

Strategic Estimating Systems

Associate Estimator - Biography

CHARLES McGUIRE

Charles McGuire, Associate Cost Estimator of Strategic Estimating Systems (SES), delivers his expertise as best-in-class to the Chemical Process Industry (CPI). During his continued tenure at SES, Mr. McGuire's detail oriented approach to quantities, Material Take Off (MTO), and data entry has propelled him to work with such clients as JGC Corporation in Japan. His assignment was to assist in the Aspen Capital Cost Estimator (ACCE, formerly KBASE) software implementation and training. His ability to adapt to change in project scope, along with rapid comprehension, has allowed him to reciprocate his experiences and lead SES clients to achieve better cost estimating accuracy, develop a repeat process, be more consistent, be more efficient, and complete cost estimates faster.

During Phase I of the SES Implementation services program, Mr. McGuire has excelled in using the Applications Programming Interface (API) to rapidly input plant equipment, piping, instrumentation, material, capacities, work-breakdown-structures (plant areas), etc., to be mapped into the Aspen Capital Cost Estimator software. Using standard engineering deliverables in the Chemical Process Industry, such as plot plans, sized equipment lists, civil and steel drawing, buildings and elevation diagrams, P & ID's, etc., Mr. McGuire has used the SES Phase I estimating methodology to develop more consistency and improved efficiencies for capturing all cost components during the estimating work process at various different companies.

Mr. McGuire has used the estimating methods of the SES Phase I implementation program to establish both detailed (+/- 10%) and conceptual (+/- 40%) cost estimates on projects ranging up to \$10 Billion. He also has experience preparing cost estimate reports and defining contract structures for multiple engineering and construction contractors.

As part of the 'Associate Estimating Team' at SES, Mr. McGuire's responsibilities include ACCE project build-up, facilitate API data entry and transfer into ACCE for analysis, P&ID/PFP analysis, P&ID/PFP manual quantity take-off (piping & instrumentation), material take-off from civil and steel design drawings, review equipment designs and data sheets, critical analysis for the overall project using ACCE, generate cost estimating reports, compare cost estimating reports, develop custom reports using Microsoft Excel, prepare results and deliver final analysis, reports, and presentations to clients.

Mr. McGuire's direct experiences with clients while at SES include:

- **JGC Corporation**
- **ExxonMobil**
- **Dow Chemical**
- **Linde BOC**
- **Energie Beheer Nederland (EBN)**
- **Commonwealth**
- **Western Refining**
- **Scientific Design**
- **Enbridge**

Mr. McGuire has a Bachelor of Science degree in Civil Engineering from the University of Buffalo in New York.