits
> Clearly arranged user interface
> Online availability via the web-portal
> Shared database for the users
> Usage-based billing
> Automated demand forecast and stock balancing
> Simulations
> Analyses with Business Intelligence
> Forecasts with Advanced Analytics

BENEFITS:
> Lower supply costs
> Permanently reduced load carrier loss
> Increased planning quality
> More efficient response to unforeseen events
> Timely provisioning of load carriers to the users
> Reduced manual input
> Less coordination required
> Safe production supply
> Improved service quality
> Increased user and customer satisfaction

INFORM offers

LONG-STANDING KNOW-HOW AND SOPHISTICATED TECHNOLOGY
All INFORM systems make use of carefully selected techniques from the fields of operations research and computational intelligence. Powerful mathematical procedures are used for managing corporate processes. INFORM's core competency lies in the implementation of such methods in their software products. Operations research algorithms have proven to be most suitable for the optimization of the most complex of systems. Combined with optimizing methods and some sophisticated know-how, INFORM products can decisively improve the processes within your enterprise.

INTELLIGENT IT FOR COMPLEX PROCESSES
As a logistics specialist, INFORM offers SYNCROTESS, a system that brings efficiency and agility to load carrier management. The software enables companies to permanently synchronize load carrier stocks and demand. SYNCROTESS extends the existing IT landscape as an add-on. It uses innovative planning and control strategies, which are customized to your corporate goals and provide an optimized use of the valuable resources. Moreover, the software relieves the employees of routine tasks. Instead of dealing with manual inputs and time-consuming coordination with others, they can concentrate on optimizing the planning quality and load carrier supply in in the long-term.

EXTENSIVE SERVICE
Apart from our software, INFORM offers you an extensive customer service. INFORM deems itself as your partner who will offer you detailed advice regarding all important questions of your daily software usage. Our experts offer you:
> Project preparation workshops with experienced consultants
> Extensive counseling and support with the installation of SYNCROTESS for load carrier management
> High quality training of your staff at your firm's location
> 24/7 support by our INFORM experts

ADAPTABILITY
Depending on the complexity, number of load carriers and network participants, relevant modules and functions of the software will be selected to create a perfect fit for each company's requirements.
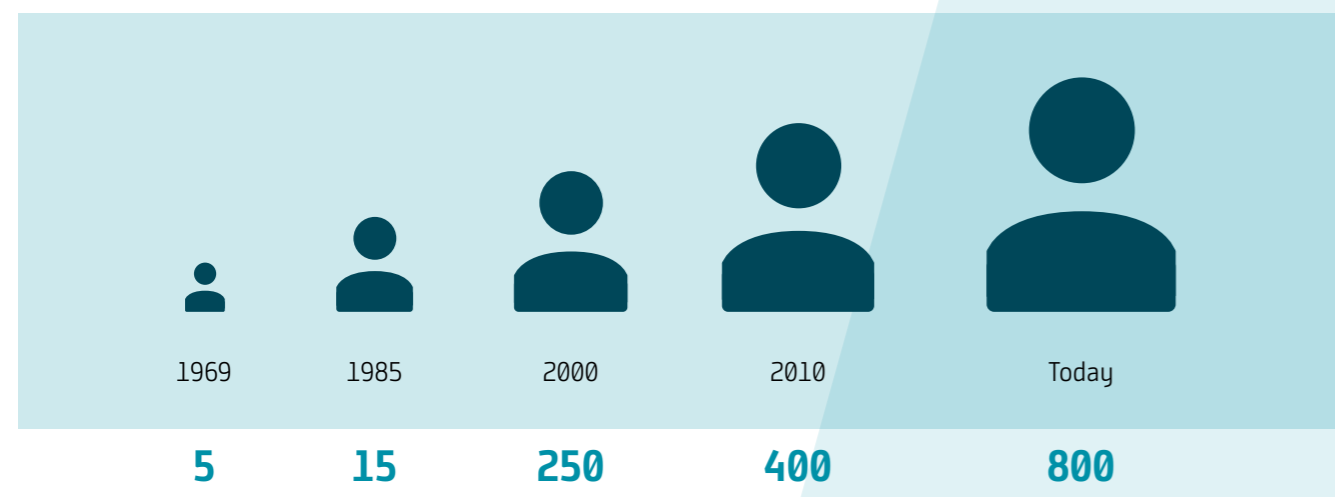
INTEGRAL PART OF YOUR IT LANDSCAPE
SYNCROTESS complements the existing IT landscape as an intelligent optimization add-on. There is a wide variety of options available for interfacing with other systems, including tailor-made solutions.

INTERACTION WITH PEOPLE
The larger the load carrier network, the more complex the decisions are that must be made. To enable SYNCROTESS to assist the user in managing the load carrier pool, complex operations and rules are mapped into algorithms. Artificial Intelligence and Machine Learning can detect unknown patterns on load carrier movements for which no rules have been created. These patterns can automatically be considered by the system. Humans continue to remain in control and can adjust adaptations and decisions made by the system. The teamwork of man and machine allows the continuous improvement of your company's load carrier management.

Why **INFORM?**

INFORM is the global leader in advanced risk management solutions that mitigate financial crime risk and optimize operational efficiencies. RiskShield provides a self-learning anti-fraud and AML monitoring solution with superb detection results that are reliable, fast and responsive for largest banks and payment service providers in the world, including First Data, equensWorldline, ING Bank, SIA, SIX Payment Services and Rabobank. INFORM employs over 800 staff from more than 40 countries.
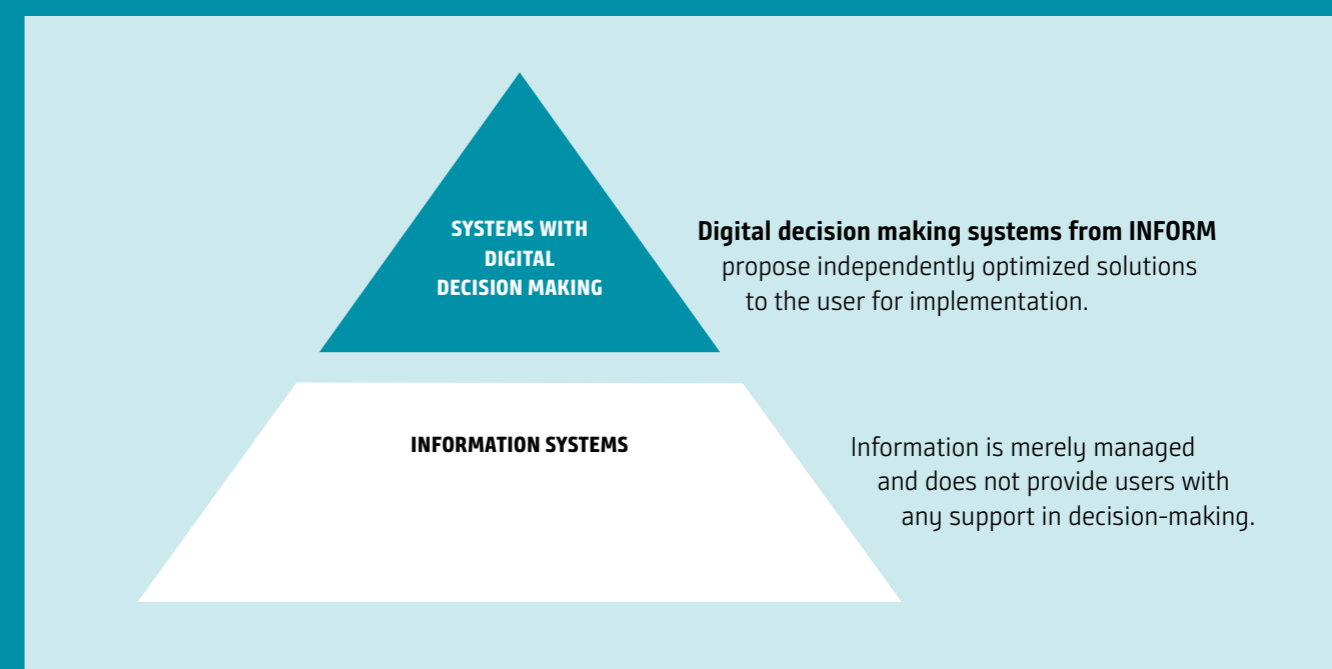
Employee development

1969	1985	2000	2010	Today
5	**15**	**250**	**400**	**800**

AN ENTERPRISE RISK AND FINANCIAL CRIME MANAGEMENT SOLUTION
INFORM's RiskShield software family is designed to identify suspected fraudulent claims against banks and insurance companies. RiskShield is a flexible framework that enables companies to gradually adapt their systems that have grown historically to new requirements. RiskShield decision-making components are already used in 27 insurance portfolios in Europe and the USA. When it comes to payment transactions, RiskShield protects 125 million payment cards (credit, debit) against fraud worldwide.

Long before terms such as artificial intelligence and machine learning were on everyone's lips, INFORM was already developing intelligent algorithms for its software products. These algorithms complement classic IT systems by analysing large amounts of data in seconds.

SYSTEMS WITH DIGITAL DECISION MAKING

Digital decision making systems from INFORM propose independently optimized solutions to the user for implementation.

INFORMATION SYSTEMS

Information is merely managed and does not provide users with any support in decision-making.

INFORM supplements classic IT systems with mathematical Algorithms based on Operations Research.
Using our optimization software you can act

Intelligent
With a high planning quality appropriate to the complexity

Quick
With short computing times and fast adaptability of the algorithms

Interactive
In cooperation with people who are always in control

SYNCROTESS – the IT solution for optimized load carrier management. The software combines lower costs with better planning quality and excellent service.