



ENGINEERING • PLANNING • ENVIRONMENTAL SCIENCES

Master Planning

Environmental and Preliminary Engineering

Procurement Documents and Services

Owner Representation During Design and Implementation

Program Management and Construction Oversight

O&M Reviews



Automated People Movers

Parametrix is a leader in Automated People Mover (APM) planning, design, procurement, manufacturing, implementation, and O&M. We bring a broad understanding of all aspects of APM projects, ranging from environmental planning and permitting, to systems engineering and supplier selection, and finally, operations and maintenance. Parametrix approaches each project with no preconceived ideas about what should be done. We work with each client to create a solution that fits the unique challenges of their situation. In addition, we offer unbiased supplier evaluations. The APM industry has been plagued by few suppliers and a perspective of one size fits all. We will work with you to determine the range of suppliers capable of providing a quality system that fits your project. Parametrix offers a wide variety of planning and design services. We can provide a single source of all services for your project, or integrate with your existing consultant teams as needed. Our solutions always meet our client's performance and budgetary requirements.

Project Examples

Clarian Health Partners APM System, Indianapolis, IN

Clarian Health Partners selected Parametrix staff to review the system implemented for compliance with ASCE Design Standards for the purpose of gaining acceptance by the City of Indianapolis to operate the system. Parametrix staff is providing engineering services to remedy some initial issues and to upgrade other systems. In addition, Parametrix staff will perform the first third-party review of operations and maintenance performance as prescribed by the soon to be released Part 4 of the ASCE APM Standards.

Lester B. Pearson International Airport APM System – Toronto, Ontario

Parametrix worked with the Greater Toronto Airport Authority (GTAA) in the design and procurement of an APM system. We performed ridership analysis, preliminary engineering, fixed facility interface definition, preparation of procurement documents, proposal evaluations and preferred bidder negotiations. Parametrix also assisted with supplier design reviews, construction observation, and witnessing system acceptance activities.

San Francisco Airport AirTrain Litigation Support – San Francisco, CA

Parametrix is supporting the client in the analysis of the failure that caused the collision of two automated trains during testing on August 4, 2002. Included in the analysis is the explanation of various testing that has been conducted, the adequacy of the fleet, evaluation of the cost to repair the vehicles, and an investigation of the cause of emergency stops.

Roosevelt Island Tramway – New York City, NY

Parametrix is providing operations and maintenance oversight services for the Roosevelt Island Operating Corporation. We have performed various analyses to determine the expected life of certain components and have overseen redesign. The Roosevelt Island Tramway was placed into service in 1975, providing a transit option from Roosevelt Island, in the East River, to Mid Town Manhattan. The tramway is a double reversible system with two 125-passenger cabins.

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