

## FLATWORLD SOLUTIONS PROVIDED DYNAMIC COST CHECKING TO AN MEP CONTRACTOR USING CONSTRUCTION DRAWINGS



### Client Profile - Construction Engineering Firm

The client is based in the southeastern United States (Georgia) and was established in 2011. They provide construction engineering services for projects of all sizes involving both new and old buildings.

### Client Requirements and Challenges - Construction Cost Estimation

The client needed specialized support for estimating construction costs based on drawings. They required a minimum level of field experience (seven years) and a high level of combined expertise involving cost estimating and construction drawings.

The project involved two primary challenges -

- + Detailed understanding of local building codes
- + Preparing accurate cost estimates that reflected local costs

### The Solution by Flatworld Solutions

The Flatworld Solutions (FWS) construction engineering specialists developed this solution -

- + The team included an account manager and three engineers - one each from the three separate disciplines of mechanical, electrical and civil engineering. The team also had previous construction cost estimating experience
- + The FWS team integrated multiple methods and technologies to develop accurate cost estimates that were based on local construction costs and local building regulations. DIALux software was used to improve lighting calculations, and Carrier Hourly Analysis Program (HAP) software was incorporated for HVAC system costs
- + As required, the team conducted detailed cost research to further support the accuracy of local construction equipment costs used in final cost estimates
- + Bi-weekly meetings were held throughout the project to ensure full communication and understanding of details as well as to incorporate any needed changes in the scope of work
- + The construction cost estimation project was completed successfully - on time and according to client specifications and expectations

### The Result - Detailed Cost Estimates Reflecting Local Costs and Building Codes

This project illustrates a common recurring challenge in many construction projects - finding experienced construction cost specialists who are available on short notice and at cost-effective prices. An additional challenge for global construction professionals is to accurately estimate local construction costs that incorporate regional building standards. To successfully meet these challenges, Flatworld Solutions employs a customer-centric construction engineering approach that is customized to meet the specific requirements, scheduling needs and budgets of each client.

With two decades of international outsourcing experience, we have a multilingual team that works with ease in multiple languages - construction cost estimating projects can involve any preferred language.

Contact [Flatworld Solutions today](#) to discuss our customized cost estimation strategies.