



Construction QA - Engineering Audit

Elevator shafts are critical structures that are evaluated from early construction stages for potential deviation detections. SCDS developed a methodology for accurate and inexpensive measurement of shaft's internal areas, which are inaccessible to traditional surveying. SCDS is recognized for leading-edge solutions for modeling, geometry creation and analysis of large structures.

Technological Features and Performances

- o Very fast collection
- o Accuracy within 0.08" and better, depending on the modeling approach, for a range varying from 5' to 700'
- o Non-Intrusive
- o Capturing the most complex and inaccessible geometry
- o Data collection does not interfere with the site activities

Efficient Solutions for:

- o Evaluating the consistency of the structural elements during the construction process
- o Verifications before installing the elevators
- o Interference checking, QA and Engineering Audit of sub-contractors
- o Producing plans and elevations
- o GIS Integration
- o Seismic Risk Quantification
- o FEA/Wind Analysis

Available Export Formats:

- o DXF/DWG, IGES, STEP, STL
- o ASCII: XYZ, TXT, PTS

SCDS Corp.

117-11131 rue Meighen,

Pierrefonds, (QC), Canada, H8Y3H7

(514) 421-2936 office, (514) 685-4924 fax

scdspro.com info@scdspro.com metadataX.com