



AutomationSolutions Automation Resource Center (ARC)

Engineering Services

AutomationSolutions offers a systematic approach to automation assurance through a structured set of engineering services, which when combined, are the essential steps necessary to complete a turn-key project. These services are offered unbundled depending on the level of integration desired to meet specific application requirements.

- ***Project development assistance (PDA):***
When specifications are not available but need development, or when a project requires an engineering study or feasibility research, then PDA is recommended prior to investing in a final solution.
- ***Software programming assistance (SPA):***
For those applications where only machine automation products (MAP) are sold, SPA is offered to program the hardware to mutually understood specifications.
- ***Certified drawings and documentation (CDD):***
Many MAP sales require drawings and documentation to assure proper mounting and connectivity. Many connection drawings are archived, or can be created to provide certified documentation to allow you to complete the integration successfully.
- ***System packaging services (SPS):***
Many MAP projects may require packaging only. Normally, packaging services are provided complete with CDD depending on the complexity. Machine envelope configurations are also available using our aluminum frame technology.
- ***Installation and start-up services (ISS):***
Such services are generally offered on a time and material basis, unless a specific number of days are included with a turn-key project.
- ***Dedicated training programs (DTP):***
Most turn-key, and some MAP projects, require training programs tailored specifically to the application and technology involved in a solution. These are done at an ARC location or at the customer's site.
- ***Extended service agreements (ESA):***
Many 24-hour-a-day operations require extended warranty on the solution and/or equipment. Also available are maintenance contracts that include emergency and scheduled services.

Combined, these services provide a turn-key solution when incorporated with the optimally selected machine automation products.