



The next level in control system integration

Why RoviSys CSI?

Because we envision, engineer and execute process controls projects on time and budget— project after project.

Because we create true turnkey systems that you can upgrade, service and support yourself or through a number of qualified vendors, including, but not limited to, RoviSys.

Because you want control systems engineered for your needs using the best available and proven solutions.

Because we focus on completing the project at hand.

Broad resources, deep experience

Since it's founding as one of the first control systems integrators in North America in 1989, RoviSys has grown to more than 100 people providing a variety of process automation solutions and services in a number of industries.

Today, the company has the resources and skills to solve and support practically any process automation and integration challenge. This breadth of resources and depth of experience makes RoviSys an excellent choice for companies looking for advanced and proven solutions.

RoviSys has become the leading independent provider of process automation solutions by:

- Providing clients with the vision and perspective required to imagine the most beneficial solution
- Recommending effective combinations of technology and services to achieve that vision
- Intently focusing on producing meaningful results

RoviSys divisions

- Process control system engineering and integration
- Information integration
- Pharmaceutical and biotechnology validation
- Product development services and software engineering
- Business Solutions cMES: Unifying process and business information to make manufacturers more effective plus collaborative business solutions including the GrandView projects management system

For more information

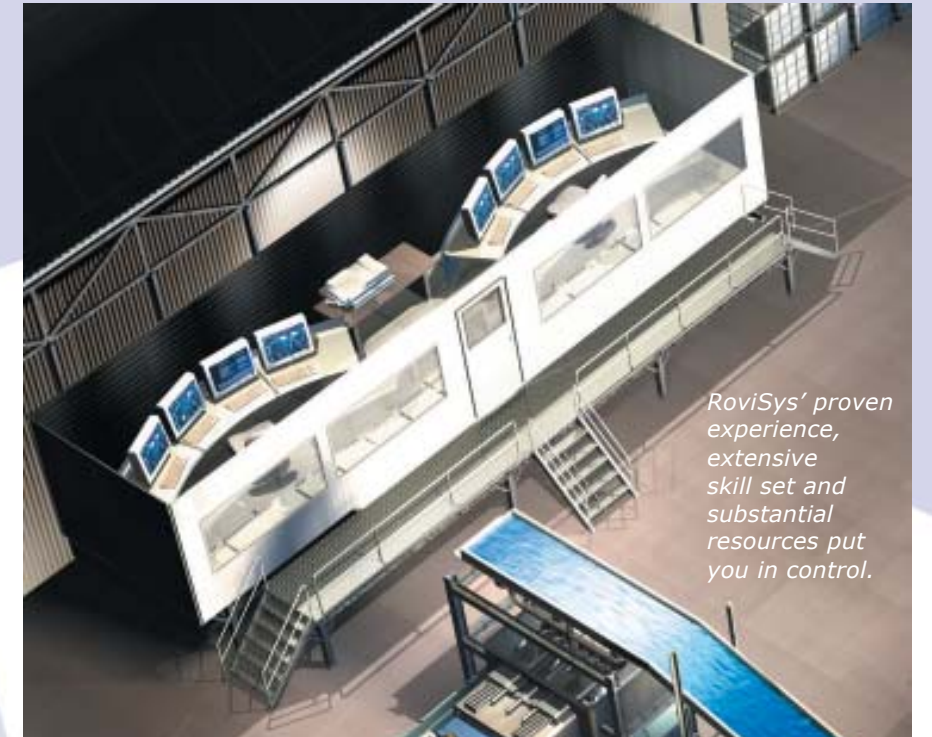
For additional information on RoviSys process control systems integration and automation services, contact Dick Ciammaichella, RoviSys CSI director, at 330-562-8700 or by e-mail at ciammaichella@rovisys.com.

RoviSys CSI is the Control Systems Integration division of The RoviSys Company, a leading independent process automation provider in North America. CSI works with clients to define control and related process automation needs, design systems using the best available and proven technologies to meet those needs; and provide complete implementation, training, service, support and ongoing collaboration.

Unique capabilities

by accessing RoviSys' unique combination of experience, resources, capabilities, vendor-independent philosophy and proven project management methodology and systems, companies can move to the next level in control system integration and process automation. RoviSys CSI brings to every challenge:

- A proven ability to effectively deliver comprehensive and high-level skills and resources to projects of all sizes, from single technology small budget efforts to massive multi-discipline control, automation and information integration initiatives.
- A disciplined focus on completing individual projects on time and within budget.
- An emphasis on building into every project maximum integration to current systems *as well as* possibilities for future expansion, enhancement and change.
- Thorough expertise in today's leading automation, control and development technologies, matched with a steadfast commitment to recommending those that create the best possible results for clients.



RoviSys' proven experience, extensive skill set and substantial resources put you in control.

RoviSys CSI services

Batch and continuous process clients can use RoviSys CSI for individual services, any combination of services or from project concept to completion—and beyond. Available services include:

- Evaluation including the technical *and* business impact of control system choices
- Design and implementation
- Project management
- System testing and start-up
- Training
- Complete systems support
- Ongoing control, integration and automation collaboration

Inject RoviSys CSI into your process to move to the next level in controls—and hit your project targets.



Because the resources needed to start and complete your control project are already working together under one roof, ready to respond to even the most unanticipated or difficult challenge.

Because our proven project management and client collaboration standards and systems provide unprecedented real-time insight into your jobs—and allow us to cost-effectively apply high-level skills to every project, even "small" ones.

Because you get the benefits of experience. Since 1989, we've commissioned more than a thousand control systems for

hundreds of clients. Our CSI staff routinely works with multiple technologies in many industries. And previously, many of them worked for major instrumentation and control companies.

Because you get great results, project by project, *project after project*.





Client focus and vendor independence give you control systems that are:

Unlike proprietary systems providers or single-technology integrators, RoviSys consistently delivers solutions using the best available systems and components.

Whenever possible, we design primarily DCS-, PLC- and PC-based control solutions using widely available open-systems components. Such systems cost less to purchase, implement, maintain and support. And almost all RoviSys systems can be supported in-house, by us or through providers in addition to RoviSys.

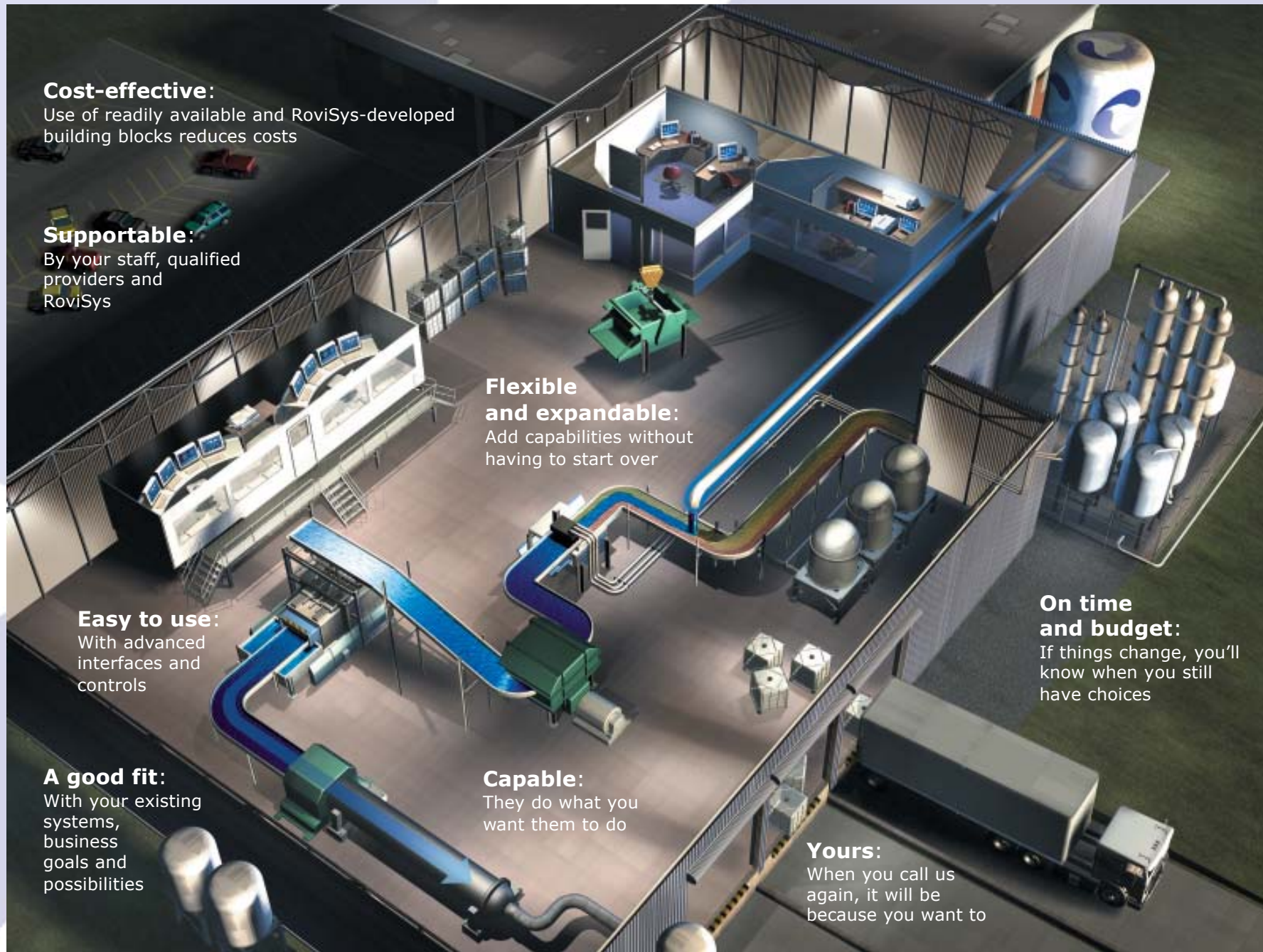
Key vendor relationships

Although we rigorously maintain vendor and technology independence, we have close working relationships with key component and systems providers—as well as advanced expertise in creating solutions using their technologies. Key relationships include:

- Allen-Bradley
- Siemens
- Intellution
- RTP
- Rockwell Software
- OSIsoft PI System
- Emerson Process Management

Scope of work

Clients use RoviSys from projects ranging from a single loop up to plant-wide systems of a 100,000 points or more. Our internal project collaboration and execution systems allow us to effectively communicate with clients on and manage even smaller projects.



Experience and expertise

RoviSys has successfully commissioned more than 1,000 control systems for hundreds of clients. While the company's problem solving approach and project management expertise can benefit companies in any industry, RoviSys has particularly deep experience delivering successful process control applications in:

- Fine Chemicals
- Glass and metals
- Food and Beverage
- Pharmaceuticals
- Steam and process utility automation

Technical consultation

RoviSys can help you determine your control system and total process automation needs, perform on-site reviews, then prepare written plans, project justification and management presentations. Completed consultation projects include:

- Process assessment and recommendations for advanced control strategies and comprehensive automation solutions
- Long term planning of process-wide control strategies and architectures with incremental implementation
- Formulation of system technology strategies for quality and cost

RoviSys CSI turnkey capabilities include:

- Technical specification, capital appropriation and RFQ preparation
- Equipment selection
- Batch, continuous and sequential logic
- LAN design and implementation
- Operator and engineer interface
- Instrumentation
- Panel design and assembly
- System staging and testing
- Installation
- Field commissioning
- Custom training of maintenance staff, operators and engineers

- Facility wide integration as well as integration with business systems
- Data communication structures
- Industrial standards for hardware and software platforms
- Installed system cost
- Quality control procedures and costs