

1995-1996

A is for Aspect. The ability to see a problem from all different angles. The best solution is not always the most obvious solution. We have the experience required to review your systems and provide the best solution.

B is for Business. To stay in business today requires the proper tools. System automation can provide the competitive edge necessary to succeed. Our business is helping your business find the proper automation solutions.

C is for Control. A system not in control is wasting money. We provide complete control system solutions including engineering, programming, drawings, and start-up services.

D is for Data. The proper acquisition of data can provide you with the information necessary to improve quality and productivity. Systems that can provide up to date information are available and can be connected to your process.

2005-2006

A is for Able. At Able-Baker Automation we are ready, willing, and able to deal with your control system problems. From servo and stepper control of dedicated machines, to integrated plant-wide process control, (with remote international monitoring) we have all of the answers.

B is for Blarney. OK we don't really have all of the answers, but we do have a lot of experience finding good solutions to difficult problems.

C is for Control. A system not in control is wasting money. We provide complete control system solutions including engineering, software development and programming, wiring drawings, installation supervision and start-up services.

D is for Data. An artificial life form of the twenty-seventh century. (OK, so I've seen way too many Star Trek episodes.) The robot systems we design do not even come close, (think amoeba) but they do perform repetitive industrial tasks without complaint, and they are available now. (Data, on the other hand won't be available for another 700 years.)

E is for Efficiency. Automation can make almost any plant more efficient. Facilities that are easy to operate promote productivity. Increased productivity is the key to success in the new global economy.

F is for Factories. The backbone of American industry. Factory automation starts at the machine level and can be integrated into plantwide networks. Automated systems provide higher levels of quality and are easier to validate and document.

G is for global economy. Even regional companies must compete globally. Automation can provide the advantages necessary to survive in today's competitive world.

H is for Histogram. Statistical Process Control (SPC) charts can provide the information necessary to optimize your process control system. Data can be acquired automatically by PLCs or personal computers.

E is for Efficiency. Automation can make almost any plant more efficient. Facilities that are easy to operate promote productivity. Increased productivity is the key to success in the new global economy.

F is for Factories. The backbone of American industry. (Those that haven't been turned into strip malls or condominiums.) As Factories move further away (say perhaps, China) remote monitoring becomes more important. We can provide a secure window into your operations that can be viewed from anywhere in the world.

G is for Global Economy. Even regional companies must compete globally. (This is why I spent most of last year in Nansha and Kematen.) Automation provides the advantages necessary to survive in today's competitive world.

H is for Hawaii. This is where they never seem to locate manufacturing plants. We can provide secure remote monitoring capabilities over the internet. Wouldn't you like to be able to monitor your facility from Hawaii?

I is for integration.
Combining the best products from a multitude of sources to provide a complete solution. Successful integration requires experience, patience, and talent.

J is for Job. If your job involves control systems maybe we can help. Consultants can provide a new perspective to old problems. Our experience from several diverse industries and with many different hardware platforms may lead to some new solutions. (And wouldn't you like to spend more time at home?)

I is for Integration.
Combining the best products from a multitude of sources to provide a complete solution. Successful integration requires experience, patience, and talent. (Modesty also helps.)

J is for Job. If your job involves control systems we can help. We can provide a new perspective to old problems. Our experience from diverse industries and with many different hardware platforms can lead to some new solutions. (And wouldn't you like to spend more time at home?)

K is for Knowledge.
Knowledge comes from experience and training. Our experience will allow us to solve your automation problems.

We know how start and complete projects that are not only successful, but also fully documented.

L is for Logic. The ability to break down complex problems into logical units is the first step in developing an automation system. We can help put together the necessary hardware and software solutions. We can provide logic diagrams, control system wiring drawings and instrument specifications.

K is for Knowledge.
Knowledge comes from experience and training. Our experience will allow us to solve your automation problems. We start and complete projects that are not only successful, but also fully documented.

L is for Logic. The ability to break down complex problems into logical units is the first step in developing a successful automation system. Sadly, logic is often missing from everyday life. For example, Knowledge starting with a "K".

M is for Machine. Machine control is getting more complex as machines are required to perform more complicated and precise tasks. We have had experience with Variable Speed Drives (AC and DC), stepper and servo systems. Integrating motion control with plant wide networks can provide for flexible work systems.

M is for New technologies. Neural nets may provide solutions to problems too complex for conventional algorithms. New network systems, fuzzy logic, artificial intelligence... New tools are arriving everyday.

O is for Operator. The success of any control system relies on its acceptance by the operators. It is important to involve the operators in all phases of the design process. We work as a team with your operators and engineers to provide a system that is workable.

P is for Programmable Logic Controllers (PLCs). We have programmed PLCs manufactured by: Allen Bradley, Siemens, General Electric, Square D, Modicon, OMRON, Mitsubishi, Control Technology Corporation, Festo, Reliance, and many others.

M is for Machine. We have had experience with variable speed drives (AC and DC), stepper and servo systems. Integrating motion control with plant wide networks can provide for flexible systems. People have to multitask why shouldn't machines?

N is for Null, Nada, Nothing. The most common response from an incorrectly constructed query. SQL databases are revolutionizing the way we look at data, but they are picky, picky, picky. Why not let us sweat the details?

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P is for People. We see the role of Automation as a method to improve people's lives. From CEO to Operator the goal is to make things easier for everyone. Life is stressful enough, your control system doesn't have to add to it. So how about a 36 hour work week?

2005-2006



Q is for Quality. Statistical Process Control (SPC) can lead to substantial improvements in product quality. Tweaking your process before things get out of hand can result in greater productivity. Real Time Control Charts can make this a reality.



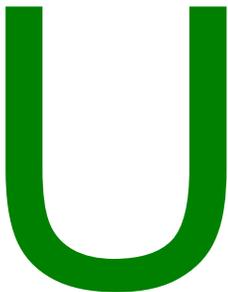
S is for Structure. A well structured program is much easier to follow than a poorly written program. Spaghetti code, suspicious subroutines and undocumented software have no place in the real world. (Don't even get me started on hidden properties.)



R is for Reliability. Control Systems must be reliable. We design and built robust systems for clients in many industries. We can remotely monitor your control system, and while we can provide service 24/7 we shouldn't have to. (We don't like 2AM phone calls either.)



T is for Technicians. These are the people who troubleshoot systems day in and day out. Well written code can make their life easier. PLCs can be great troubleshooting aides, but only if someone can follow the program.



U is for Uniformity. Products that are consistent are easier to produce and more popular with consumers. Whether the object is a cooking oil that is "a bland and tasteless product" or drugs accurately dispensed in microgram dosages, automation is critical.



W is for Wendell's Wide Wonderful World of Automation. Control Systems Engineering is a wonderful occupation. It is always changing and challenging. There are always new things to learn. (Enthusiasm is catching isn't it?)



X is for xerography. Before there were copy machines, there was carbon paper. (I'm dating myself aren't I.) Remember punch cards and Fortran? How about pneumatic panels and relay logic? It's a whole lot easier to change a line of code than to rewire a relay panel!



V is for Validation. While all systems should operate properly, in certain cases proper operation must be validated (think FDA). We can design systems that are easy to validate and even help with the IQ, OQ, and PQ documentation.



is for Yield. Increasing yield is an excellent way to increase productivity. (It tends to work better than repeatedly yelling "Go Faster"). Automation can improve yields (and if you really feel the need to

complain you can always call up the integrator and ask: "Can't you make it go faster?")



is for Zero. Zero defects leads to a really good yield calculation. Automation can help reduce defects and diagnose where defects are coming from. Zero defects 24/7? Probably not. But

being able to get fewer defects with less down time, and find the defects before they leave the factory: Priceless.



is for integration. Combining items so that the whole is greater than the sum of the parts. Add a little engineering know-how and the whole can be even better. The experience to integrate components from several different manufacturers makes us a valuable resource in putting together integrated systems.



is for infinity. This is a mathematical representation for the stuff we haven't thought of yet. Control System Engineering and automation possibilities are expanding as fast as the universe.

Staying up with the changes, but a little back from the "cutting" (bleeding) edge, makes this a very exciting field.

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is for dollars. Integration services cost money. Automation Systems cost money. Braces cost money. (Sorry I have a nine-year old son). Maximizing return on investment is an important

aspect in any project.

If there isn't value in a project being done then we're all wasting our time.



is for cents. Saving a few cents here and there can add up to big dollars. Making systems safer can avoid costly litigation (and is the right thing to do). Improving your worker's quality of life can lead to productivity

gains. Automation is a tool to accomplish these goals.

Special Collector's Edition



is for MCC - Mission Controls Company. The premier supplier of custom control enclosures for the West Coast, no strike that, the United States, no wait, the World...no, make that the Universe!



is for Null, Nada, Nothing. As in our current backlog. I'm not saying we're desperate, No wait... we are desperate. Seen any jobs walking by recently? Can I stand outside your

shop with a "Will work for exorbitant fees" billboard?