



SuCES-RFID

SuCES-RFID System Integration

One of the major demands on transport service providers is continuous transparency along the flow of material and the supply chain. Typical requirements range from a single point identification of loaded containers up to a complete and online-tracking of single articles. The logistical supply chain should be controlled and optimised and data exchange within the company should be simplified. Facing these challenges, the use of RFID technology offers exciting new possibilities.

We see ourselves as partner for the conception and integration of future-oriented software and system solutions. Consultancy services during all phases of the project are provided.

Consultancy

ESG's consultancy services are in line with the optimisation of business processes and enhancement of overall profitability. Our services usually start with a comprehensive analysis followed by the concept, project planning and design. Highly qualified employees with a wide experience and our product neutrality ensure that the best solution is realised.

Analysis

Most mistakes in the development of software and systems are due to misunderstandings. Thus, when analysing logistical processes, ESG first of all uses proven methods. All experiences are then gathered together in a database, forming the basis for best practice.

Concept

Insights and dependencies which have been pinpointed during the analysis are fully integrated in the concept. Furthermore, important milestones are defined and the hardware and software is chosen.

Hardware

In view of new, faster developing technologies like RFID, choosing and purchasing the right hardware is becoming more and more important. A brand-new technology is not always the right solution for the respective project. Our experts ensure that only those systems come into operation that fulfil the project requirements 100% and are state-of-the-art.

HIGHLIGHTS

RFID

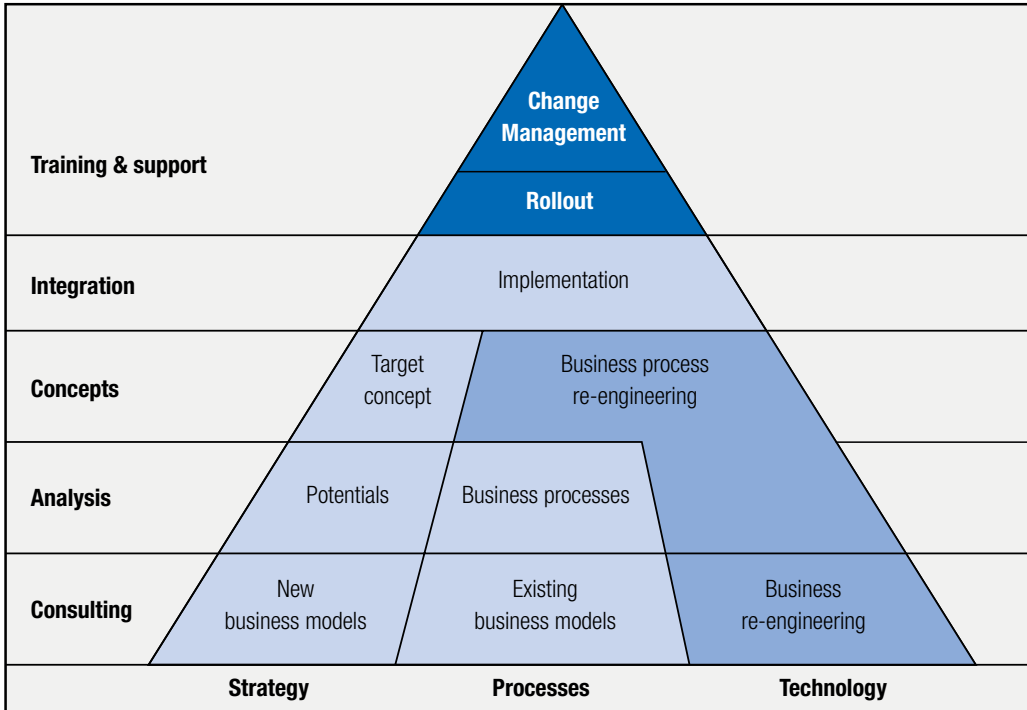
„Radio Frequency Identification“

Is a contactless data transfer on the physical basis of alternating electromagnetic fields.

RFID systems consist of a transponder and a mobile or stationary read/write device with antenna.

There is a difference in power supply for the transponder:

- ▶ active (with battery for an independent power supply)
- ▶ passive (the power is supplied inductively from the read/write device)



Advantages of SuCES-RFID

- ▶ The time required for identification is in the order of milliseconds
- ▶ Minimisation of transportation risks, such as misdirected delivery, theft
- ▶ Identification solid-state – without visual contact
- ▶ Alerts when defined process discrepancies occur
- ▶ Complete tracking of the whole supply chain consisting of different parties
- ▶ Bulk identification
- ▶ High memory volume

Software Development

For 40 years, ESG has been developing software for different industries and application areas. Quality and the application of different development models like V-Model, CMM or CMMi belong to our range of services. Information technology enables us to manage complex processes in the company and to improve business processes. As a neutral observer, it is easy for us to see different ways of doing things, not only where core processes are concerned but in the whole periphery.

System Integration

With competence, experience and process understanding we combine different technologies, systems, hardware and software from various producers in custom-made, ready-to-use solutions. In doing so, we also take on coordinating functions, such as acting as an interface between the IT department and the project team itself.

Hardware and Software Maintenance

Only the continuous maintenance of hardware and regular software updates guarantee a frictionless and, even more important, technological state-of-the-art system operation.

Operation

The operation of systems and software therefore nearly completes our range of services. Rapid changes in the development of hardware and software in particular often require quick adjustments.

Financing

According to project requirements we offer financial services and create – together with partners – individual financial packages.