



The EAFC objectives are to aide owners and contractors in the planning, development and execution of large scale, technology centric projects. EAFC provides custom, 1:1 consulting services to the Advanced Facilities (ATF) construction, and technology and manufacturing (T&M) sectors. Capabilities for solution development spans various sectors. The primary intention is to provide executive level management with augmented experience, additional skills sets and advisory services that are tailored to specific business, project and program issues and opportunities.

**Executive Consulting Solution Services:**

Plan and deliver from the beginning, through start up and scale out, inside and out. Expertise in factory build, manufacturing engineering and operations, organization, and business development from team to enterprise level, locally and globally.

- **ADVANCED FACILITIES CONCEPT AND PROGRAM DEVELOPMENT:**
  - Facility Master Planning, Construction Engineering
  - Owners Program Development - Design, Construction and Operations
  - Site and Facilities evaluation, Concept Development
  - Contractor evaluation and selection
  - Contract Negotiation and Management
  - EPC Industrial Facility Consulting
  - Program Risk Assessment and Mitigation

**EAFC**  
Ellington Advanced Facilities Consulting



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GREATER SOUTHWEST, U.S.A



## Technology at work for you

### PROJECTS OVER THE PAST FIVE YEARS

- New semiconductor and solar factory concept and construction planning
- DRAM Research and Development design and construction Project Executive
- Solar manufacturing facility cost model development
- Advanced Manufacturing facility site evaluation and selection
- Onshoring ATF facility, site planning and incentives analysis
- DRAM and Flash Memory factory model and cost estimating
- PV module competitive cost analysis and recommendations
- Advanced Facilities EPC M&A investor evaluation
- Next Generation advanced battery manufacturing factory concept design

#### TECHNOLOGY AND MANUFACTURING BASED BUSINESS DEVELOPMENT

- Industrial scale corporate and business development
- Business Analysis, Strategy, Planning, and Management
- Start-up, Scale-Up and Organizational Growth
- Supplier and stakeholder relationships – development/navigation
- Cost Reduction and Quality Improvement
- Organization and Culture Change Management

## Advanced Technology Facility Solutions

40 YEARS | EXPERTISE | ATF AND SEMICONDUCTOR INDUSTRY

#### CASE STUDY: PV Supply Chain Strategy

A leading utility scale PV solar power company required a long term supply chain strategy to establish supply agreements with major solar panel producers. The Client had a 3GW project pipeline and sought to reduce supply risk and stabilize costs. EAFC worked closely with the client to build various options with several world leading panel producers.

- EAFC established direct contact and negotiation paths with leading producers.
- EAFC developed competitive supply and pricing models.
- EAFC organized a 10 state evaluation across sites in the USA to aide suppliers in site selection and incentive negotiations.
- EAFC organized site and facility evaluations for major suppliers seeking to establish manufacturing operations in the United States.

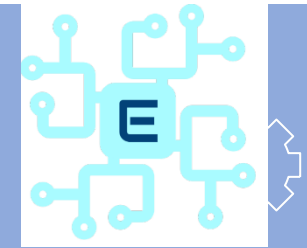
The Client was ultimately able to make decisions to insure a sufficient and reliable source of solar panels to meet tht business needs and project commitments.

#### CASE STUDY: Project Recovery

A large scale fab project at an international location was facing serious schedule delays and growing cost overrun risk. The dire situation required on-site, hands-on project leadership.

- The on-site project team was strengthened and additional key resources were located on-site.
- Expectations with contractors were clarified and carefully managed.
- The project execution structure and strategy was revised and revitalized.
- Subcontractor capabilities were reviewed and roles were optimized to improve the focus and execution.
- Regular, real-time status management with contractor management was employed to increase speed, effectiveness and problem solving.

In the end, the project schedule was stabilized and the project cost converged on the original estimate. Bringing the factory online added billions to the company's bottom line.



#### EXECUTIVE CONSULTING

EAFC provides senior executives with an individualised perspective, potential options, and recommended solution paths. The bigger the problems or challenges, the more vital the objectivity requirement. Get the extra set of hands, additional input, evidenced based recommendation you need..

#### PROJECT LIFECYCLE EXPERT

EAFC has been responsible for all phases of the project lifecycl from planning to turnover, and including high volume manufacturing, in over 20 ATF, waferfab and R&D facilities across the U.S.A. and internationally. This broad range of experience brings a unique perspective to the Client.

#### PROBLEM SOLVING SUCCESS

\$B Factory turnarround, 2000+ personnel merge and redeployment, new factory start ups, cutting edge process transfers...you name it, we can help you do it. Because we have done it.

