



## Access . Fall Protection . Confined Spaces

Airports . Bridges . Buildings . Dams . Mining . Plants . Facilities . Power Supply & Transmission . Shipping . Towers

### INTRODUCTION

Trusted by Clients since 2001, Rauch Safety & Engineering (RSE) is a global Advisory and Management firm that specializes in providing experience and technological skills to address project Safety Design, Engineering and Construction issues for Infrastructure Access, Fall Protection and Confined Space issues and challenges. Affiliates and strategic partners in USA, Europe, Middle East, and Asia allow RSE to have a unique global view, presence and offering.

RSE has delivered over 1000 successful projects for some of the most unique and challenging projects internationally.

### SERVICES

RSE is highly proficient in providing the following services in the areas of Infrastructure Access, Fall Protection and Confined Space:

- Infrastructure Designs & Engineering Advisory, Management and Oversight for Infrastructure Safety and Access Integration
- Structural/ Façade Access and Maintenance Units (BMU)
- Custom Access Equipment
- Auditing & Evaluation of Corporate Programs
- Construction Administration
- Risk Analysis
- Standby Rescue
- Training
- Infrastructure Access Observation Program (IAOP™)
- Structural/ Façade Access and Maintenance Project Retrofit
- \*Operating Procedures Outline Sheet (OPOS) & Plan of Service

RSE's advisory and management services begin at the early design phase and continue through to vendor selection, equipment turnover, commissioning, and training and if required, include unbiased and impartial mediation in the event of dispute.

### BENEFITS TO CLIENT

**Architects** – removes technical coordination for access issues from your core function thus allowing you to focus on softer design issues

**Engineers** – provides early, accurate information on systems to eliminate redesign

**Developers** - reduces duplication of effort and provides reduction in risk to change orders

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*Technical Assessment of Projects* – Guiding the owner, architect/engineer and design team in identifying the balance between infrastructure design and long-term safe access for maintenance.

*Project Complexity and Sustainability* - Guiding the owner, architect/engineer and design team in determining and identifying the most efficient and cost-effective access and equipment solutions and work flow process for the long-term consideration of the project, thus maximizing the return of investment (ROI) on the cost of the chosen equipment. Incorrect choices in design and equipment at the onset of a project can have significant negative financial impact such as retrofit costs, greatly increased maintenance costs and most importantly, the human cost when equipment fails or is misused. Sustainability can only be achieved if it is a planned part of the access and safety process during the early design phase of the project.

*Scheduling* - Proper planning and scheduling of building exterior or other infrastructure maintenance equipment provides the option for contractors to use this equipment during the construction phase thus allowing for cost effective and safe access to the infrastructure during construction.

*Project Performance* - Management and oversight of all consultants and equipment providers from concept, to delivery, to commissioning and turnover training to ensure that access strategy expectations are delivered.

\* *Productivity – OPOS & Plan of Service* – An OPOS is an official document which instructs workers performing window cleaning and other Exterior Building or Infrastructure maintenance (EBIM) work in several ways; specifies allowable procedures, equipment limitations, safety protocols, working hazards, emergency procedures, etc. The document includes user qualifications and is used as a training guide for access contractors. Maximize worker productivity by ensuring workers thoroughly understand safety, the equipment and implement the best work flow process.

*Detailed Emergency Action Plan/Plan of Service* - International Codes require a written Plan of Service for all access and exterior maintenance Operations. The document is to include additional items including suspended equipment procedures, identification of drop zones and hazardous work areas, safety protocols, methods of public protection, rescue of workers, emergency procedures etc. This important document serves several purposes, but the primary goal is to improve workplace safety thereby reducing liability to the project owner. Development of the Plan of Service by a firm which is independent from any maintenance contractor or equipment manufacturer will assure that the owner receives an unbiased document to last for the life of the system.

### **TO LEARN MORE ON HOW RAUCH SAFETY & ENGINEERING CAN BENEFIT YOUR PROJECT:**

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