



# PROJECT PLANNING AND MANAGEMENT

***Our Project Planning and Management Team offers a wide range of expertise in fields such as Planning, Staffing and Coordination of Technical Specialist Support. The Project Team's experience includes Front End Loading and direction of Detailed Engineering, Project Management, and Cost Estimating.***

<b>Rob Hontz</b>	Rob has 35 years experience in Project and Construction Management. He has had responsibility for Projects with over \$200 million in capital costs and has particular expertise in large equipment crane lifts.
<b>Elaine Parsons</b>	Elaine has over 10 years of experience in Facilities Planning. She has extensive experience in developing and using long range planning models for refinery operations.
<b>Ted Druckenmiller</b>	Ted has 43 years of experience in Offsites Engineering and Project Management. His expertise includes design, construction, project management, and assessment of utilities and offsite services for process marine terminal and loading and power system facilities.
<b>John Rowley</b>	John has over 25 years of experience in the Project Management field including engineering, construction, and capital projects. As the business manager for large, grassroots projects, he has gained considerable experience with contract administration and project control.
<b>David Aldrich</b>	David has over 30 years of experience in the Project Management field. His areas of expertise include capital project management dealing with design and implementation of refinery and chemical plant facilities, as well as international experience in engineering and project management.
<b>Dottie Gribas</b>	Dottie has 25 years of experience in the Cost Estimating and Data Analysis fields. She has extensive background in the oil industry working with contractors, vendors, and oil refineries worldwide.

**Robert Heinzman**

Bob has over 40 years of experience in the development and management of major capital projects for the process industry. He has specific expertise at management/supervisory and working level roles, including project management/engineering, contracting/subcontracting, project execution planning, cost engineering and control, construction management/engineering, and schedule engineering and control.

**Bruce Hillyer**

Bruce has over 30 years of experience in mechanical engineering, including over 15 years leading groups of up to six technical and twenty represented staff. His strengths include broad-based research project management and product testing for internal and external customers, managing day-to-day activities while maintaining deadlines and deliverables, and organizing and coordinating product development activities, staff, and budgets.

**Tom Whelahan**

Tom has over 40 years of experience in a variety of project management positions. Some of his positions have included contract engineer, front end offsites design engineer, subcontracts manager, project coordinator, and project purchasing manager. He has significant expertise in project contracting and planning.

**Skip Downey**

Skip has over 45 years of worldwide experience in Process Plant Layout Development. His areas of specialty include developing efficient, safe, and cost effective equipment and piping layouts for process plants.

*Please contact us if you would like to receive the detailed resume of any of our expert engineers.*



4 West Main Street, Rockaway, NJ 07866  
Telephone: 973-627-4455 • Fax: 973-627-3133

**Website:** [www.carmagen.com](http://www.carmagen.com) • **E-mail:** [carmagen@carmagen.com](mailto:carmagen@carmagen.com)

Project Planning  
and Execution

Project  
Management



# WHAT CAN WE DO FOR YOU IN PROJECT SERVICES?

*We don't necessarily want to manage your whole engineering & construction project – but we can get you through some of the tough spots.*

<p><b>Carmagen Engineering specializes in these areas of project management practice:</b></p>	<ul style="list-style-type: none"> <li>• Planning for overall project execution</li> <li>• Validating cost estimates and control tools</li> <li>• Ensuring constructability of the facility</li> <li>• Providing contracting services</li> <li>• Supporting project procurement</li> <li>• Controlling the quality of design/engineering</li> <li>• Making Independent Project Reviews</li> <li>• Strengthening construction planning and safety</li> <li>• Assisting in plant completion and start-up</li> <li>• Staffing the Owner's Project Team</li> </ul>
<p><b>Planning for Overall Project Execution:</b></p>	<ul style="list-style-type: none"> <li>• Evaluation of project execution strategies, assessment of risks, and development of approaches to minimize adverse risks</li> <li>• Front end engineering, including testing of design bases</li> <li>• Development of critical issues associated with the project</li> <li>• Developing staffing plans for all project phases and work locations</li> </ul>
<p><b>Validating Cost Estimates and Control Tools:</b></p>	<ul style="list-style-type: none"> <li>• Objective and detailed appraisal of capital cost estimates for methodology and completeness</li> <li>• Scoping and assessment of project cost control organization and systems for responsiveness</li> </ul>
<p><b>Ensuring Constructability of the Facility:</b></p>	<ul style="list-style-type: none"> <li>• Develop and apply a structure program to apply comprehensive construction knowledge and experience from design development through construction</li> </ul>
<p><b>Providing Contracting Services:</b></p>	<ul style="list-style-type: none"> <li>• Development of contracting strategies for the overall project and each major job, with appropriate commercial approaches for each anticipated contract</li> <li>• Assistance for owner's legal and project functions in preparing bid documents to get targeted results</li> <li>• Assistance with screening of potential bidders, identification of qualified bidders, and determination of a bidding slate for each job</li> <li>• Assistance with planning for and administration of the bidding process, review of proposals, and preparation of an award recommendation for each contract</li> </ul>

<p><b>Supporting Project Procurement:</b></p>	<ul style="list-style-type: none"> <li>• Definition and documentation of responsibility splits and interfaces between the Owner and contractor(s)</li> <li>• Identification of procurement items critical to project schedule, quality, and/or cost</li> <li>• Development of a comprehensive purchasing plan, including expediting, shop inspection, and related activities as well as cost-effective procurement of low-value items</li> <li>• Development of a logistics plan appropriate to project size, complexity, and location, including packing and shipping, export/import considerations, receiving and temporary storage</li> </ul>
<p><b>Controlling and Quality of Engineering Design:</b></p>	<ul style="list-style-type: none"> <li>• As an extension of the Owner's Project Team, conduct a program for selective, detailed review of engineering design for mechanical, machinery, fired equipment, instrumentation, safety, electrical, and civil engineering aspects of the facility</li> </ul>
<p><b>Making Independent Project Reviews:</b></p>	<ul style="list-style-type: none"> <li>• Conduct planned, in-depth, quick-response appraisals of project performance at key milestones to give Owner's management an unbiased picture of strengths and weaknesses of the project</li> </ul>
<p><b>Optimizing the Construction Process:</b></p>	<ul style="list-style-type: none"> <li>• Implement comprehensive planning of the entire construction process to provide basis for safe and effective worksite activities</li> <li>• Perform specialized Construction Safety Execution Planning to provide specific worksite safety programs in appropriate depth and breadth to meet Owner's safety goals</li> <li>• Provide specialized Mobile Crane/Lifting Safety Program including onsite training for crane operators, foremen, supervisors, and field engineers, as appropriate</li> </ul>
<p><b>Assisting in Plant Completion and Start-up:</b></p>	<ul style="list-style-type: none"> <li>• Plan for and assist implementation of required coordination among contractors and project team at interface between near-completion of construction and initial operation of facility, including such items as detailed identification of systems for turnover, documentation of pre-startup checkout requirements, delineation of procedures for punch lists, turnover statements, records management, and close-out/acceptance</li> </ul>
<p><b>Staffing the Owner's Project Team:</b></p>	<ul style="list-style-type: none"> <li>• Filling Project Manager and other PM Team leadership positions</li> <li>• Filling PM Team gaps to meet functional or time requirements</li> <li>• Fielding a completion PM Team</li> </ul>



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