



Project Management

To succeed in today's business environment, organizations require effective project management, but organizations often lack the expertise or personnel to successfully manage large, complex programs. CAE's Professional Services group offers a full range of project management services to assist clients in managing projects and improving project management capabilities. The CAE project management team of PMP-certified professionals differentiates itself through our user-centred, simulation-based project management processes, which support the complete project life cycle leading to effective management of project complexities and resulting in increased project success.

Complete project life cycle support

CAE Professional Services offers a comprehensive suite of project management services supporting each phase of the project life cycle. Our team helps clients optimize project delivery by managing entire projects or by providing specialized expertise to particular project phases, such as project plan development and comprehensive risk management. Our project management services include:

- Project planning
- Project scope definition
- Portfolio management
- Project management capability assessment and development
- Project recovery
- Project simulation
- Research and development project management

Project planning

CAE's project management experts are instrumental to clients in the development of project concepts, strategies, and detailed planning regarding the scope, schedule, cost, and team requirements of a project. This service is often linked with a project proposal or competitive evaluation process.

Project scope definition

A project's success is often determined by a clear definition up-front and then managing scope. Over 85 percent of projects fail due to a lack of understanding or communication of project requirements. Our project management team specializes in the development of detailed project requirements, including requirements definition and statement of requirements (SOR)/operational requirements development (ORD). Through our visualization and simulation-based services, project requirements are used to create a visual representation of the project's end product. This visualization of project output is often included as a specialty service to allow client teams to "See the Finish Before You Start™".

Portfolio management

CAE Professional Services team provides clients with the expertise required to oversee the development and operation of portfolio management processes and infrastructure within their organization. Through portfolio management, clients use high-level management 'dashboards' to effectively share resources across multiple projects. This helps to ensure the resources are optimized, workload distribution is coordinated, and earned value management (EVM) principles are applied across the organization.



Project management capability development

CAE's project management team assists clients in building and strengthening their own project management teams. We provide objective assessments and follow-on assistance in the development of client organizations' project management capability through training and mentoring programs. Our team works with clients to improve team knowledge levels, establish effective team work strategies, develop and implement project management processes, and create continual improvement programs in all areas of project management.



Project recovery

When projects lose their focus and are in danger of failing, clients engage our project management experts to provide recovery support services. Our team conducts detailed analysis of projects that are not succeeding and works with the client's project team to develop and implement a recovery plan.

Project simulation

Through project simulation, clients can "see the finish before you start". Our unique approach to collaborative project visualization provides project team members and stakeholders with a shared 'mental model' of a project, so project deliverables meet expectations. Project simulation enables our clients to visually anticipate project outcomes, see how project tradeoffs will affect project end results, and successfully share information about project objectives among all stakeholders.



Research and development project management

CAE Professional Services experts have extensive experience successfully managing multi-million dollar research and development (R&D) projects. Our R&D project management approach realistically structures work tasks, recognizes that R&D projects are complex and multi-phased with inputs cascading across subsequent phases, and acknowledges that technical and scientific teams want to focus on technical results. We can help scientific teams obtain funding by providing structure to projects and managing both internal and external interfaces so that scientists and engineers can maintain focus on what they do best – R&D.

Project example – CB+ chamber CRTI project

CAE Professional Services was contracted to act as the deputy project manager for the CB+ Chamber CRTI Technology Acceleration project, a three-year project involving team members across Canada and internationally. The project defined and delivered a chemical and biological warfare agent test chamber, which was integrated with articulated human form mannequins and used in the testing and evaluation of chemical and biological warfare protective clothing and equipment.

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