

Providing Elevator and Escalator Solutions, Safety, and Peace of Mind. It's Our Core Strength.

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 & Reviews
- Equipment Condition Surveys
- Accident Investigations
- Due Diligence Inspections
- Construction Acceptance 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:

Machine Rooms

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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 | |

Pits

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

Hoistways

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|-----------------------|-------------------------|
| Hoist ropes | Travelling cables |
| Hoistway tape readers | Compensating rope/chain |
| Hoistway equipment | |
| Guides | |
| Limit switches | |
| Deflector sheave | |
| Counterweights | |
| CWT guide shoes | |
| Landing tape | |
| Landing vanes | |

Cabs

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|-------------------------|------------------------------------|
| Fan & door noise levels | Car fixtures |
| 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 |
| Door safety | Anti-nuisance (where applicable) |

Car Tops

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

