

■ KUKA Solution Services

- ... if you value continuity and seamless interaction of components throughout your system.
- ... if reducing the chance of process duplication matters.
- ... if mitigating risk and minimizing vendor management so that more focus is placed on your solution holds value for you.

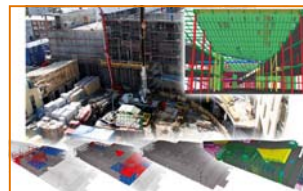


Implementing automation at any level is no easy task, but when many sub-systems are involved you want to mitigate your risks and simplify things as much as possible. Today's automated systems are able to do more and have stretched the envelope of technology, but with advancement comes complexity. Not complexity in the hardware or software, per se, but complexity in the integration and implementation of the solution. As a manufacturer you don't need complex, you need simple.

KUKA Systems' approach to integration **IS** simple: know your customer, know your customer's business. We know the value of true integration based around a complete knowledge of the supply chain. Every time you modify your production line, warehouse or distribution center, you impact the rest of the supply chain upstream or downstream. Automating one portion of the process may simply move the challenges to another step in the supply chain. At KUKA Systems we get that and so we make it our business to understand yours.

Effective project planning and management reinforce the success and reputation of our integrated solutions. A typical project involves several key aspects throughout the planning and implementation process that make it successful:

- **Consulting & Analysis**
- **Material Flow Analysis**
- **Business Trending & Projecting**
- **Project Management**
- **Site Management**
- **Manufacturing and Design Management**
- **Automation Engineering**
- **Purchasing and Contract Management**
- **Risk Management**

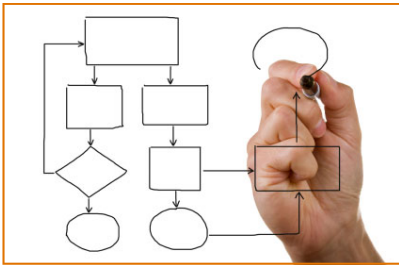


THE BENEFITS
■ Single-source solution, from planning to the world-wide after sales support
■ Seamless flow of information between systems
■ Project risk mitigation
■ Business assessment & planning
■ Reduction of installation and start-up costs
■ Optimized solutions through material flow simulation(s)
■ Continuity of communication and management throughout project



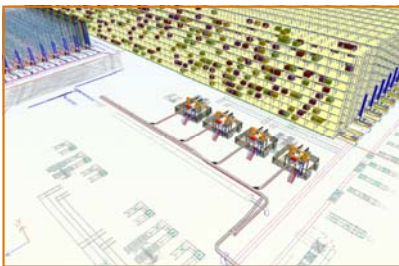
CONSULTING & ANALYSIS

- Engineering Studies
- Data Analysis
- Material Flow Analysis
- Business Trends and Projections



PROJECT MANAGEMENT

KUKA Systems realizes that good project management is critical to successful project completion. Our Project Managers have knowledge of advanced scheduling techniques and are trained in modern management methods. In other words, a KUKA Systems Project Manager is not only an engineer but has a complete range of skills that are essential to successful system implementation.



MANUFACTURING & DESIGN MANAGEMENT

One of the unique features that sets KUKA Systems apart is our ability to provide engineered-to-order solutions that meet the specific automation requirements for each individual application. Over the years, KUKA Systems has integrated innovative technology to help determine the best solution for each customer. Our manufacturing and design management ensure that all components of the integrated solution are designed, tested, and implemented to meet industry standards.



AUTOMATION ENGINEERING

The project is only as good as the engineers who implement it. KUKA Systems has long since recognized this since installing its first system decades ago. This is why KUKA Systems has made it a priority to staff only the most knowledgeable, proven, and experienced people in the industry. With a wealth of industry experience per engineer, KUKA Systems is well established to ensure each customer that his/her project will be completed accurately, efficiently, and with quality at the forefront of each task endeavored.



SITE MANAGEMENT

Site management is a critical aspect for project control. During the peak of the construction process, project performance grows in complexity as more providers, vendors and subcontractors mobilize at the site.

KUKA Systems provides a site manager on the job site starting at the beginning of every installation to oversee construction and installation activities. KUKA Systems' site manager will assure that the KUKA Systems expertise and experience will go into every project.

KUKA

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WOULD YOU LIKE MORE INFORMATION ABOUT HOW KUKA SYSTEMS CAN HELP YOU REDUCE YOUR COSTS, OPTIMIZE YOUR OPERATIONS, AND IMPLEMENT A FLEXIBLE SOLUTION FOR NOW AND THE FUTURE?

CONTACT US AT LOGISTICSSOLUTIONS@KUKANAO.COM OR CALL +1 586 795 2000.



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