



FEASIBILITY STUDIES

Ingenicomm's feasibility studies provide analysis and evaluation of the programmatic and technical trade-offs associated with potential solutions to a defined problem or need. The evaluations range from simple technical comparisons between several proposed solutions, to comprehensive efforts to generate potential approaches to a broad problem. Ingenicomm's feasibility studies evaluate the costs and benefits of each potential approach and determine a path forward. The expert recommendations contained in these studies can be used to drive make-or-buy decisions, procurements, technical roadmaps, and system architectures.

Scenario Evaluation and Requirement Analysis

During the scenario evaluation and requirement analysis phase of a feasibility study, Ingenicomm examines current model and determines drawbacks, limitations, and benefits of pursuing change. Ingenicomm's analysts determine the top-level requirements for the program or product and identify the desired characteristics of potential solutions.

Feasibility Assessment and Technical Analysis

The feasibility assessment and technical analysis phase of a trade study entails identification and definition of various technically feasible alternatives for satisfying the previously identified program or product requirements. Ingenicomm's analysts examine the benefits and drawbacks of each potentially viable approach using a variety of methods. The analysis conducted during this phase encompasses comprehensive industry surveys to evaluate available commercial and non-commercial solutions.

Solution Evaluation and Ranking

During the solution evaluation and ranking phase of a feasibility study, Ingenicomm's analysts determine costs and benefits associated with each feasible alternative. Each potential approach is carefully evaluated for potential risk factors; Ingenicomm's analysts identify the specific technical and programmatic risks associated with each feasible alternative and recommend potential risk mitigation strategies.

Results and Recommendations

The results and recommendations phase of a feasibility study entails identification of the option or options most feasible for implementation based on the previously conducted evaluation and ranking. Ingenicomm's analysts produce a final trade study document that summarizes the key risks, costs, schedule, and benefits of the recommended approach.



Key Evaluation Factors

- Technical feasibility, including hardware and software factors
- Legal feasibility, including regulatory compliance
- Operational feasibility, including environment and cultural fit and business process synergy
- Economic feasibility, including budgetary projections
- Schedule feasibility, including lifecycle and operational readiness timelines