

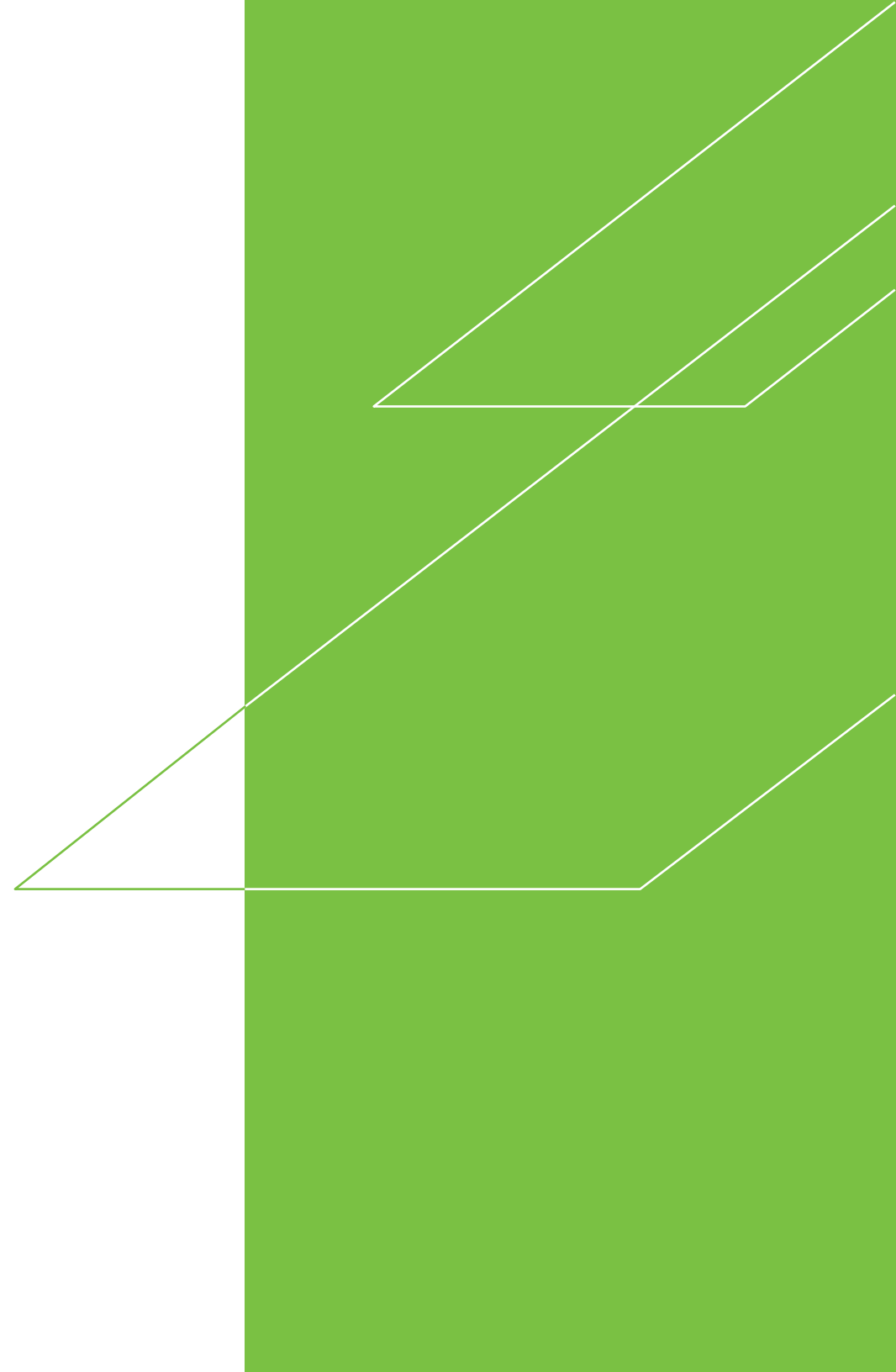
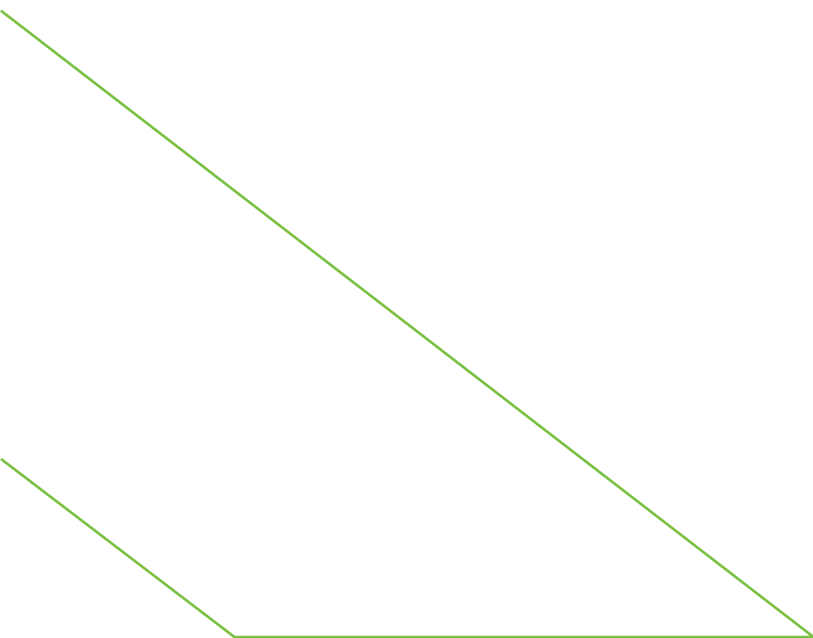


www.kbae.com

KBAE is a company that offers solutions for the optimal development and application of your company's resources and technologies.

The information systems are essential to take decisions and to plan strategically. An appropriate data processing results in an intelligent management of the measures which converges in the processes that compose your entrepreneurial project. Knowing those measures in detail allows leaders to detect in advance the opportunity areas to apply reengineering.

KBAE guarantees the appropriate operation of industrial equipment, technology implementations, track of processes and its evaluation to permanently check the accomplishment of your business' goals, including regulations and the preservation of the environment.



Software Development

We create applications to get the full potential of the information from the different departments in your company; we also develop custom reports for managers to control and analyze processes, and to evaluate results.

- Outsourcing of specialized IT personnel.
- Database administration.
- Custom software development to take full advantage from the ERP in your company.
- Custom software development using web and desktop technologies.

For Manufacturing Areas

- Scorecards systems.
- Process management systems.
- Real-time measure tracking systems.
- Manufacturing events systems.

For Administrative Areas

- Payment administration systems.
- Access control systems.
- Financial indicator systems.
- Inventory systems.
- Performance evaluation systems.



Data Acquisition Systems and Real-time Tracking Systems

These systems let you know in detail the performance of your equipment and machinery, monitor them permanently or in real-time to get a detail view of the measures which intervene in the manufacturing process and their impact in results: efficiency, product quality, downtimes, uptimes, rejected items, etc.

- Outsourcing of specialized personnel.
- Installation of data acquisition systems.
- Administration of data acquisition systems.
- Migration of data acquisition systems.
- Maintenance of data acquisition systems.
- Backup process implementation in hard drives, tapes, etc.
- Reporting systems development to get full advantage of the acquired information from your equipment and machinery.
- PLC programming for data acquisition in brands: Allen Bradley, Siemens, Mitsubishi, Telemecanique, Honeywell, etc.
- Design and implementation of network architecture for data transferring in different types of communication: Ethernet, Profibus, DH+, etc.



Design Engineering

Your ideas come true. We analyze the production processes and technology; we design, plan and supervise the full project or a reengineering.

- Outsourcing of specialized personnel.
- General scope of the project.
- Coordination of the development of project engineering and working sessions.
- Guarantee the use of organizational documentation and standards.
- Lists of information and information exchange with signatures of people from the engineering department.
- Revision and comments on the "Defect Prevention Check List".
- Contact key vendors of equipment, specifications definition and standards.
- Creation of design basis, scopes and deliverables for engineering tenders organized by the organization.
- Gantt chart for engineering and design.
- List and general specifications of big equipment.
- Requisitions of equipment and services.
- Working sessions with vendors.
- Execution plan for engineering and strategies.
- Minutes for design reviews.



In-house Engineering

- Conceptual catalogues (mechanicals, pipes.)
- DTI's, layouts.
- Pipelining assessments and isometric.
- Equipment data sheets.
- Coordination of ESO disciplines engineering.
- Mechanical plans of accessories.
- Mechanical as-built.

Construction

- Quality validation in construction versus scope (to ensure the equipment is installed following the design.)
- Validation of the installation and proper equipment use.
- Support to the construction revisions (review of defects.)



Wastewater Treatment and Renewable Energy

As a social responsible company, we take care of the environment creating custom solutions with cutting-edge technology that will help your organization to fulfill regulations, including significant savings in reuse of wastewater and efficiency in energy consumption.

- Outsourcing of specialized personnel.
- Engineering and design of wastewater treatment plants.
- Reengineering and design of wastewater treatment plants.
- Operation and maintenance of wastewater treatment plants.
- Operation, service and maintenance of boilers.
- Analysis of working processes which help to optimize the operation of boilers, steam generators, and equipment that operate with electric energy.
- Selling of energy-saving lamps (LED technology) and installation by an external or internal modular system.
- Selling of solar panels and installation by a modular system.



Control and Automation

Automation of the equipment and processes is basic to keep your organization in a competitive level, allowing your organization to generate an optimal performance in manufacturing. Automation allows a better control of time and movements, quality assurance, reduction of scrap, increase of operation efficiency, removal of human errors and decrease of workforce.

- Outsourcing of specialized personnel.
- PLC Programming for these brands: Allen Bradley, Siemens, Mitsubishi, Telemecanique, Honeywell, etc.
- Design and implementation of network architecture.
- Installation of PLC's.
- Automation of processes.
- Installation and configuration of panel views.



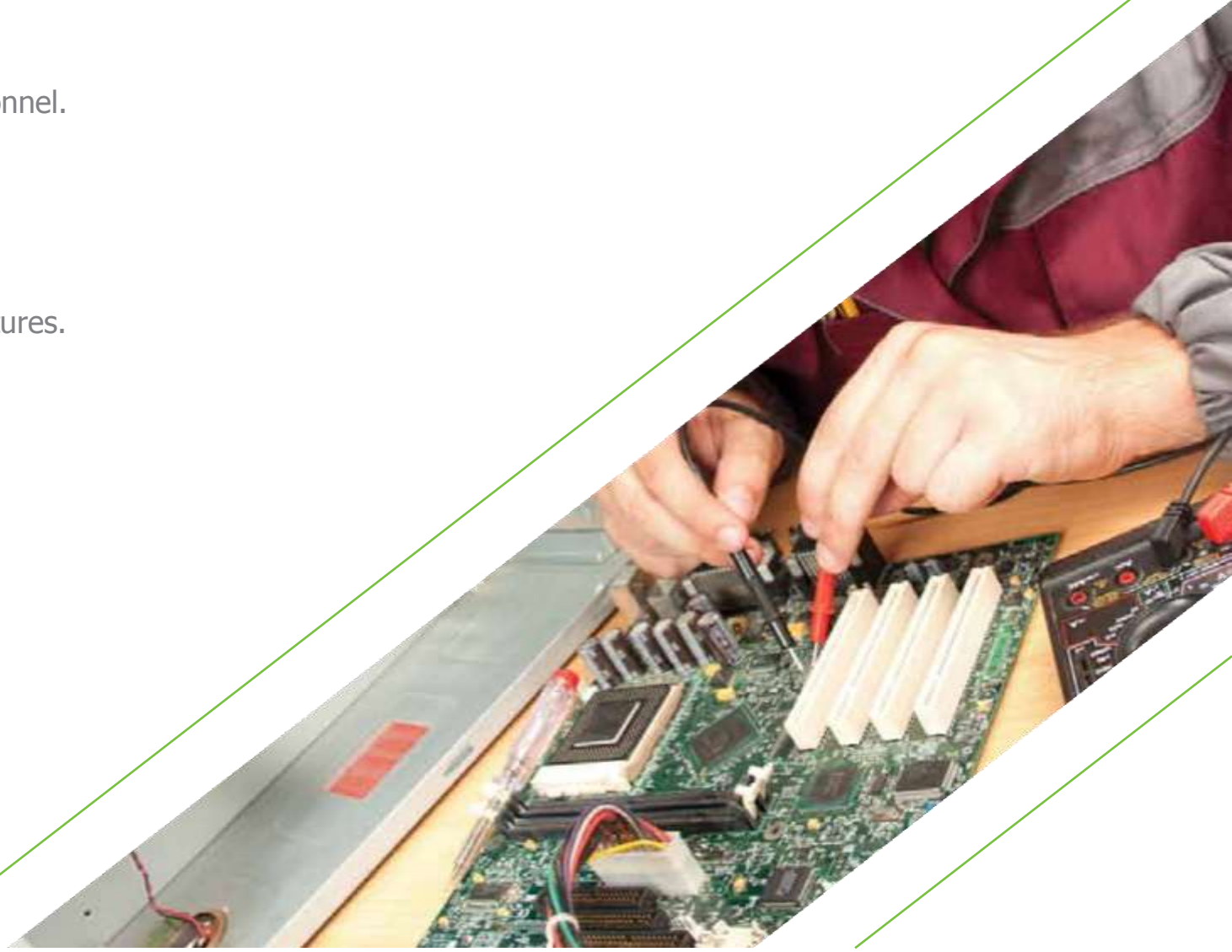
Administration and Maintenance of Computing Equipment, Networks and Data

Today Information Technologies are very important to increase the efficiency in a company. When they are properly applied they generate savings, avoid unnecessary expenses, and also offer security to your investment and operation, as long as you preserve the good operation of computers, printers, networks, servers, data centers, databases, backups, among others.

- Outsourcing of specialized personnel.

Infrastructure

- Rack of servers.
- Rack of communications.
- Structured cabling.
- Integration of different architectures.
- Application server.
- Web server.
- E-mail server.
- Database server.



- Communications server.
- Domain controller server.
- Backup server.
- Printer server.
- Firewalls.
- Routers and other network equipment.

Maintenance of Computing Equipment

- Preventive maintenance.
- Progressive maintenance.
- Corrective maintenance.
- Information backups.
- 24 hr. support.

Networks

- Routers and network equipment.
- Wireless solutions.
- VLAN solutions (virtual networks.)
- Remote access solutions.
- Integration of networks in multiple locations.





contacto@kbae.com
Jose Maria Ochoa No. 486
Fraccionamiento Los Candiles.
Queretaro, Queretaro, Mexico.
Phone / Fax: +52 (442) 228 2700