



An international energy company is searching for an engineering consultant to offer solutions that can help them reduce costs and increase profitability.

Here's the answer.

Time and Money

It takes time and money to maintain profitability in the process industry. Carmagen Engineering, Inc. cannot change that. However, it does not need to cost millions of dollars in consulting fees or take months of effort to identify significant opportunities to increase profitability or reduce operating or maintenance costs. It takes working with a company that has the experienced engineers to help you achieve your goals with the least possible cost. A company whose engineers have worldwide experience with well-respected companies in the industry and who have done this before. A company that is more interested in developing a long-term working relationship with its clients rather than achieving short-term financial gains.

**A company whose only business is engineering consulting.
That's us – Carmagen Engineering.**

Experience Counts

Following are several examples of work our engineers have done:

-  Led refinery profit-improvement, operations, and planning studies lasting 2-3 weeks each that resulted in potential annual increased profitability of several million dollars with minimal capital investment.
-  Acted as an independent, third party in performing process technology assessments, such as that needed for producing low sulfur fuels.
-  Managed development and implementation of residual upgrading technology (e.g., delayed coking) and provided technical support for residual processing plants worldwide.
-  Assisted in all aspects of technology licensing including licensor contacts, technology assessments, process license and guarantee agreements, and technology support requirements.
-  Led fired equipment energy management and operations assessments that identified multi-million dollar annual savings.

All the right people in all the right places.™

CARMAGEN
Engineering, Inc.



- 🏗️ Developed plans for improved heat integration and operations improvements considering variability of feed and product requirements.
- 🏗️ Turnaround planning reviews. In a 2-week effort, acted as facilitator for a turnaround planning task group that resulted in saving over \$12 million.
- 🏗️ Performed Fitness-for-Service evaluations of existing equipment.
- 🏗️ Developed company Best Practices in the areas of project planning and execution, reliability and maintenance, startup and turnaround planning and execution, energy management, and operations improvements.

Nearly all of our senior engineers came to Carmagen Engineering, Inc. with over 30 years experience working for Exxon or Mobil – *they know their way around*. Carmagen Engineering, Inc. has over 180 engineers available with a variety of expertise – we are comparable to the central engineering organization of a major process company.

That expertise is available to you and your staff on an as-needed basis.

All the right people in all the right places.™

CARMAGEN
Engineering, Inc.

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