

## INSPECTIONS

Our focus is not only on adopting new ideas and formats, but developing new trends designed to simplify, yet maximize results.

As standard practice, Solucore would dispatch a professional engineer to perform an elevator inspection. Our experienced staff will examine and evaluate the quality of maintenance and the condition of the elevator machine room, car top, cab, pit, hoistway and fixtures.

Since we are fully licensed, we do not require any assistance from the elevator contractor.

### Solucore performs many types of elevator inspections including:

- Maintenance inspections
- Technical audits and reviews
- Equipment condition surveys
- Accident investigations
- Due diligence inspections
- Construction acceptance inspections
- NYC & surrounding area inspections, third party witnessing for Category 1 & 5 inspections

We inspect elevator components as well as review the quality of adjustments with respect to industry standards. Some of the performance parameters and equipment that are measured include but are not limited to the following:

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Traction machines Isolation
Selectors Piping
Steppers Pump
Controllers Cathodic protection

Motors Wiring
Drive sheaves Fuses
Bearings(pedestal & end bell) Relays
Valves Overload
Governors Schematics

Generator

### Hoistways

Hoist ropes Travelling cables
Hoistway tape readers Compensating rope/
Hoistway equipment chain

Guides
Limit switches
Deflector sheave

Counterweights
CWT guide shoes
Landing tape
Landing vanes

# Car Tops

Door operators
Landing system
Inspection station
Stabilizers
Escape hatch
Hitch plate
Shackles
Infrared detector
Car guide shoes
Car top sheave

#### Pits

Pit buffers Compensating guides
Cylinders Limit switches
Compensating sheave Fascia
Pit switch Plank switch Piping
Load weighing Followers

### Cabs

Car fixtures Fan & door noise levels Door force Horizontal & vertical acceleration Operating times Ride quality Car speed Door open & close times Car & hall dwell times Central control panel Jerk rate Emergency alarm bell Levelling accuracy Communication equipment Anti-nuisance (where applicable) Door safety





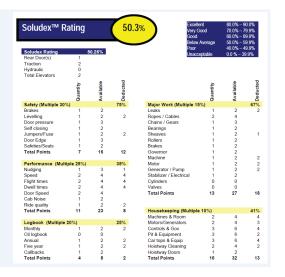
## **INSPECTIONS**

Solucore will inspect several safety features of your elevator system to ensure that passenger safety is not compromised.

At Solucore Elevator Solutions, we will also review your maintenance contract and records kept in the elevator machine room. We will ensure the adherence to section 12/J maintenance requirements of the CSA B44 elevator code effective since April 1, 1993.

### **Soludex Rating:**

We will include our Soludex rating for elevators and escalators in our reports. This rating system can help you evaluate the elevator maintenance in comparison to other buildings.



#### **Photo Reference:**

Our reports will include a photo reference in full colour. The photos can be used to independently verify the condition of the equipment, and the deficiencies noted in the reports.

### **Included Meeting:**

At Solucore we include a comprehensive meeting with our clients to discuss the reports, and a meeting with the contractor to discuss any issues that may be raised as a result of our inspection.

### Ride & Vibration Analysis:

In addition, we will inspect the elevators using the latest EVA-625 vibration analysis tool to identify worn or damaged gears, bearings and rollers. Our reports will also include a detailed section on ride quality, complete with easy to read graphs.

### Capital Expenditure Study:

Our reports will also identify capital expenditures required over the next five or ten years. These costs will be based on priorities and are for items that are obsolete.