

## INTERNATIONAL QUALIFICATIONS

PT&C has applied its cost engineering skills to capital construction projects located in over a dozen countries in Europe; Central and South America; the Middle East; and in Asia. Project types have ranged from defense related facilities to mixed-use commercial high-rise developments to embassy complexes. Financing for these projects has come from private sector entities, national governments and the U.S. Government.

PT&C's approach to conducting cost engineering studies in non-U.S. markets is three-fold. It includes the *market study*, the *cost engineering technical study* and the *financial and construction/operational risk analysis*.

### Market Study

PT&C first conducts a market study of the conditions at the project location. This may be accomplished by having a senior PT&C cost engineer visit the country in question and personally interview individuals with experience in the local market and research the local conditions that impact the cost of the labor, materials and equipment required for the project. PT&C has developed a rigorous and detailed format for conduct of this inquiry. PT&C's market study approach looks at both the local costs and the cultural, ethnic and religious conditions that affect the construction or operation of the finished project. The market study can be of significant importance when addressing projects in lesser-developed countries where availability of skilled labor and first quality materials may be limited. As an alternative, the market study can be conducted by telephone for some locations.

### Cost Engineering Technical Study

This next step is performed applying accepted professional methodologies while, at the same time, considering the impact of local customs and practices identified in the market study. An example of one of these customs is the practice in some Islamic countries of paid time off for prayer during the workday. Clearly, this practice would impact the cost of labor for the project. Occasionally, in lesser-developed countries, the design of the project may include technologies that differ from those used in more developed countries, but are appropriate to the location of the project. PT&C cost engineers recognize that these situations can and do occur.

### Financial and Construction/Operational Risk Analysis

The financial risk analysis communicates the risk to the project budget of a significant change in the valuation of the local currency when out-of-country procurements are involved. It also addresses the issue of inflation and its affect on the project budget. The construction/operational risk analysis addresses the likelihood or probability that a project will be completed at or under its budget, based on the level of definition of the project documents.

PT&C's technical staff is fully competent to undertake professional cost engineering studies and activities in the international, as well as in the U.S. domestic, markets.

PT&C's international project experience includes:

- Australia
- Bahamas
- Bermuda
- Canada
- China
- Diego Garcia
- Egypt
- England
- Germany
- Honduras
- India
- Iraq
- Kuwait
- Mexico
- Okinawa
- Panama
- Peru
- Portugal
- Qatar
- Saudi Arabia
- Singapore
- Spain
- Sudan
- Thailand
- Turkey
- Virgin Islands

