HOISTING EXCELLENCE

INTEGRATED DELIVERY OF HOIST PLANT ENGINEERING AND ON-SITE SERVICES FOR UNDERGROUND MINES

Cementation
WE BUILD MINES. SAFELY.
Our areas of expertise in hoist plant design integration include:

• Drum, Blair multi-rope and friction (Koepe) hoists
• Surface or winze installations
• Hoist mechanicals and electricals integration
• Detailed hoist duty calculations
• Shaft layout optimizations
• Hoist limits and fleet angle layouts
• Conveyance arrestor designs
• Catenary rope vibration studies
• Shaft ventilation design
• Guiding systems (fixed or rope guided)
• Conveyances
• Sheaves (fixed and compensating)
• Ropes and attachments
• System peripherals
• Loading pockets

Our areas of expertise in hoist plant installation include:

• Complete mechanical and electrical installation:
  - Drum, Blair and friction hoists
  - Electrical drives and peripherals
  - Brake tubing
  - Major alignments
  - Low/medium voltage cable installations
  - Control wiring
• In depth QA document to include:
  - Schedules
  - Detailed procedures
  - Lift plans
  - Inspection and test plans
  - Installation documentation
• In-house surveys
• Commissioning support
• Engineer sign off on installation
• Issuing hoist plant ‘Permit to Operate’ by engineer

*Cover Photo - Cementation factory inspection of Hepburn hoist.
From first concept to the commissioning of a project’s hoist plant, Cementation’s multi-disciplinary Engineering and Assets Groups bring value at any stage of the project life cycle: hoist plant studies, detailed design, procurement of major capital equipment, project delivery, plant equipment installation, rope removals and installations, engineer’s review and issuance of permits, equipment inspections and assessments, plant maintenance training and plan development.
WORLD CLASS SERVICES
FOR PROJECTS OF ALL SIZES

We partner with Clients on projects of all sizes and complexity. Our Team is scalable to meet your project needs and with years of accumulated knowledge and experience, we have the expertise to design, construct and commission hoisting plants to perform without exception!