

# Bioenergy Projects

## Engineering Consulting Services

### Target Market / Customers

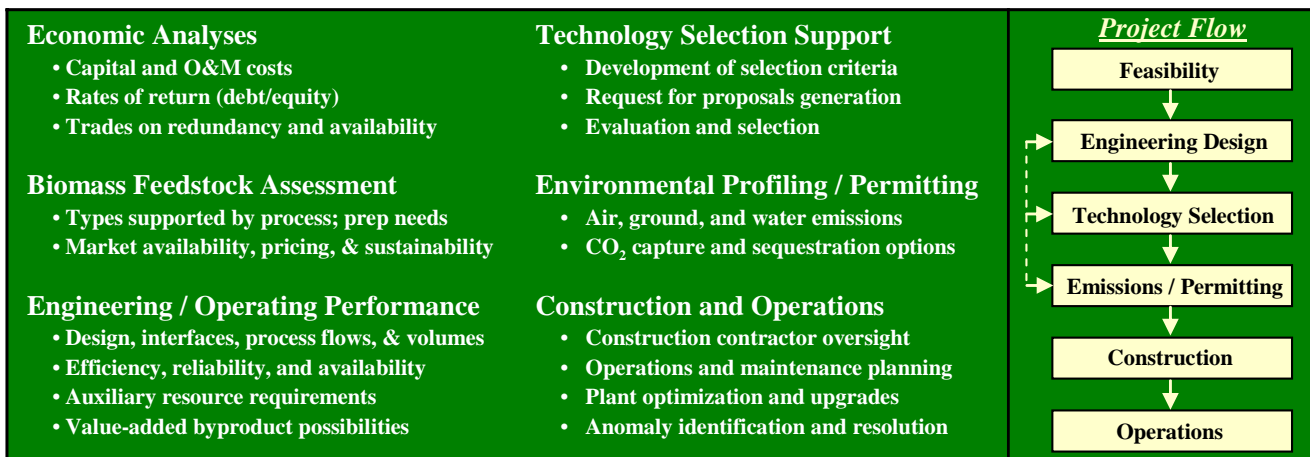
Hundreds of bioenergy projects are being proposed annually in the U.S. This competitive landscape, coupled with extreme market volatility, reinforces the need for rigorous technical and economic planning throughout a project's lifecycle. Numerous studies similar to the accompanying graphic have demonstrated the economic, schedule, and performance benefits gained through detailed planning and analyses. A wide variety of bioenergy projects could benefit, including:

- Biomass to:
  - Transportation fuels – ethanol, biodiesel, and other biofuels
  - Electricity, syngas, synthetic natural gas, hydrogen, and chemicals
- Conversion technologies such as:
  - Gasification, pyrolysis, combustion, anaerobic digestion, thermal-chemical, biotechnology-based, microwave, plasma, among others



### Diversified Energy Services

Diversified Energy Corporation specializes in providing accurate, experienced, and objective engineering and economic services to bioenergy projects. The company has supported numerous engagements and as a result has gained a reputation within the community as a respected and trusted expert. The corporation has developed its own modeling and analyses tools, economics databases, and has formed relationships with multiple strategic partners for niche technical expertise. As a result, Diversified Energy® can support projects involving a broad class of conversion technologies and a variety of energy outputs. Because Diversified Energy also develops its own technologies, customers can always be assured that real experts with practical market knowledge are supporting their projects. Typical projects begin by helping the developer determine the viability and attractiveness of a project. Engagements then typically evolve into engineering design, technology selection, emissions profiling and permitting, representation to the financial community, and construction. Lastly, Diversified Energy can support in creating a sound operations and maintenance plan for the project.



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